

MIT's  
Oldest and Largest  
Newspaper



## The Weather

Today: Increasing clouds, 56°F (13°C)  
Tonight: Cloudy, rainy, 45°F (7°C)  
Tomorrow: Partly cloudy, 54°F (12°C)  
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Volume 116, Number 56

Cambridge, Massachusetts 02139

Tuesday, November 5, 1996

## MIT Apathy Prevails This Political Season

By Zareena Hussain  
STAFF REPORTER

In preparation for today's national and local elections, several student groups have been campaigning, registering voters, and distributing campaign literature.

The emphasis for these groups this election season has been less on voting for a specific person or party and more on encouraging students to make an educated decision and vote.

But in spite of this year's important elections — both national and local — the overall presence of political activity on campus has been relatively low.

"We haven't done much on campus due to lack of manpower and lack of funding to attract membership. We had a poor turnout at our only general meeting this year," said William R. Schneider '98, MIT College Republicans secretary.

Another stumbling block for the Republicans has been President Clinton's commanding lead in the polls.

"Dole is hard to support given that he has such a slim chance of winning the election," Schneider said.

Voter interest has been low as well.

"We are trying to combat the apathy," said Monisha M. Merchant '99, co-president of the MIT College Democrats. "The average citizen doesn't see how [the election] affects their day-to-day lives."

Another reason for voter apathy has been the emphasis on local elections as a result of the seemingly inevitable victory for Clinton.

Most students at MIT are registered elsewhere and therefore will not vote in local elections, said Steve V. Jens '97, chairman of the College Republicans.

"I like Dole, but Dole's going to lose. He'll be crushed in Massachusetts," Jens said.

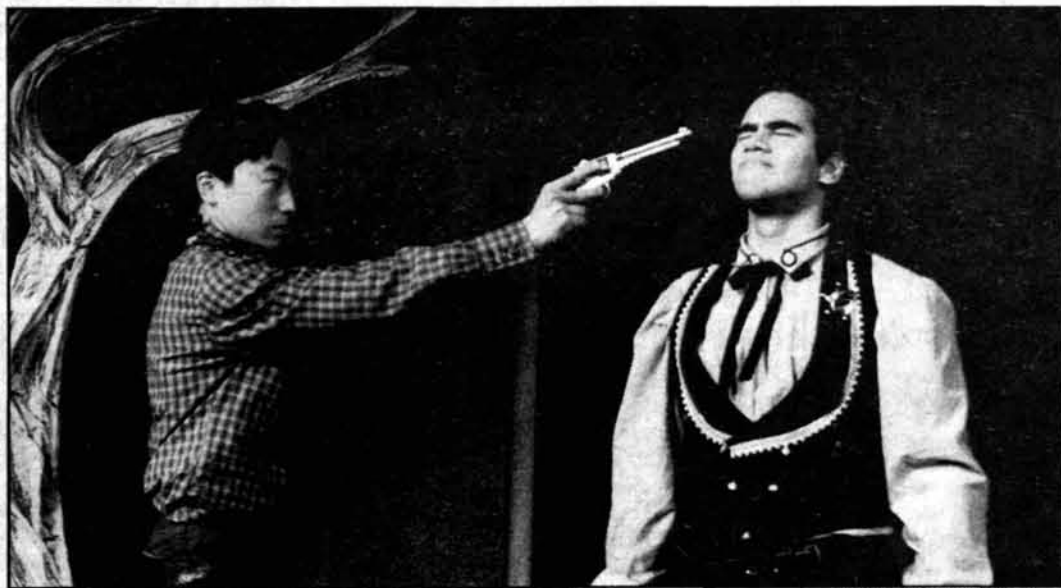
Libertarian Scott D. Schneider '00

took a different view as to why voter interest has been so low. "I think interest is low because people know there's no significant difference between Tweedlebill and Tweedlebob. One makes an empty tax cut promise and the other passes on that formality."

President Charles M. Vest offered his views on election issues and voting, although he would not say who he was voting for in any races.

"As citizens, we should each vote for those candidates which we believe present the best plan for a strong future," Vest said. "In assessing candidates, I would look for a

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Young E. Kim '98, playing Valentine in the Shakespeare Ensemble's production of *Two Gentlemen of Verona*, threatens to kill Proteus, played by Fernando L. Padilla '99.

ADRIANE CHAPMAN—THE TECH

## CEG Will Be Revived For Fall Term 1997

By Venkatesh Satish  
CONTRIBUTING EDITOR

After experiencing some trouble over the past year, the Course Evaluation Guide is being revived this semester so that reviews of this term's classes will be ready for fall 1997.

Last semester, the CEG did not collect course evaluation data, so there will not be a guide to help students choose classes for spring 1997.

In order to ensure that the guide would continue, leaders of the CEG, a committee of the Undergraduate Association, met with administrators last term to discuss the problems with putting out the guide.

As a result, two teams that will look into short-term and long-term solutions were formed, and classes will definitely be evaluated this fall, said UA President Richard Y. Lee '97.

"I don't think it will be that diffi-

cult [to put the guide together] because the positions will all be paid, and the work will take place during" Independent Activities Period, Lee said.

Three students have already agreed to take on the job of editing. Each one will be paid a stipend of \$1,000 to work through IAP, Lee said.

### Guide requires a lot of work

One of the problems the guide encountered in recent years is that "it became a burden on students, and the faculty weren't being cooperative," said Federico Bernal '97, former editor in chief of the CEG.

"The most time-consuming work would have been near the end of the semester, when the school work kicks in," Bernal said.

This burden will no longer be as much of a problem because there

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## Benjamin M. Hammond G

Benjamin M. Hammond G, a third-year graduate student in the joint Harvard-MIT Division of Health Sciences and Technology program, died on last Monday in his Boston home. He was 29.

It is clear that Hammond died of a heart attack, said Robert M. Randolph, senior associate dean for student affairs.

"It all happened very suddenly and unexpectedly," said Hammond's academic adviser Kenneth N. Stevens ScD '52, professor of electrical engineering and computer science. Hammond "was very bright, popular, very good academically and also in his research," Stevens said.

Born in Milwaukee, Hammond graduated from Harvard University in 1989 and worked for Kierkegaard and Associates, an acoustics consulting firm based in Chicago, for five years before entering graduate school.

At a memorial service held last Friday, family members and friends reminisced and remembered Hammond as an active contributor to the community.

Hammond was an active member of the speech and hearing division of HST, where he organized speakers for various events the department held, and did much of his research at the Massachusetts Eye and Ear Infirmary through the HST program.

A musician and a songwriter, Hammond was under contract with a record label in New York City and served as a teaching assistant in an acoustics class. In addition, he helped to design the new Seiji Ozawa Hall in Tanglewood.

"He was an outstanding student," Randolph said. "In fact, his department is considering renaming [a] lab in honor of Hammond."

Hammond had battled heart problems ever since he was a child.

He is survived by his parents, Michael P. and Anne L. Hammond, and a brother, Thomas M. Hammond of Bedford Hills, New York. A funeral Mass was held yesterday in New York. Hammond's burial will take place in Bedford Hills.

### Dean's Office Hosts Student Meetings

Today at 6 p.m. there will be an open house hosted by the Dean's Office on the first floor of the Religious Activities Center. The meeting is an opportunity for students to meet deans from the Dean's Office, ask them questions, and share their concerns about the Institute.

There will be a second meeting on Thursday at 5 p.m. in the Religious Activities Center for those interested in serving on the Dean's Office's student advisory council.

## INSIDE

■ Entrepreneurs prepare for this year's \$50K competition. *Page 6*

■ APO revives Spring Carnival to bring groups together. *Page 9*

■ Chairman of the Corporation Paul E. Gray reflects on MIT's endowment. *Page 25*



The acclaimed Boston Saxophone Quartet performed last Thursday as part of the MIT Chapel Concert Series.

