FACULTY CONDEMNS ROTC POLICY ON HOMOSEXUALS

Committee Formed to Examine Role of ROTC on MIT Campus

MAY RECOMMEND SEVERING TIES

(1712 TO GRADUATE AT COMMENCEMENT

(Continued on page 19)

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The faculty vote follows a letter sent in April by Provost John M. Deutch '51 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 for ending discrimination by ROTC. He said that he has talked with former secretaries of defense and congressmen about the issue, and learned 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

(Continued on page 22)

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NO DECISION ON NEW PRESIDENT

Search Committees May Choose Nominee by End of this Month

FEWER THAN TEN ON SHORT LIST

(Continued on page 21)

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 personnel 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 the Institute, who would be unavailable until January.

(Continued on page 21)

COD RULES ON SENIORS IN 1.00

Committee Chair Says to Expect "Familiar Faces" at Graduation

68 CASES YET TO BE RESOLVED

(Continued on page 21)

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.

The committee chair Sheila A. Widnall '61 refused to discuss the outcomes of the 16 cases, except to note that there would be a lot of "familiar faces" at Commencement and that the affair of 68 other students in 1.00 remained 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,

EECS WEIGHTS CHANGE 10-5 YEAR PROGRAM

Undergraduates Would Receive SM Under Plan

(Continued on page 21)

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 '49 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)

INSIDE

Former professor's tenure dispute to go to trial. Page 2

Cambridge Police issue annual report on MIT crime. Page 2

Student accused of stealing magazine subscription. Page 2

NSF director says universities face major problems. Page 2

Technique '90 offers absorbing glimpse of MIT life. Page 15

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

Noble, in a letter to the chairman of the MIT Corporation, David S. Sand, on April 1, explained that he undertook the tenure suit because "the strict confidentiality of MIT's tenure proceedings and the lack of any meaningful institutional review procedures, (led 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 expunged information 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 years 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)

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 losses of $69,214. 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 buildings. The number of thefts reported was 277 with a total value of $45,165. 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 foressees university problems

By Niraj S. Desai

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

Block 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, Block said, and universities have been at the center of the discovery process. Despite these signs of success, Block saw a mood of uncertainty and pessimism in academia. As a result, some of the federal support for research has been chilled. Moreover, a small number of very expensive projects are seen as draining money and personnel away from the rest of the research enterprise, Block said. Among such "big science" projects are the $1.5 billion Superconducting Super Collider, which is expected to cost $8 billion.

The total size of the federal (Please turn to page 22)
World

Summit ends without accords on Lithuania, Germany
President George Bush and Soviet President Mikhail G. Gorbachev met Thursday morning in Washington for the third day in a week's 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 and Gorbachev did not give any reassurances that he would end the economic sanctions against Lithuania. Gorbachev reaffirmed that the rights of Soviet republics are being extended, 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.

Polemical anger at the US growing
A Polemical leader sympathetic to the Polemical Liberation Organization said US interests in the Middle East may be at stake because American interests in the West Bank and Gaza Strip. The leader, Sari Nussel, said that those who have urged restraint are becoming increasingly isolated. He said the Polemical 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 Polemical leader in Egypt 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 Warsaw pact.

Fight ens in El Salvador: 100 die
There was intensified fighting for 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 army positions just west of the capital city of San Salvador were being expanded, and that any change must take place before becoming president.

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-truck elite guard.

Six US Navy ships carrying 2300 Marines are on the Liberian coast. President Bush 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.

Actor Rex Harrison dies
His colleagues say the death of Rex Harrison is "too bad for 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.

Researcher reports progress against muscular dystrophy
A muscular dystrophy researcher says a new procedure that helps a protein defect that causes the most common childhood form of the disease. Peter Law of the University of Minnesota at Minneapolis said his preliminary study involves injecting healthy muscle cells into young victims of Duchenne, MD. However, Law said, he cannot yet say how much improvement the treatment will be, or how long the benefits last. Law spoke Saturday to a Muscular Dystrophy Association meeting in Tuscon, AZ.

National

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 killing 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

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

Bellotti got 51.42 percent from the 4000 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 K. 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.