RITA H. LIN—THE TECH

# WORLD & NATION

## U.S. Jet Fires Missiles At Iraqi Air-Defense Site

THE WASHINGTON POST

WASHINGTON

For the second time in three days, a U.S. F-16 jet fighter fired a missile at an Iraqi air defense site Monday after the site's radar appeared to be targeting the jet, the Pentagon said.

Reacting cautiously, Defense Secretary William J. Perry expressed some uncertainty about whether the jet really was threatened, acknowledging the possibility its detection equipment may have given a false reading. The Pentagon has been unable to substantiate a Saturday report by another F-16 pilot that radar from an Iraqi anti-aircraft battery had tracked his plane, prompting him to shoot a missile as well.

The Iraqi government has insisted its gunners have not been aiming at U.S. aircraft, which are enforcing a five-year-old ban on Iraqi military flights over southern Iraq. Baghdad's Foreign Ministry issued a statement yesterday labeling the U.S. reports of threatening action "baseless" and accusing the U.S. government of fabricating the accounts as "a means of election propaganda, American style."

Perry said he had no word yet on the damage, if any, caused by the U.S. missiles fired Saturday and Monday, adding that both episodes remain under investigation.

## California Judge Lets Fraud Suit Against Tobacco Firms Go Forward

LOS ANGELES TIMES

A Superior Court judge in California has permitted a massive fraud suit against the major tobacco companies and the Council for Tobacco Research to go forward.

Judge Robert E. May late last week rejected arguments from the defendants that the case should be thrown out of court. However, the case is not expected to go to trial until early 1998.

"This was a big win," said Patrick J. Coughlin, attorney for the plaintiff. "This case could be huge; all we have to do is prove they said one thing and did something else."

The suit alleges that the tobacco industry deceived the public starting as early as 1954 when it announced the creation of an independent research council to investigate the alleged dangers of smoking. The industry also vowed to disclose the council's findings.

The council's creation, made in the wake of media coverage of scientific studies that cigarette tar condensate caused fatal tumors in mice, was announced in advertisements in more than 400 newspapers around the country.

## Rumor Mill Spins Out Scenarios Of Yeltsin Heart Surgery

LOS ANGELES TIMES

MOSCOW

The conspiracy lovers' version holds that Russian President Boris N. Yeltsin's heart surgery has been delayed since September because what he really needs is a transplant and the search is on for a donor.

The pragmatists' assumption is that the bypass operation will be Thursday, the start of a three-day holiday during which Russian financial markets will be closed and invulnerable to the nail-biting that will follow the operation.

The cynics' expectation is that Yeltsin will go under the knife Tuesday, so that even this most closely watched heart operation in history would be overshadowed by the U.S. presidential election.

And the truly paranoid believe the surgery will never happen because the Kremlin leader died weeks ago or because he would be susceptible to sabotage by underpaid health workers.

In the absence of reliable information about when and how the leader of this nuclear-armed country will be operated on, wild stories and speculation about his date with destiny are rife throughout Russia.

Knee-jerk secrecy has taken over in the Kremlin as final preparations for the operation are under way. Despite a decade having passed since former Kremlin leader Mikhail S. Gorbachev inaugurated "glasnost," a policy of more openness with the people, no one in the know will discuss the president's operation.

## WEATHER

### Vox Populi

By Marek Zebrowski

STAFF METEOROLOGIST

Mild and mainly dry weather on Election Day should help in getting out the vote. A surface high pressure system centered over the Carolinas will slowly move eastward and weaken. This will allow for a weak cold front to drift across our area just as the polls close and stall to our south on Wednesday. Meanwhile, a broad area of clouds and rain in the middle part of the country will bide its time in getting here. As the flow becomes southwesterly by Thursday, our stalled front will lift northward, with inclement weather to follow. There are signs of more stormy weather for early in the weekend but for now relatively tranquil and tepid days are on offer.

**Election Day:** Early glimpses of sun will give way to clouds, increasing throughout the day. Light westerly breezes will turn to southeast by afternoon. High 56°F (13°C).

**Tonight:** Mostly cloudy with a chance of sprinkles. Watch out for flashes and crackle of celebration and cheer. Partygoers will expect lows near 45°F (7°C) and perhaps a touch of fog by the dawn's early light.

**Wednesday:** Calm and cloudy morning with some breaks in overcast by early afternoon. Weak seabreezes will keep highs near 54°F (12°C).

**Thursday outlook:** Increasing clouds in advance of a warm front. Turning milder late with showers advancing in from the west. Highs near 60°F (15°C), lows in the upper 40s (8-9°C).

## Candidates Spend Last Days Of Campaign On the Road

### Clinton Campaigns Heavily Throughout New England During Last Campaign Day

By John F. Harris

THE WASHINGTON POST

LEXINGTON, KY.

Bill Clinton Monday raced through the last of hundreds of days he has spent in a lifetime running for president, touching down in five states to offer a rapid-fire recitation of his reasons for re-election.

On the final day of the 1996 campaign Clinton turned at times toward history, comparing his mission to that of Abraham Lincoln and Theodore Roosevelt, and asserting: "At every point of great change in the history of this nation, someone has to step up and say, we're going to meet this challenge and we're going to go forward together, and when we do, we will be living closer to our ideals."

At other times he turned toward sarcasm, mocking Republican Robert J. Dole for two weeks ago saying the nation has its worst economy in 100 years, and last week saying it was the worst in 20 years. "He made a great speech for my re-election the other day," Clinton chortled, adding, "Who else do you know who could make up 80 years in two weeks?"

And at times the varied messages on this kaleidoscopic day were downright contradictory. In Bangor, Maine, very early Monday morning he said he ran for president because he was tired of "all that name-calling and liberal-this, conservative-that, Democrat, Republican," and that this election is "far more important than the political parties involved."

But, after three hours sleep in Manchester, N.H., Clinton made one of his most explicit appeals yet on behalf of his party. He called the "Democrats the party of the future," and warned people that "your vote is going to decide whether you return to the Congress a majority of people who have prepared to shut the government down unless we agree to dismantle the Medicaid program."

Clinton and the Republicans have both proposed slowing the rate of growth in Medicaid, but by different amounts. But such nuances weren't on the program Monday as Clinton repeatedly implored his supporters to "seize the day" in Tuesday's election.

Clinton's way of seizing the day is stretching it. After going to bed at 3 a.m., he was not set to end the campaign in Little Rock until 4 a.m. Tuesday. There were stops Monday in Cleveland and here, and more scheduled in Cedar Rapids, Iowa, and Sioux Falls, S.D.

All told, Clinton has had about seven hours of sleep over the previous 72 hours. Aides noted that, while Dole has drawn the publicity for his "marathon," Clinton has apparently had less downtime (Dole took a six-hour break Sunday). His voice was a bit croaked, his eyes a bit bleary, but Clinton was plainly enjoying himself.

Inevitably, there was a heavy element of nostalgia on this last tour, especially in Monday morning's stop in New Hampshire. This was the state that saved Clinton from political oblivion in the 1992 Democratic primary, when he was beset by allegations of extramarital affairs and draft-dodging. A second-place finish in the Granite State that year gave Clinton enough momentum to keep his campaign going.

Monday morning, Clinton had breakfast at Manchester's Merrimack Restaurant with a group of friends and volunteers from the 1992 campaign. Clinton's eyes welled up as he greeted Michael Morrison, a 20-year-old student with cerebral palsy. As a high-school student that year, Morrison organized youth for Clinton, event though he wasn't old enough to vote, and drove his electric wheelchair several miles down the highway to work the polls on election day.

"How's it going, buddy," Clinton said. "Good to see you."

The friends around the breakfast tables reminisced while Clinton roamed the room offering handshakes and bear hugs. Will Brown, a former Democratic national committee member from New Hampshire, recalled: "I figured when I first met him in 1978 that he had the makings of a president."

Across the table, Jan Paschal one upped that. "I believe he would be president in 1968," said Paschal, who knew Clinton in their hometown of Hot Springs, Ark, before she moved to New Hampshire.

Outside the restaurant, Clinton recalled in a rally that once in 1992 he promised New Hampshire residents that if they gave him a chance, "I would be with you until the last dog dies."

"Well, folks, there's a lot of life left in this old dog."

That was just one of several dog metaphors invoked by the Democratic ticket Monday, giving the day an odd, apparently unintended canine theme.

### Despite the Strain, Dole Presses Ahead Through Last Day Of Campaign Tour

By Blaine Harden

THE WASHINGTON POST

ALAMOGORDO, N.M.

With his campaign drawing to a fitful close and his voice eroding into an exhausted croak, Bob Dole pressed on into his fourth near-sleepless day of skittering around America, trying to revive his electoral fortunes by ceaseless movement and force of will.

The Republican nominee kept himself going by drinking "Throat Coat" medicinal tea, by making exceptionally short speeches and by trumpeting bits of good news, such as one aberrant weekend poll that found the election too close to call.

The point of his grueling "96-hour non-stop victory tour," Dole said, was to prove to voters "that we are dedicated, that we are committed. It is not a game."

The commitment has shown through. For instance, a smallish but high-spirited crowd turned up to applaud Dole in early morning darkness Monday outside a Phoenix diner. "He is a good man who has served his country well. It takes a tough man to do what he is doing," said Larry Manross, 52, vice-president of a Phoenix air-cargo company who admires Dole but says he is voting for President Clinton.

But also showing through is the physical toll that nearly three and half relentless days of barn-storming, speech-making and flesh-pressing have exacted on Dole, an exceptionally fit 73-year-old.

Besides naps on his campaign plane, Dole has had just one break, four hours or so on Sunday morning in a hotel room in La Jolla, California. He is rasping out his words now, his voice sometimes cracking like an adolescent.

In a speech Monday afternoon that Dole delivered in Houston, after being greeted by former President George Bush and his son Texas Gov. George W. Bush, the candidate spoke for less than 10 minutes and was barely audible.

On Sunday in Sacramento, at a midnight rally that was one of the best attended and most enthusiastic of the past four days, Dole asked Jack Kemp to give a long speech so that he could rest his voice.

Dole's press secretary tried to put a victorious spin on his candidate's speaking problems. "It's a good sign," said Nelson Warfield. "If anything we are stealing a page out of Bill Clinton's book. Remember, he went hoarse at the end of '92 and he won."

And when Dole's campaign plane "Citizenship" had a flat tire in Houston, Warfield called it a "good omen that Bob Dole outlasted the airplane. Nothing can stop the marathon man, not even a flat tire."

As for the one poll that Dole said showed an even race between himself and President Clinton, it did not hold up. A Reuters/Zogby poll which on the weekend had shown a race that was too close to call (given the margin of error) had changed by Monday to give Clinton a firm 7.3 point lead over Dole.

As Dole acknowledged Monday, with typically self-lacerating honesty, "I don't believe in the polls. But I'll tell you about the good ones."

In most of his stops, Dole has been giving five- or 10-minute speeches that stick to safe, traditional Republican turf. He endorses men in uniform, praises voluntary prayers and backs a constitutional amendment to protect the flag.

Only about once a day does he stoke up his anger and go after the Clinton administration in earnest. He did so here, saying that, given the number of investigations of allegedly improper behavior in the Clinton White House, "If you want a full-time president who won't be going to hearings or trials or anything else, Bob Dole is your choice."

*The point of his grueling "96-hour non-stop victory tour" was to prove to voters "that we are dedicated, that we are committed. It is not a game."*

—Bob Dole

# Pakistani President Drives Out Prime Minister and Parliament

By Kamran Khan  
THE WASHINGTON POST

KARACHI, PAKISTAN

Pakistani President Farooq Ahmed Khan Leghari dismissed Prime Minister Benazir Bhutto early Tuesday and dissolved the National Assembly in a decree he said was mandated by corruption, political violence, and financial mismanagement by Bhutto's government.

The president's action, though legal under Pakistan's constitution, was backed up by Pakistani army troops who surrounded Bhutto's house in the capital, Islamabad, as well as the parliament and radio and television stations in major cities. The country's airports were closed. Bhutto, 43, elected prime minister in 1993, was reported to be in her residence but not under formal detention.

The decree marked the second time that Bhutto has been dismissed

from the prime minister's office on charges of corruption and delivered a new blow to Pakistan's faltering democracy. Under relentless pressure from the military, no elected Pakistani prime minister has finished a full term in office, and Bhutto's predecessor, Nawaz Sharif, was forced to resign.

Leghari, who issued his decree at 1:45 a.m., called for new elections to be held Feb. 3. Senior official sources said that Malik Meraj Khalid, a founding member of Bhutto's Pakistan People's Party, would take over as acting prime minister later Tuesday.

Bhutto's dismissal came amid a bitter political struggle with the Supreme Court, which recently thwarted Bhutto's attempt to appoint political loyalists as judges by ruling that judicial appointments were the prerogative of the presi-

dent. Bhutto also was haunted by charges that she and her husband, Asif Ali Zardari, had collected bribes and kickbacks on government contracts and siphoned millions of dollars into foreign bank accounts and property holdings.

Well-placed officials said that in August this year the army had warned Leghari about growing unrest in its ranks and had provided the president with evidence about corruption involving Zardari. An informed official said Tuesday morning that Zardari and other senior officials of Bhutto's Pakistan People's Party have been barred from leaving the country.

Bhutto denied the charges against her and as recently as Sunday vowed to complete her five-year term, saying "we cannot imagine (Leghari) using his powers to dismiss the government."

# Texaco Execs Try to Save Face As Charges of Racist Plot Mount

By Thomas S. Mulligan  
LOS ANGELES TIMES

NEW YORK

Scandalized by a disclosure that executives apparently plotted to destroy evidence and reviled black workers, the chairman of Texaco sought Monday to confront what shaped up as a moral, legal, and public-relations nightmare for the venerable oil company, condemning the actions attributed to top officials and hiring outside lawyers to investigate.

The scandal, sparked by a secret tape recording of Texaco executives discussing a racial-discrimination lawsuit, reverberated outside Texaco as well. Critics who have assailed major corporations for racist and sexist behavior said the disclosures were a graphic confirmation of the worst suspicions often

harbored about corporate management — notably Texaco's.

Peter I. Bijur, Texaco chairman and chief executive, in a rare act of corporate contrition, addressed the company's 19,000 U.S. employees in a satellite broadcast Monday, declaring: "This alleged behavior violates our code of conduct, our core values and the law." He decried the "rank insensitivity" of the taped remarks, first disclosed by The New York Times on Monday, and declared himself "both ashamed and outraged that such a thing happened to our family."

Texaco, the United States' third-largest oil company, said an outside company has launched "an extensive independent investigation to determine whether these allegations are true." The oil company said it would discipline and possibly fire

employees found guilty of misconduct.

The explosive transcript of the August 1994 meeting — secretly taped by one of the Texaco executives present — was filed last week in federal court in Texaco's corporate home town of White Plains, N.Y., in connection with the lawsuit by black middle-managers who say their careers have been stalled by pervasive racial discrimination.

Robert W. Ulrich, Texaco's then-treasurer and the highest-ranking officer at the meeting, is heard on the tape exhorting subordinates to "purge the s--- out of these books," referring to records being sought by attorneys for plaintiffs in the case.

"I don't want to be caught up in a cover-up. I don't want to be my own Watergate," Ulrich said.

## Supreme Court Rejects Appeal On School Prayer

THE WASHINGTON POST

WASHINGTON

The Supreme Court Monday rejected an appeal by Mississippi officials seeking to allow student prayer in public schools, choosing once again to stand clear of the trench debate over prayer in the nation's classrooms.