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 just 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 delay the space shuttle Columbia before it can begin the next big fuel leak. It is to happen on Wednesday — a week before the shuttle was supposed to lift off an astronomy mission.

Weather

Local

Science

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Weather

Shower shows possible during Commencement
The passage of a couple of cold fronts will trigger a few showers and thunderstorms in the area early tomorrow and again later tomorrow and afternoon. After the front moves on, cooler and drier weather will arrive.

Monday morning: Showers ending early, then partly to mostly sunny. High temperatures in the lower 70's (21-23°C). Clouding up toward noon with heavier showers and thunderstorms likely.

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

Tuesday: Mostly sunny, breezy and cooler. High around 73°F (23°C). A cool front drops in.


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
Annabelle Boyd
Ken Church
Nob J. Comzaminits
Linda D'Angelo
Jigna Desai
Saras Desai
Irene C. Kuo
Peter M. Liss
Genevieve C. Sparagna
Elizabeth Williams

Thanks for the hours of hard work you've put into The Tech — we will miss you!

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LETTERS TO THE EDITOR

Disinvestment would hurt South African blacks

I am writing in response to the numerous letters and articles in favor of MIT divestment from South Africa. I wish to present the opposite side of the argument. The Coalition Against Apartheid is either uninformed or selectively chooses to ignore significant advances that are being made.

The CAA is calling for MIT to withdraw holdings in companies which do business in South Africa. This would presumably 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 disinvestment does attempt to 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 divestment of the affected companies. Ignoring, for the moment, the effects on the US and world economy, what would happen is South Africa? Unfortunately, the black population would be hardest hit. They would lose employment that offers them integrated facilities, equal pay for equal work, extensive training programs, housing so close that they can walk to their South African counterparts. Unlike America, 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 social programs that benefit the entire black community. The Commonwealth was one of the first tangible signs of commitment.

It was established and built by the American Chamber of Commerce in six years and has also provided blacks with an education comparable to that received by the whites. It is a private school where 90 percent of the students are supported by American companies who pay part or all of their tuition.

The headmaster, Rex Pennington, concides "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, American companies, this is what they are beginning to do. While an enthusiastic reaction by most South African companies, employees of American corporations are being promoted to positions in which they supervise white workers.

The value of employment by American companies to the black population is apparent. Although 12 corporations employ only one percent of the black population, this one percent offers a company a positive stimulus for the other 99 percent of the black population. Americans 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 in the disinvestment clash with Man- dek,) April 10, 1989. They charge President P. W. Botha with falsely claiming to know what is best for our black South African brothers and leaders of the Inkatha, a one-party state, led by Chief Gatsha Buthelezi, who is also leader of the Zulu "Incupula's," April 101. They state that the Zula Chief is a business man ["No more twinkies: Gray in the disinvestment], the "Immorality Act," of which I am sure you have heard, is being used by the government to sack blacks, it falsely claiming to know what is best for them. The American Community has, on the contrary, been working to help blacks achieve equality.

In fact, polls have indicated that 70 percent or more of South African blacks oppose divestment. Although Nelson Mandela of the African National Congress supports divestment, he is not one of the other prominent black leaders strongly opposed to it. Mandela is strongly against the present isolation policy. He states, "[The black] community recognizes disinvestment as a moral and economic weapon against the South African government. After all, we blacks are responsible for the maintenance of the government and we have the right to say what is going to happen."

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 disinvestment justified the statement that the "immorality Act" of which I am sure you have heard, is being used by the government to sack blacks, it falsely claiming to know what is best for them. The American Community has, on the contrary, been working to help blacks achieve equality.

I have also been disappointed to hear that the disinvestment movement against Gray and others by many divestment supporters. Not only are they reluctant to listen to opposition views, but they try to make their points through channels which are often offensive to those against them. By refusing to listen to them, please treat me and others with similar views with the respect we deserve.

I find myself frustrated and discouraged because I am restricted from joining the CAA because I do not support divestment. The limitations placed by the SAAC on the support of divestment is synonomous with SIPTAS staff and students who are working to help the blacks in their struggle for equality.