The justices refused to revive a 1994 state law that would have allowed student-led prayer at all school events, a law that a lower court had found unconstitutional.

In their failed appeal, Mississippi officials had asserted that "in a public school climate characterized by a recent dramatic increase in teenagers' drug use... loss of moral values, lack of respect for authority... a court-sponsored message of hostility to student-initiated prayer and religious viewpoints is exactly the wrong message."

Since the Supreme Court first banned school prayer in 1962, the debate over religion in schools has been a constant in America, as those favoring prayer recitations battle with an equally determined group who believe public prayer has no place in the schools. Through the years, the high court has at times seemed more willing to allow religious activities in public schools, but it has never in 30 years reversed its ban on prayer and Bible readings.

In 1992, the court narrowly ruled unconstitutional a faculty-organized invocation and benediction at a junior high school graduation in Providence, R.I.

The statute in yesterday's case, *Moore vs. Ingrebretsen*, arose from state lawmakers' indignation over the temporary suspension of a Jackson, Miss., school principal who let students begin each school day with a prayer over the intercom.

## Lamb Burger, Not Hamburger, At New Delhi McDonald's

THE WASHINGTON POST

NEW DELHI, INDIA

Under the first golden arches hoisted in India, Ronald McDonald has made a deep bow to the Holy Cow.

No all-beef patties sizzle at the packed McDonald's restaurant that opened last month in upscale south Delhi. Ground lamb has been substituted in the "Maharaja Mac" and other "100% pure mutton" burgers, menu changes made to show respect for the Hindu majority's reverence for the cow.

The cultural correctness goes even further. The first no-beef McDonald's in the world also serves no pork — to avoid offending India's Muslim minority.

The capital's many vegetarians can choose between veggie burgers and "Vegetable McNuggets," all cooked by a separate staff of burger flippers who do not handle meat products, conforming to a Brahmanical sense of cleanliness. Egg-less mayonnaise is spread on vegetarian sandwiches.

Meatless fare has accounted for 30 percent of the rupees reaped since the Oct. 13 opening. McDonald's had mistakenly figured its Delhi market to be "predominantly vegetarian," according to a company background paper.

So far the Indianizing of the quintessential American fast food has gone down well with Delhi residents, judging from the heavy crowds.

## Graduate Student Council

Room 50-220 • x3-2195 • <http://www.mit.edu/activities/gsc>

**Keep in Touch!** Stay informed about GSC events! Add yourself to our mailing list by sending e-mail to [gsc-request@mit](mailto:gsc-request@mit). Questions? Ideas? Write to [gsc-admin@mit](mailto:gsc-admin@mit) or call x3-2195.

### Boston Symphony Orchestra

**Open Rehearsal**  
Nov. 6, 7:30 pm at Symphony Hall



### Grad Ring Days

Nov. 5 & 6, 12 - 5pm, Kendall Coop  
Order a Brass Rat in the MIT Coop at Kendall Square for a 35% discount (extra 5% over the Coop's regular prices). Look for info on the GSC web page.

### Career Fair Feedback

If you helped out with or attended the Career Fair on Nov. 1, we want to hear your suggestions for next year's fair. We will have a Career Fair wrap-up meeting (date TBA) to make notes for next year.

- Were there enough companies in your field? Can you suggest a few specific companies for us to contact next year?
- Did you like the format of the fair?
- Was there enough publicity?
- Would you like more pre-fair assistance (e.g., resume preparation)



### November General Council Meeting

Nov. 6 at 5:30 pm in Room 50-220

Come find out what the GSC is doing, and propose new projects that you would like to see addressed. We're here to serve the "common student," but only if we hear from you. Send mail to [gsc-request@mit.edu](mailto:gsc-request@mit.edu) to get a copy of the agenda.

**New Representatives:** This is the first meeting of your term of office, so be sure to stay for the short orientation meeting (6:30 to 7pm).

**Potential Representatives:** Several departments and living groups still have positions available. Pick up a petition at Room 50-220 or on the web page. All you need is 20 signatures.

### Three-Day Ski Trip to Smuggler's Notch

Dec. 13 - 15, Vermont

Winter in New England — you know what that means! Time to hit the slopes! Registration for GSC's ski trip starts Nov. 13, on a first-come-first serve basis. Cost: \$95 for three-day lift ticket and accommodations, \$59 for three day rental. Transportation is free.

See <http://www.mit.edu/activities/gsc/Committees/AC/Ski/ski.html> for more info.

### Upcoming Meetings

- Nov. 12 Housing and Community Affairs
- Nov. 13 Activities
- Nov. 14 Academic Projects and Policy

(Meetings are open to all grad students, at 5:30 pm in 50-220. Dinner is served.)

### Upcoming Events

- Nov. 15 Friday Social
- Nov. 23 Outlet Shopping in Kittery, ME

### GSC Needs a Logo!

We need a logo that represents grad students. Whether your idea is formal or fun, send it in by Dec. 1. The winner will be featured in the spring Graduate Student News and on our flyers, and get a prize!

- The design fits within 2" x 2" (but doesn't have to be square)
- The design is black-and-white, but may have a two-color option
- You are not required to include "Graduate Student Council"
- Multiple submissions welcome!

# OPINION

## Letters To The Editor



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## Clinton Endorsement Unjustified

The Tech's endorsement on Friday of Bill Clinton for president is one of the most pathetic demonstrations of support ever witnessed by this young adult. By lifting its collective foot and inserting it in its editorial mouth, The Tech has further strengthened my resolve to vote for Bob Dole. How you can acknowledge Clinton's now-legendary ethical shortcomings and validate your support of him by citing accomplishments effected in actuality by the GOP congress is beyond me. Take a long look at the dissent published on the very same page, and perhaps you all will see that your respectability has reached an all-time low, just like that of the American presidency.

Marc J. DeMille  
Senior Office Assistant,  
Student Financial Aid Office

## MIT Tether System Falls Short

I have two MIT degrees and am a dissertation away from a third. While this obliges me to a certain degree of pride in MIT, especially with respect to that school down the street, I am currently spending a semester as a full-

time Harvard student and have developed some first-hand knowledge with which to compare the two schools. I recently spent a week trying to get modem Internet access to each school. I can therefore state categorically that along this narrow criteria MIT loses. Badly. Here is the comparison.

#### Cost

MIT: There is a \$50 set up charge for MIT's PPP access system Tether and a \$12 per month use fee.

Harvard: It's free.

#### Support

MIT: Over the course of hours of analysis and experimentation during five days, the staff of the Microcomputer Center told me that my modem software needed to be updated, my modem ROM needed to be upgraded, my system software should be changed, my init string was incorrect, some of my extensions were incompatible, and that my computer (a PowerPC Macintosh) was "a problem." They were very patient, and within the confines of MIT's wretched system they did their best to help.

Harvard: No support was necessary. The Harvard software worked beautifully the first time I tried it — using my existing programs, my existing init string, my existing ROM, and my existing system software. I now have network access without changing a single aspect

of my system — through Harvard, with 10 minutes of mindless set up using their extremely well-organized guide. For free.

#### Performance

MIT: I gave up in desperation after more than 15 hours of needless effort. Maybe our system can ultimately be forced to work. Thankfully, I don't have to struggle with it anymore.

Harvard: The system works great.

#### Overall

The staff at the Microcomputer Center identified problems with every individual aspect of my system when in fact, Occam's razor provided the better answer: Tether is horrible.

Personally, I am offended by the idea of a university charging for the flow of information. Communication is at the core of academia, and it should be universally provided to the community as a piece of the infrastructure. Communication today means Internet: Two of my (Harvard) classes are Netscape dependent.

And lastly, the information should actually flow. Tether is an embarrassment. Someone needs to investigate why members of the MIT community are paying so much for so little while our friendly rivals down the street pay nothing for so much.

David H. Levy G

# Web Has Inverted Access to Information

Column by A. Arif Husain

OPINION EDITOR

The first presidential debate this election year has been noted as the only public political forum in history ever to close with the words: "dot org," as Bob Dole announced his campaign's World Wide Web address. Big deal. There are lots of words to end on.

The reason this fact has stayed in my mind is that to me it demonstrates a very different approach to how public figures and the media have begun to dispense information. Instead of the usual down-the-throat push, the recent trend has been, "I'll tell you where to find it — if you dare to look." And as the millions of Web surfers in this country can attest: We dare. Incidentally, Dole actually forgot to say the dot, but we know what he meant.

In early 1994, as a freshman, I can remember my roommate introducing me to a very new and unheard of phenomenon called the World Wide Web. In about an hour, I learned the dozen or so phrases that composed the HTML language — in which documents are written — and over the next few weeks I assembled a humble set of pages which I served from my dormitory computer. To me it was a novelty, and outside of a small group at MIT, and perhaps some in Switzerland, the acronym "HTTP" was as unknown as chitlins in Minnesota.

Back then we used a program called Mosaic, and there were only a few hundred, maybe a few thousand Web sites across the globe. To put things in perspective, the individual web servers of The Tech and of the Student Information Processing Board here at MIT, both of which were opened in 1993, I believe, were among the first hundred to go online in the world.

Since then, the Web has exploded. Just in the last two years, after stumbling across a new program called Netscape and then seeing it completely eradicate its predecessors and take over the market, we have seen the Web drastically change. The documents of

headlines, discussion in syndicated talk shows, and addresses as far as the eye can see.

Since then I've become more understanding about the whole situation. After landing a summer job or two based on Web findings, completing numerous research projects, and basically accepting that the needs of the many outweigh the needs of the few, I've come to terms with my Internet myopia. As it is, you the reader may well be in that position as a result of the Web (The Tech's server gets close to a 100,000 requests per day), which all in all can not be bad. The Web has been good to me, but like all good things, I take it in moderation.

With this new outlook, I've decided to take more advantage of the benefits of Web-based information depots. Never shall a short answer exam go incomplete in my future. Nope, not anymore. Underneath the scrawl of my fabricated filler statements, my Web-savvy grader may be pleased to find the note: "For a complete essay, please see <http://web.mit.edu/~arifh/exam2-husain-answers.html>."

Aaah, yes. Happiness is a warm mouse pad.

This column is the second in a short series on the topic of informational computing.



*Outside of a small group at MIT, and perhaps some in Switzerland, the acronym "HTTP" was as unknown as chitlins in Minnesota.*

old contained mostly text on a monochrome background with an occasional graphic plopped in squarely. Documents today can incorporate full-motion interactive video, sound, animation, multicolor everything, and an assortment of formatting features. For better or for worse, that's technology, and that's expected. What has been so shocking to me, though, is how rapidly the technology has become a staple part of household life.

Today, every television ad, every newspaper, radio, and retail store seems to have incorporated Web site addresses into their marketing schemes. Consumers no longer have to parry advertisers' relentless assaults but instead are now lured into searching out advertising themselves. I bet Tom Sawyer would have gotten a kick out of the whole scheme. The adage, "don't call us, we'll call you" has now become, "don't call us, check out our Web site."

I must admit that in the beginning I felt the Web explosion was a bit of a jip. My naive perception of a network novelty was not ready to include exposure on national

## Opinion Policy

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**Letters and cartoons** must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of The Tech. The Tech reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of The Tech, and will not be returned. We regret we cannot publish all of the letters we receive.

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## ERRATUM

An article in last Tuesday's issue about the pistol team ran with an inaccurate headline that referred to the team as the rifle team. The two teams are separate and each has its own schedule of events.

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# \$50K Competition Gets Started

By May K. Tse  
ASSOCIATE NEWS EDITOR

Budding entrepreneurs are gearing up for this year's \$50K competition, with starter \$1K competition entries deadlines and lectures and workshops for participants taking place in coming weeks.

The \$50K competition officially kicked off on Oct. 24 with a speech by Bob Swanson '69, one of the co-founders of Genentech, Inc.

An "Ideas Generation Workshop" will be held Thursday in 3-370 at 6 p.m. This workshop will focus on helping contestants develop some ideas to market and evaluate the feasibility of their ideas.

"The ideas seminar is a way for people to find team members, evaluate ideas, and get feedback to get started to enter the \$1K," said Barbara B. Barotti '98, lead evangelist of the \$50K organizing team.

The \$1K competition is a precursor to the main competition in the spring. "The \$1K is a warm-up to get people to start thinking about a high-quality business idea," said Joost P. Bensen '92, lead organizer of the 1994 and 1995 competitions.

"\$50K entries are totally independent from \$1K entries; if you're not in the \$1K you can still enter the \$50K, but you're just starting that much earlier for the \$1K, and it always helps," said Will N. Clurman G, lead organizer of this

year's contest.

Entries for the \$1K competition are due on Nov. 26, and the winners will be announced on Dec. 10. The contestants will then have a chance to further develop their business plans at special classes during Independent Activities Period and refine their plans by the deadline for the \$50K entries on Feb. 26.

"The best teams have a good mix of technological and business talent and experience coming together in a team to complement each other with both undergraduate and graduate students," Bensen said.

Currently, there are over 400 people on the \$50K competition mailing list with 200 expected team entries. About 35 people are also involved in the organizing team, working on coordinating events, reaching out to sponsors, and publicizing and running the contest.

## \$50K gives businesses a good start

In the eight-year history of the \$50K contest, over \$100,000 in cash and business start-up services have been awarded to winners.

Many local start-up companies have been spawned from \$50K entries, both from overall winners and from entrants who were eliminated as early as the first round of the contest.

One 1991 team which went on to become Stylus Innovations licensed

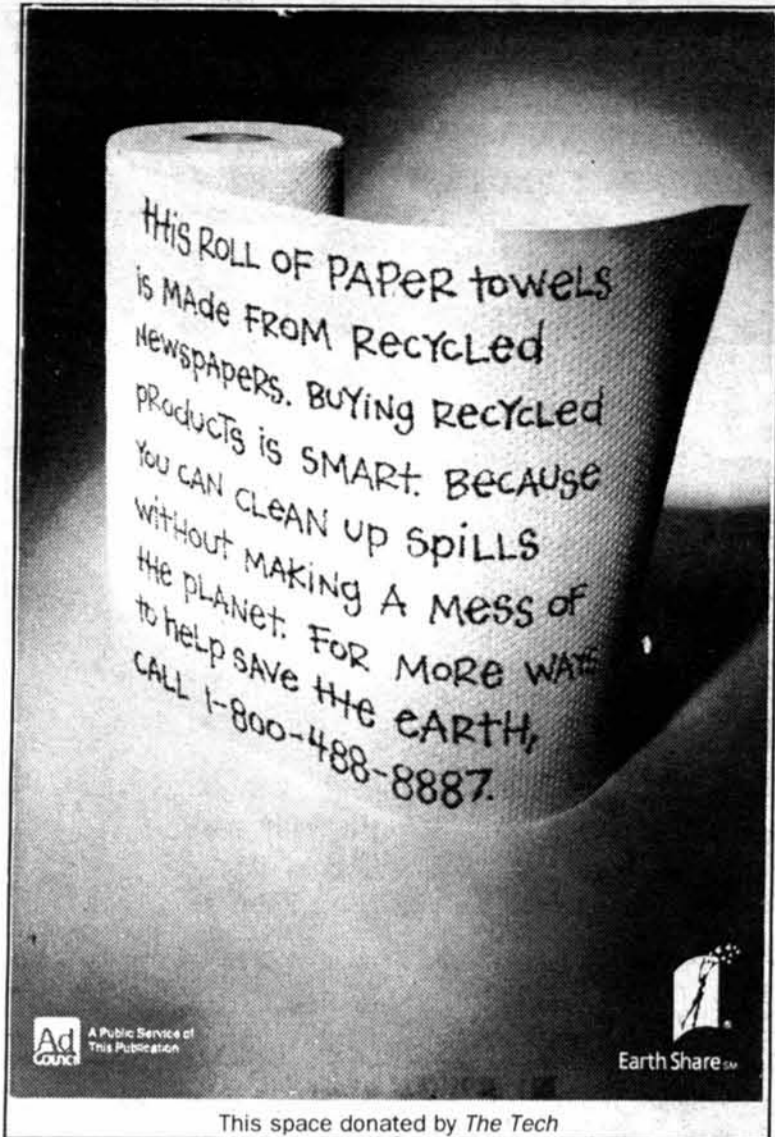
its original technology for roughly \$8 million and is now a sponsor of the competition that was responsible for its genesis.