Sharette Day '91
LETTERS TO THE EDITOR

Institute group attempts to provide sufficient maps to reduce confusion

Mary L. Merrinny, director of the Information Center, asked me to respond to Gwen Freed's letter regarding campus maps ("More maps necessary to guide through MIT campus,"); 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 Freed referenced in her note. Freed's description of the problem was certainly consistent, both in perception and in fact, with the frustrations which we faced 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 in 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 Freed 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 Freed 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 call me.

Stephen D. Immelman
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 case in point. Electorate subdivisions may be mailed to oath/gatherers, and must contain the individuals' full names, phone number, address and MIT affiliation (if any).

Letters policy

The Tech welcomes letters from its readers. All letters are subject to editing and are published solely at the editor's discretion. Authors must sign their letters and include their phone number, and MIT affiliation, if any, for verification, and should type letters doublespaced for ease of reading. Letters should be kept under 200 words. The Tech publishes letters anonymously only in rare circumstances, at the editors' discretion. Bring an extra copy of the letter on the fourth floor of the MIT Student Center or send them to: Letters to the Editor, The Tech, Post Office Box 29, MIT Branch, Cambridge, MA 02139; or to Room W20-403 by intercommunication to a mall. Electronically submitted letters may be mailed to tech@gather, and must contain the author's full name, phone number, address and MIT affiliation (if any).

Let's talk about abortion

Evelyn Murphy: abortion decision should be private

This letter is in response to Douglas Gaile's letter to the editor characterizing my position on choice ("Evelyn Murphy: Gaile's absolutist abortion stand is untenable,"); March 9].

I would like to apologize for any problems or misunderstandings Gaile 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 interprets a pregnancy in the third trimester, it is to protect the life of the mother. The procedure used takes measures 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 inaccuracies.

Evelyn Murphy
Lieutenant Governor
Congratulations Graduates!

MIT
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NEW YORK

Welcome to the
Alumni/ae Association
and all its activities...

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Programs

Young Alumni
Programs

BAMIT
BLACK ALUMNI OF MIT

MIT CLUB
OF BOSTON

Reunions

MIT CLUB
OF SOUTHERN CALIFORNIA

Parents
Programs

Student
Programs

MIT CLUB
of Northern California

Chinese Alumni/ae of Massachusetts Institute of Technology

THE M.I.T. CLUB OF CHICAGO

Latino Association of MIT Alumni/ae (Lamita)

And so much more...
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**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 questioned in various parties. However, there seems to be a consistent lack of substance on the anti-divestment stance. In your career; tomorrow you may undertake. 

First, there are those who readily admit that their major concern is the potential economic risk of divestment for MIT. These people need to evaluate how much money MIT has invested in firms doing business in South Africa. It is not clear to what extent 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 risk of such a statement far outweighed the lesser financial loss.

Nevertheless, the most interesting aspect of divestment which has come to my attention allegedly arises from a concern for the rights of the oppressed majority of South Africans. Gray has told us that morality requires consistency. I submit that morality demands action — and not just our words. If Gray truly believes that divestment by important stakeholders does not affect a company's decision to leave South Africa, then why does he ask for continued investment, even in companies which have a low rating on the anti-apartheid principles?

The pledge distributed here commits MIT, as the Coalition Against Apartheid, not to invest in companies in South Africa by not investing in them, why Gray not push for MIT to take advantage of the high profit margin, and which 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.

There is a single person at MIT who feels that the logic of divestment is fundamentally flawed, have we not seen a single sheet of paper 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 set. 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 whatever action is deemed necessary to ensure that MIT never divest.

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 the 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. Those who wage a daily, often fatal, battle against a system which shames us all.

Mountaga Awa '90

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**Pledge encourages socially responsible careers**

We've received your degree; so what now? Today you have reached an important milestone in your career; tomorrow you may undertake. The pledge distributed here is committing herself to help advance the educational process, and to take place not just at the conclusion of the educational process, but rather throughout it. Howev- er, the establishment of the coalition is dependent and based on serious thought and discussion about the nature of professional responsibility.