"The contest is an excellent motivator to get a team of people to think through all the important parts of a business plan," said Peter H. Schmidt '88, cofounder of Midnight Networks, who was involved with the 1991-92 contest and made the decision to start a business while he was an undergraduate.

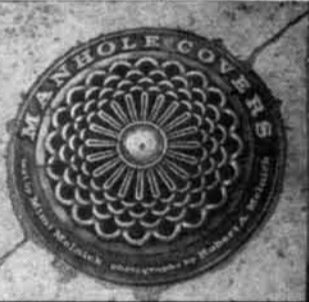
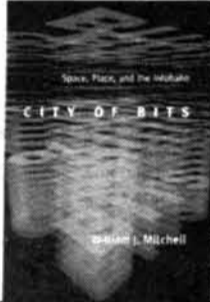
Many believe the contest is particularly well-suited for MIT. "MIT fundamentally is about pioneering and creating new and better things. Entrepreneurship is an important component of it, plus invention and scientific discovery," Bensen said. "Our goal is to increase the total number of people who start companies and to increase the percentage that succeed."

"This is a magnet for people doing entrepreneurial things at MIT. It's good to work on this and learn from judges and sponsors, get advice, and get exposed to powerful networking from people with lots of experience who know all sorts of venture capitalists who can help with connections," Clurman said.

"The prize money itself is small potatoes. The big value of the competition is the amazing network of resources you tap into," Clurman said.



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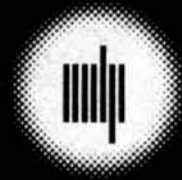
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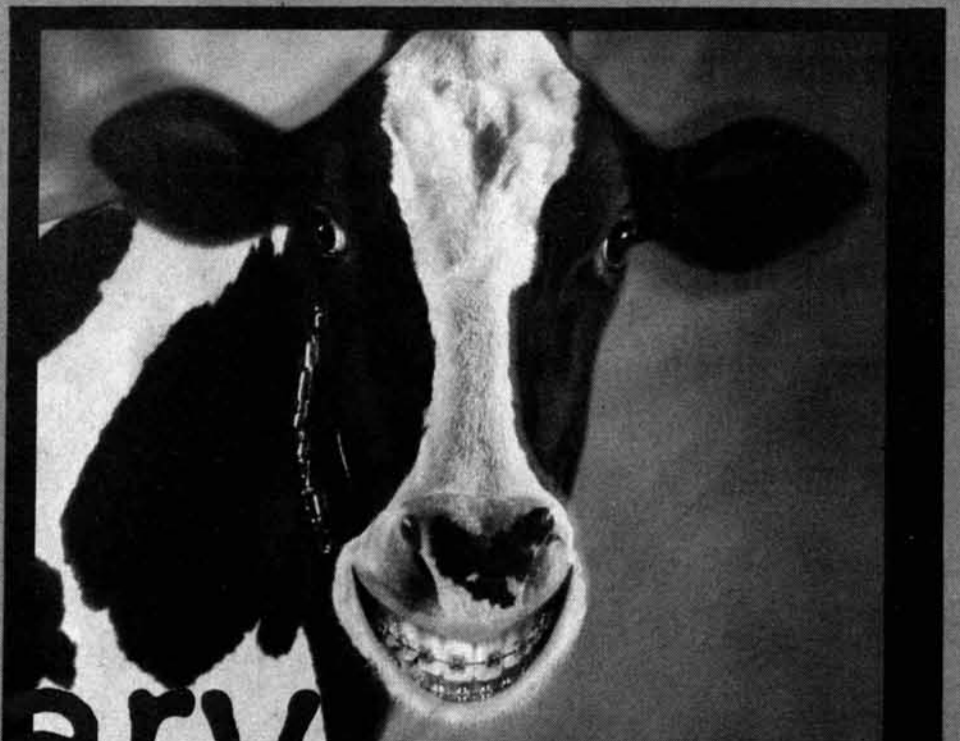
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JIRI SCHINDLER—THE TECH

Kevin M. Trexler '98 recovers a fumble, leading to MIT's first touchdown of Saturday's football game and giving MIT a lead in the third quarter. MIT beat UMass Boston 15-8.



Having second thoughts  
about your major in

# Veterinary Dentistry?



# Spring Carnival Revived by APO To Promote Community Growth

By Orli G. Bahcall  
ASSOCIATE NEWS EDITOR

Alpha Phi Omega plans to revive its Spring Carnival this year after the carnival's 20-year absence from campus.

The carnival will take place on April 26, the Saturday after the spring semester drop date, on Kresge Oval.

The carnival is meant to be "in the spirit of Spring Weekend, where people come out and have fun. We're just trying to organize it on a larger scale, to bring more of the campus out to have fun," said Carnival Chairman Lan-Chun Chang '98.

APO is a coed national service fraternity that has been active in promoting public service at MIT for 60 years.

Chang decided to resurrect the tradition of a Spring Carnival, formerly an annual event held by APO, while she was "looking through some APO archives."

As of yet, there are no specific plans for this year's Carnival. "We are trying to keep the structure loose enough to accommodate what people are interested in and keep them involved," Chang said.

Attractions of the last Carnival included an egg and flap jack toss, where participants would toss food as high into the air as possible and attempt to catch it in a pan.

This just goes to show that "people can be so creative here — and pretty funny too," Chang said.

Two other activities popular at earlier carnivals among fraternities were a car smashing and a race to see who could disassemble a donat-

ed piano the fastest, said Oscar A. Rodriguez '99.

"These examples attracted me to the idea of a more student-run events and booths," Chang said.

## Carnival will unite student groups

While the student body "still has large gatherings, we have nothing where we can gather along with our professors and the people of the community," Rodriguez said. Most student activities now are aimed toward a specific group of students, he said.

By inviting all MIT-affiliated personnel and students as well as members of nearby communities, APO hopes to bring the student body back together while promoting interaction between students and the rest of the community, Rodriguez said.

The Spring Carnival is an ideal way to "get the MIT spirit going in full force and encourage interaction between groups," Chang said.

APO alumni recall that when the carnival was held several decades ago at MIT, there was much more friendly interaction among living groups, Chang said.

The carnival "should be big and draw a lot of people. We hope to get lots of interaction between different groups of students that we have here. MIT is a very diverse place and has lots of different people interested in different things," Chang said.

## Carnival has several goals

There are two main incentives for student groups to participate, Rodriguez said. First, the carnival is a good fundraiser for the groups

who participate in it. Second, the carnival is a service to the community. A percentage of all the money raised at Spring Carnival will be donated to a charity, he said.

Spring Carnival was started to allow student groups to "come out and run a fundraising activity and provide a service for the community" and let APO deal with the paper work, Rodriguez said.

APO is not currently trying to pressure student groups to get involved, Rodriguez said. Rather, APO is hoping that student groups will want to get involved once they see that the entire community will be interested.

Informational packets have been sent to living groups and activities to describe the plans for the carnival. Application packets for groups to register booths at the carnival will go out in early November and will have to be turned in by early December.

By asking for responses so early, APO hopes to get a feeling as to whether "there is enough interest for the carnival to be feasible," Chang said.

Questions about the carnival should can be sent to carnival@mit.edu.

APO holds several service events for the MIT community throughout the year, including the Big Screw and Ugliest Manifestation On Campus competitions.

The fraternity also sponsors weekly service activities ranging from taking trips to public shelters and food banks to building schoolyard playgrounds to helping clean up the Charles River.

## \$30,000 Lemelson-MIT Student Prize

The Lemelson-MIT Prize Program is currently accepting applications for its \$30,000 Student Prize to be awarded on February 11, 1997 to a MIT graduating senior or graduate student who displays a remarkable talent for invention and innovation. Please call 253-3352 or send email to dbell@mit.edu for more information and for an application form. Application Deadline: December 11, 1996.



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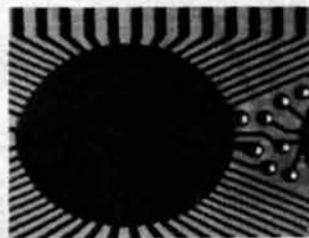
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# Revitalization of CEG Follows Discussions of Past Difficulties

CEG, from Page 1

are more editors to divide the work, and eventually some of the data compilation may be absorbed by different departments, said Associate Dean of Undergraduate Academic Affairs Peggy Enders.

A lot of the busywork for editors will be eliminated this year when forms are scanned and other students are hired to do the paperwork that the editors have typically taken on, Lee said.

The group investigating a long-term solution to the CEG's problems — called the discovery team — will consist of students, faculty, and staff, and it will look for the best model on which to run the guide, Enders said.

"The ideal model would be based on finding out what people

want, seeing what other schools do... and finding a place outside of a student group to do the grunt work," Enders said.

Faculty expressed some concern over the lack of a Spring 1997 guide, as well as the delay in receiving feedback on their courses. As a result, departments may have to gather some data themselves, Enders said.

"I hope that this time students are able to concentrate on a first-class guide to the subjects and not worry about paper-pushing," Enders said.

### CEG will return to old forms

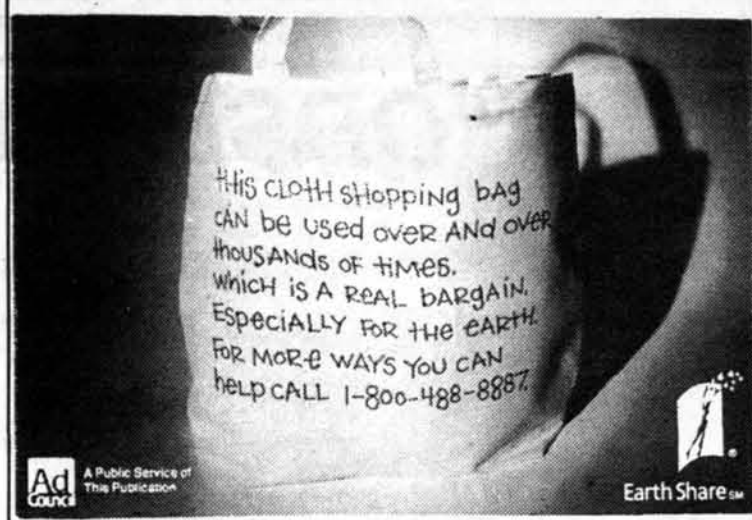
Additionally, the CEG will not use the new questionnaires created last term that included full-sentence evaluations. It will instead use the previous system where students filled out bubble forms that could be scanned electronically.

The new form "asked a lot of questions that were difficult to answer," Enders said. People were happier with the data from the old one, she said.

The guide will continue to be placed on the World Wide Web, reflecting a move that was made last year mostly because of publishing costs, Enders said.

Only a limited number of copies will be printed this term, although it is possible that more copies of the guide will be distributed in the future, said Kanae Mukai '98, one of the editors for this term's guide.

The CEG has already ordered its evaluation forms and is currently advertising for student workers, Mukai said. "There are a lot of little details we have to work on."



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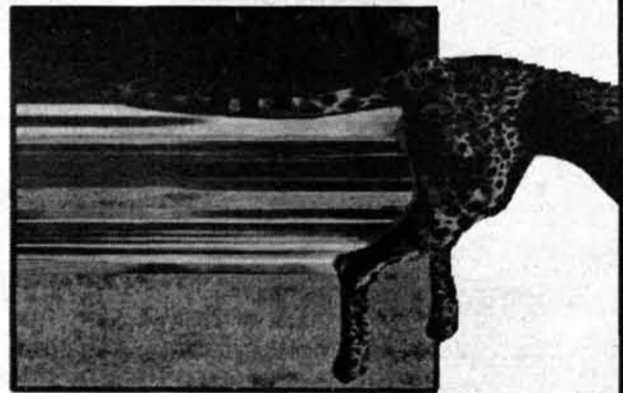
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# Student Groups Sponsor Panel to Discuss India and Comprehensive Test Ban Treaty

By Noémi Giszpenc  
STAFF REPORTER

India's recent refusal to sign a comprehensive test ban treaty ignited discussion Thursday night at a panel talk in '3-370.

On Sept. 24, more than 160 countries signed a comprehensive test ban treaty, but India refused to sign. India's refusal stood in stark contrast the country's attitude in 1954 when Indian Prime Minister Jawaharlal Nehru himself proposed a nuclear test ban treaty.

The discussion was sponsored jointly by Sangam, the Indian students group at MIT, the Pakistani Students Association at MIT, and the Alliance for a Secular and Democratic South Asia.

The conflict between India and Pakistan has played a large role in those nations' refusal to sign the treaty. Other motives underlying such a move are hard to pin down, as the three speakers demonstrated.

All three speakers agreed that nuclear weapons should be completely destroyed, but they did not all agree that India should have signed the treaty.

### Bidwai calls for gradual process

Prful Bidwai, an Indian journalist and the first speaker on the panel,

emphasized the positive implications of a test ban. He expressed a great deal of hope for the goals of the treaty but was apprehensive about the ramifications of India's position.

A paper treaty would have no force unless specific countries, crucial to their regions, sign it, Bidwai said. He cited Israel as one example and India as another. If the treaty succeeded, it would be milestone, he said, but if key nations did not sign, the result would be tragic.

Though the test ban does not include disarmament policies, it would reinforce nuclear restraint and slow down the arms race, Bidwai said. The world disables 2,000 nuclear weapons a year, a process if continued would eliminate all weapons in 20 years, he said.

Russia and the United States have signed the Strategic Treaty for Arms Reduction which would implement a two-thirds reduction of nuclear weapons in the next six months to a year.

All of these factors are evidence that the political norm is changing, Bidwai said. However, there is a danger that India will cling to its opportunity for holding the "currency of power" as it looks toward its position in the 21st century, Bidwai

said.

### Mian indicts colonial mentality

Zia Mian, a Pakistani peace activist and member of the Union of Concerned Scientists, was the second speaker on the panel. He focused on the region's colonial inheritance and the history of Pakistan and its conflict with India.

These two factors have greatly affected public opinion in these regions, he said.

Under colonialism, states would try to act just like their colonizers and attempt to have the same privileges as they did. That is exactly how the former colonies of South Asia are behaving now, Mian said.

In general, the global dilemma is that as long as some nations have nuclear weapons and others do not, non-nuclear states will threaten to jump in, he said.

The particular problem in South Asia is that since India is conventionally superior to Pakistan, nuclear weapons are an integral part of Pakistan's obtaining military equality, Mian said.