The second goal, closely linked to the first, is to achieve a level of commitment by graduates to make responsible action an integral part of professional lives. One who chooses to sign the pledge is, in effect, committing herself wholeheartedly to a continuous and rigorous examination of her professional responsibilities. Moreover, she is also pledging to the coalition as a guide in her decision-making. It is important to note that the pledge does not seek to engage in some fixed set of rules. On the contrary, the pledge requires each person to make her own decision 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 such societal responsibilities. In addition, the pledge is private; only the person signing it 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 emptiness; no checking the individual's judgment against that of some fixed standard.

By signing a pledge which embodies the abhorrence 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 actions. 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.

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**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 chal- lenge." Clearly the resolution is referring to Barco's efforts against drug traffickers. However, impartial human rights organ- izations such as Amnesty International and American 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. According to the reports I have heard, Barco has not publicly acted or spoken against political killings carried out by the security forces. Although I would be very surprised 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 face the real problems of pov- erty and injustice afflicting Colombia.

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 na- tion'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.

Richard Koch '89

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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 reso- lution saluting Barco's "courageous leadership of Colombia during a time of formidable chal- lenge." Clearly the resolution is referring to Barco's efforts against drug traffickers. However, impartial human rights orga- nizations such as Amnesty International and American 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. According to the reports I have heard, Barco has not publicly acted or spoken against political killings carried out by the security forces. Although I would be very surprised 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 face the real problems of pov- erty and injustice afflicting Colombia.

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 na- 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.

Richard Koch '89
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MIT wrongly claims to support undergraduate education

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 everyone member of the faculty and administration.

Although Associate Professor Jeremy M. Wolfe PhD '81's tenure denial surprised 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 three years at MIT. However, it is my experience, as well as that of most of my classmates, that our tuition is being raised at outrageous rates to employ professors given tenure on the basis of research. Our tuition was recently raised to $1100 tuition increase was necessary for providing competitive salaries to professors given tenure on the basis of research. It does not seem fair that I have to pay the people it takes to employ. 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 the 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 ability to provide a high level of competence in the classroom. Any college owes its existence to its ability to provide. We feel that AEPi acted in such a manner with regards to the same religious or ethnic background. 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.

Lawrence P. Lubowski '92
President, Delta Pi Fraternity

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Letters to the Editor

Only AEPi deserves condemnation

I am concerned that members of the MIT community may misinterpret the action taken by the former members of the Mu Tau chapter of Alpha Epsilon Pi to revoke the AEPi national organization as anti-Semitic. After meeting with Neal H. Dorow, advisor to fraternities and living groups, and Rabbi Daniel Shevitz, director of the MIT Hillel Foundation, I feel that it is necessary to clarify the present situation.

The former brothers of the Mu Tau chapter recognize the right of any organization to choose the people who are to embody its ideals. There is nothing wrong with a group of Jewish men, or people of any religion or ethnic group, desiring a social environment which consists of other people with a similar background. However, it is discriminatory when a group deems, or in our case, revoke's 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 recognition 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.

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President, Delta Pi Fraternity

Opinion

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Lawrence P. Lubowski '92
President, Delta Pi Fraternity
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THE LADY FROM MAXIM'S

Written by Georges Feydeau.

Starring Greg Mullavey, Lynnda Ferguson, Jo de Winter, and Humbert Allen Astredo.

As the Boston University Theatre, through September 23 at the Boston Museum of Science.

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

“T is the worst meeting of all...”

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 Grœle (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 curvaceous blonde with "a hard shell and lovely pink center." She swells 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 Montjocourt, 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 audience.

The Lady from Maxim's is full of meetings between guilty or unsuspecting husbands and their suspicious wives, and exposing their secret lives to the public eye.

It is a commentary on the idea that no one is immune to temptation, and that the most unexpected people can be the most susceptible.

The Lady from Maxim's is a farcical play, written by Georges Feydeau. It is set in Paris, France, and is full of meetings between guilty or unsuspecting husbands and their suspicious wives, and exposing their secret lives to the public eye.
**Technique potpourri captures memories of past year**

**By MARK ROBERTS**

A pulation 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 on campus.

It is fun to play the game of spotting your friends looking impossibly neat and tidy, grinning glassily, in these parts of the campus, focusing on the unchanging aspects of MIT, almost as if the photographs were indeed more than simply fodder for a daily event. "I remember..." and "I was amused to see the MIT..." and "I was pleased to see the MIT..." and "I was surprised to see the MIT..." are phrases that appear so often in these pages that one can almost imagine a friend's face as he remarks, "I remember seeing..."

**CONTEMPORARY MUSIC**

**FRIDAY, JUNE 9**

The Boston Film/Video Foundation presents video works by Daniel Reeves at 8:30 at 280 Harvard Street, Boston. No admission charge. Telephone: (508) 339-3333.

**SATURDAY, JUNE 10**

The French Library at the Institute presents "Une Semaine de Bonté," by Marcel Pagnol, starring Jean Gabin and Danielle Darrieux, on video, on Monday, 6/11, at 7 pm, next to the French Library on June 9. Telephone: 536-1540.

**Monday Night Film and Video Series**

The Coolidge Corner Theater presents "In a Lonely Place," directed by Nicholas Ray, starring Humphrey Bogart and Gloria Grahame, on video, at 5:30 pm in an 18+ ages show at the Parthenon, 512 Commonwealth Avenue, Boston. Telephone: 254-2052.

**Tuesday Night Film and Video Series**


**Wednesday Night Film and Video Series**

The Steve Cohn Trio performs at 7:00 and 9:00 pm in Sanders Theater, Harvard University. Telephone: 451-1905.

**Thursday Night Film and Video Series**

The MIT Lecture Series Committee presents "Mon Oncle" (Atom Egoyan) at 7 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Telephone: 492-9545.

**Friday Night Film and Video Series**

**CONTemporary Music**

Asbury Park, "Bones" performed at 9:00, 56 Brattle Street, Cambridge. Telephone: 247-8309.

**Saturday Night Film and Video Series**

The French Library at the Institute presents "Les Mains Courantes," starring Jean Gabin, directed by Marcel Pagnol, on video at 7:00, next to the French Library on June 9. Telephone: 536-1540.

**DANCE**

**Monday, June 4**

Mon Oncle (1958) at the French Library on June 9.
On The Town
Compiled by Peter Dunn

CLASSICAL MUSIC

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

CLASSICAL MUSIC

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

FILM & VIDEO

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.
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 enough to be above average MIT nerds. (The only nerd way to the top, they could easily fit in with the average London’s Jack Rubies.)

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 with teeth, purple toupees, 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 with teeth, purple toupees, and rabid children.

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 “Buck an Angel,” “Purple Toupee,” 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.”

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’s lead singer Ian Wright’s guitar solos were uninspiring, but the Rubies seemed much more interested in the group’s horn section for the opening number, “Lie 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 Boodle,” and for “Where Your Eyes Don’t Go.”

The only problem with TMBG’s nerd stick 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 cheeky-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 accordion and Linnell to his accordion, and both sang to the pre-recorded backing tape. There were occasional moments when the tape was a little—most notably “Shoehorns with Teeth” and “Kim Me, Son of God.”

Despite their occasional moments when the tape was a little—most notably “Shoehorns with Teeth” and “Kim Me, Son of God.”

Still, for the larger part of the night, TMBG semi-hits “Ana Ng” and the current “Birdhouse in Your Soul.”

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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**MFF CAMPUS**

A Guild offer, "Escape From Modernity," which occupies the curatorial team, can be seen in the TV, radio, and print publishing, continue through July 29 in the Metropolitan Museum of Art. Hours are Tuesday-Friday 9-5 and Saturday-Sunday 12-4. Admission: $6 adults, $4 seniors and children, free to MIT students. Telephone: 253-4440.

**The Lady from Maxim's** by Joseph. Continue through July 8 at the Charles Fine Arts, 465 Huntington Avenue, Boston. Performances are Tuesday-Friday 7:30 and Saturday-Sunday 2:00. Tickets $15 general, $12 students and seniors and free to MIT students. Telephone: 450-7850.

**Les Miserables** continues through June 30 at the Shubert Theatre.

**Imperial Theater**

Dance Umbrella's Great Tap Reunion on Friday, June 8 at the Opera House.

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**On the Town**

**Ongoing Exhibits**

**ON CAMPUS**

From the Fine Arts to Tech: Holdings from the Cambridge Fine Arts, 465 Huntington Avenue, Boston. Performances are Thursday-Friday 8:00 and Saturday-Sunday 2:00. For advanced reservations, call 267-9300.

Richard Rosenbaum, Architect and Sculptor, continues through July 29 at the MIT Museum, 265 Massachusetts Avenue, Cambridge. Performances are Tuesday-Friday 7:30 and Saturday-Sunday 2:00. For advanced reservations, call 267-9300.

Mark Reynolds, a giant architectural space occupied by Earth and other objects organized on themes, continues through July 29 at the Museum of Science, 465 Huntington Avenue, Boston. Performances are Tuesday-Friday 7:30 and Saturday-Sunday 2:00. For advanced reservations, call 267-9300.

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Robbins reveals 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's newest novel, Skinny Legs and All, the reader enters a 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 earth could have thought of except Robbins. Just a simple gives an idea: "This is the room of the wellmother wallpaper. The tradition model you once thought a mere folk tale, a corny, obsolete, rural invention. . . . This is the room where Jemieland her eyelids with history's tragic glitter, where Delilah practiced for her betrothal's license, the room in which Salome dropped the seventh veil while dancing the dance of the seven veils."

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, cajoled, and just plain be humorous. For humor here is 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 usually liberal and green at a time when one is past 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 philosophic has much in the way of common sense.

Robbins uses magical realism, pure fantasy, romanticism, ancient myths, current events, anarchy, and lots of steamy sex to tell this story. It starts with Ellen Cherry and Boomer, newcomers who have married after Boomer drove from their hometown of Colonial Plaza, Va. to Seattle to propose to Ellen Cherry and present her to her campers in the shape of a roast turkey. Ellen Cherry is as 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 bomed 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 heap of cans). We also meet Ellen Cherry's uncle, the Reverend Buddy Winkler, a fundamentalist preacher who sees the failed Third Temple as a means to an apocalyptic end. And it isn't giving away too much to say 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 chorus. An extremist preacher and militant orthodox Jews plot against peace-minded politicians. Inarticulate welders become kings of the New York art scene. This books observes and celebrates life with a finely honed, ironically humorous style.

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)

fains 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 '90. 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 video-taping the proceedings, waiving their right to privacy, arguing that the MIT community should be able to view the proceedings, and brought in a videotaus 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 committee then argued that the committee had investigated the COD with power, and that this power should come a degree of scrutiny, but that also failed to win the COD over, Penn said. Widnall said later that the COD's rules do not provide for videotaping the proceedings.

Finally, said Penn, "the committee threatened to move the trial 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 videotaping.

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. Salos "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 committee might say 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 him for his political activity.

Penn was not surprised that he and Francis were not found innocent of the charges against them. "They had about as much chance of winning against me as they did changing the laws of physics, and they should have known that before they brought this case to trial," 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 that assault was "the sole issue."
Search process goes on

(Continued from page 1)
Milne acknowledged that there were external candidates "this time, as well as last time." He said, "the committees had their deadline for a new president to take office, and explained, "an outside candidate, we have to dis- and others."

"he or she is engaged from wherever he or she is before taking office."

Resumed search enters fifth week

This is the second time that the search committees have been asked to resume their search for a provost. Biology Professor Phillip A. Sharp was nominated for the position in early February. He initially accepted, but then re- Newstal's report acknowledged that "the great deal of weight is be- ing placed" on the idea that all of the material in the current core courses is relevant and necessary. The single most important thing we must do, therefore, is to review the basic core curriculum and collectively validate that crucial assumption," he added.

"The recommendation 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 CPFD mem- bers 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 fi- nance a fifth year of study. While most undergraduate students are paying for their own education, Gould said, "graduate students usually are paid for through a teaching assis- tanship, research assistantship or fellowship. The committee report suggested that fifth-year master's students be reclassified as "three terms as an RA or four terms as a TA prior to completion of the MS program," in order to make the funds available to more students.

The report describes the re- vived master's program as one which "would take the "equal value of one-half of term's effort" over a longer period. When written under the new sys- tem, would generally be shorter than they are now, though their quality would remain a major factor in a student's admission and redirection into the doctoral program. Staelin said that the MIT, graduate EECS program would "generally proceed directly to our PhD pro- grams," although "less advanced students" would have to complete a masters program either at MIT or another school.

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From now until June 4th we've got savings on IBM PS/2 systems. They'll let you breeze through your work and jump into spring! And the IBM Loan for Learning makes it even easier. Ask a sales consultant for details.
COD to hear 68 cases in fall

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

"We were actually very conservative in interpreting duplicate code," said Bloch, director 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, Bloch said, he did not split the possibility that two students could have individually submitted identical programs.

Students get zeros on problem sets

Approximately 30 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 zeros they had received for problem sets in which duplicate code appeared.

Wilson did not require these people to sit out exams. They sat for exams and received grades. Approximately 30 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 medically 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 problem sets. Wilson said. A student admitted 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.

"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.

Blokch: 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

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

While demand for technical workers is up, a recent survey of Fortune 500 companies 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 by the number of 18-year-olds in the United States is expected to decrease for the rest of the century, Bloch said.

Blokch believed one way to act against the problem was to increase the participation of women, blacks, Hispanics and Native Americans to 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," he said.

"We understand the need to intensify our 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 increased social pressure on universities and sparked concern about licenses 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 available for its students. MIT has limited the number of fellowships to those who bring their fellowships elsewhere because the NSF cost-of-education allowance does not cover full tuition. 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.

Blokch 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.

The Summer of the Sequels

- The Search for Spock, 10:30 am - 11:30 am - MIT Food Service

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Admission $1.50 (to all shows on the same night)

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The MIT Lecture Series Committee

The Weekend of June 8-9

Friday: Superman I, 7:00
Superman II, 9:45
Saturday: The Wrath of Khan, 8:15
The Search for Spock, 10:30
Saturday: The Voyage Home, 7:00
The Final Frontier, 9:15

All movies in 10-250

Admission $1.50 (to all shows on the same night)

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The Summer of the Sequels

(1.00 likely)

Wilson said that some changes to the 1.00 level 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 should 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.

The Summer of the Sequels

Weekend of June 15-16

Friday: Body Double, 7:00
Dressed to Kill, 9:15
Saturday: A Guy Named Joe, 8:00

Weekend of June 22-23

FILM SERIES

Friday: The Motion Picture, 6:00
Saturday: The Wrath of Khan, 8:15
The Search for Spock, 10:30
Saturday: The Voyage Home, 7:00
The Final Frontier, 9:15

All movies in 10-250

Admission $1.50 (to all shows on the same night)

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A wide selection of food shops all in one. Serving breakfast cooked to order, fresh pizza, hot and cold sandwiches, a 20-foot salad bar, traditional entrees, Mexican cuisine, and an abundant pasta selection.

7:30am - 6:30pm

Celebrate Commencement with an exceptional luncheon buffet at the Club. MIT Faculty Club Cards, VISA, and Mastercard accepted. Reservations Suggested - 253-7047

12pm - 2pm

Serving continental breakfast including coffee, juices, and baked goods.

7:30am - 10:30am
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. Bertges, who chaired Noble's tenure committee, 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 missed a negative assessment of Noble's work, was a member of Noble's tenure committee even though he had a personal involvement in the work being evaluated.
- Hallisey authorized the jury trial, during which the committees and assessments made by the individuals of the tenure committee will be fully entered into the public domain.
- Noble said he views the authorizations of the jury trial as a victory, noting that MIT had refused briefs, on April 23 and May 3, calling for "private hearings." Both of those briefs were declined by Hallisey in his decision.

Noble's charges included a summary of the 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 received 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 victory over 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 6.2 percent over 1988.

Suspicious persons 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 during when requested by members of the community initiated by an officer during the course of routine patrol activity," the report stated.

Of the 390 persons stopped last year, 220 were given trespass warnings. 25 were convicted of crimes, 12 were psychiatric cases, and 106 checked out okay.

Whites accounted for 12.1 percent (230) 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 1987, 59.4 percent of those stopped were white, 19 percent black, and 15 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.

The other serious 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 34 in 1988, and 31 in 1987. Glenavon last year expressed concern about the increase in harassment and annoyance 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 serious crimes against persons category were malicious destruction of property (37 cases), harassment (21), vandalism (19), disturbance (9), domestic disturbance (8), theft (15), sexual harassment (4), disorderly conduct (3), and indecent exposure (1).
Grades to hear Barco

(Continued from page 1)

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

Barco received a graduate degree in civil engineering from MIT in 1943, and pursued graduate studies to 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 Marshal Stephen W. Austin ’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, will lead the procession.

Gray will then deliver the commencement address. Following his speech, Undergraduate Student Council President Michael J. Weinstein ’56, president of the students will be announced in an alternating pattern as the degrees are handed out.

The Institute today will award 958 bachelor’s degrees, 107 master’s degrees, 23 engineering degrees, and 194 doctorates — a total of 1,817. Some students receive more than one degree. The degree recipients include 503 women.

Today’s Commencement is the last for Saxom, Gray and Deutch in their respective roles. It is time to plan to retire, Gray to succeed Saxom, 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

These 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 student dress in hooding the degree recipients.

At 11 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. Glueck SM ’63 (USN), who is deputy director for international negotiations for the Joint Chiefs of Staff. Msiecki will address the senior class gift to President Gray. Barco will then deliver the traditional charge to the graduates, and then deliver a valedictory address. The names of graduates will be announced in an alternating pattern as the degrees are handed out.

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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 3:13-second time.

That race put him second in the standings to eventual winner and last year's champ Kevin Luyt of Case Western Reserve. Singhose clung to the second place all during Day Two, competing with a heavily-bandaged leg. He finished the last decathlon event, the 1500 meters, dead last, in obvous 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 felt pain in his leg during the 100-meter relay trials. Scenndir, Dunzo, alternate Cotrell Moose '91 and Makatiani ran a respectable 3:15.18 to fin- ish second in their heat and quality for the relay finals.

The same four ran to a sev- enth-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 bun- dled leg. Running in fourth and feeling strong at the 300-meter point in the race, Makatiani started to accelerate, hoping to take the point in the race, Makatiani felt pain again, and entered the open 400-meter final the next day with a bun- dled leg. Running in fourth and feeling strong at the 300-meter point in the race, Makatiani started to accelerate, hoping to take the 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 said Kelly, thinking back to the plane ride, "We gave it our best, we never gave up."

And so has Gordon Kelly, for 28 years, been a good representa- tion. He has one full senior year left, and American-Puerto Rico. In 1990, he retired as assistant and head coach.

David Rothstein/The Tech

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

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

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

Kelly to end 28 years as track coach

(Continued from page 28)

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

"There's certain amount of dis- cipline that is expected 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 you like the team like 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.

"It's kind of funny that you're proud of these guys," said Kelly, thinking back to the plane ride. "The most im- portant things is that this is a good group of guys. They're good repre- sentatives of themselves.

But as Gordon Kelly, for 28 years, been a good representa- William E. Singhose '90 (second from right) at the start of the decathlon 100-meter dash. Singhose finished second.

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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, 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, the 100-yard butterfly NCAA Division III national champion, 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 6 1/2 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.

Maureen Fahey — Basketball

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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 4-5-1 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 (1:02.76) 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.
Track falters at championships

Injuries to key athletes hamper team’s efforts

By David Rothstein

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 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 muscles during the May 23-26 championship meet at North Central College’s Koltsbier 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 99 points, followed by the University of Wisconsin, Oshkosh (43), the University of Nebraska, Lincoln (42), and the University of Wisconsin, Madison (41).

William E. Singhose ’90 soars over the bar in the decathlon vault.

Injuries to key athletes

Senior standouts Bill Singhose and Boniface Makatiani suffered hamstring muscle strains during the May 23-26 championship meet at North Central College’s Koltsbier Field, where he earned a master’s degree in education.

He recruited Singhose and Makatiani to MIT, and they came to have higher expectations, so obviously it’s like to lose: “Athletes 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 seen on the other side when people were chauvinistic.”

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.

Kelly reflected on tenure

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