### Prashad distrusts nuclear elites

Vijay Prashad, assistant professor of international affairs at Trinity College, was the third panel speak-

er. He argued that since conventional, not nuclear, weapons were the biggest threat in South Asia, the test ban treaty was irrelevant.

Furthermore, nuclear elites can not be trusted to hold to any signed treaties, he said.

Prashad's talk opened with his opinion of what really controls Afghanistan today — not the Taliban militia and not the warlords or government troops but the undetectable plastic landmines scattered across the countryside.

The five nuclear elites are the top sellers of conventional arms. Sales are a means to circumvent nuclear weapon acquisition and will only damage the poorest people of the client nations, not anyone from the elite nations, Prashad said.

Conventional weapons are destroying children and civilians, while nuclear weapons have not done so for half a century, he said.

Prashad disagreed with Mian, who stressed that the level of destructiveness is going up dangerously in the Indo-Pakistani conflict. He said that he feels that India had done the right thing by refusing to sign the treaty, drawing attention to the different status of elite and non-nuclear states, but that it had done it "for all the wrong reasons."

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Age 18, 1993



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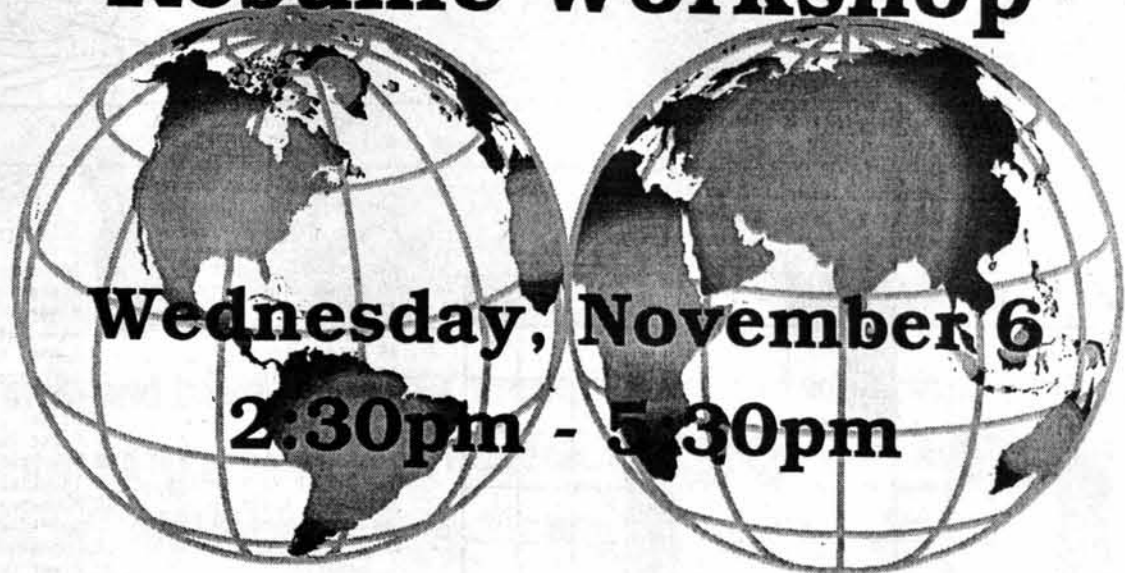
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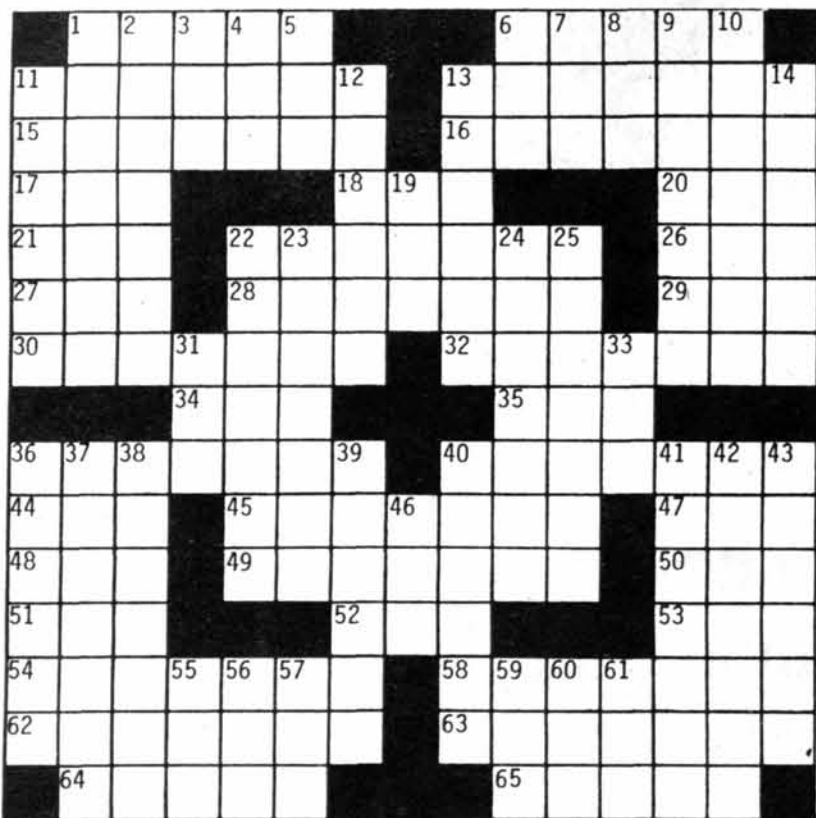
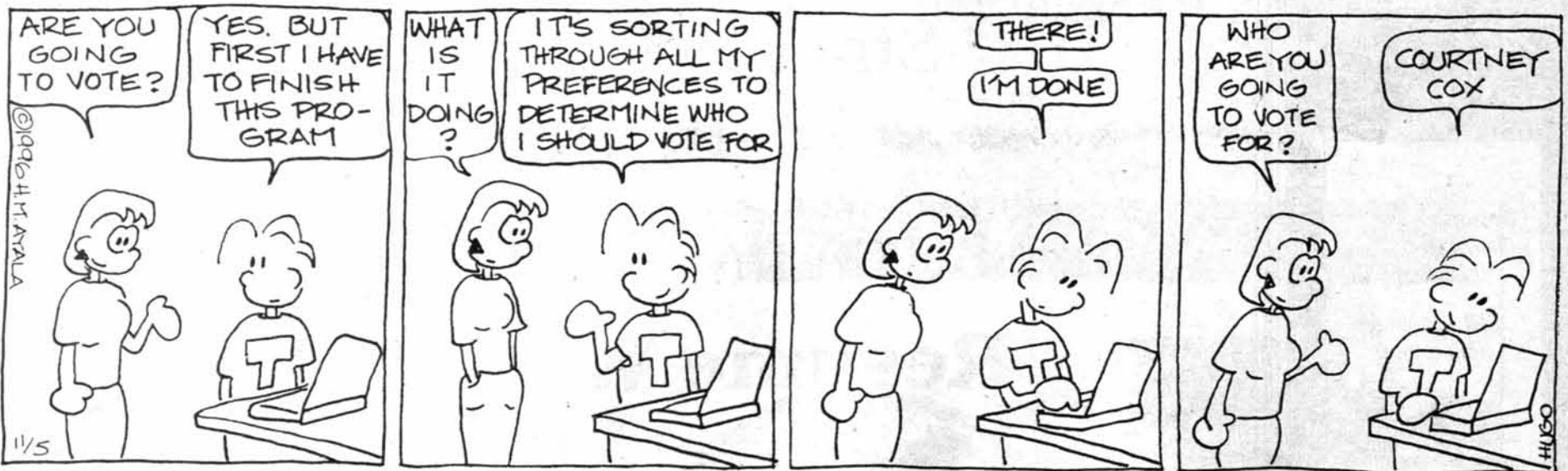
## Dammed for Life

By Jca



## Off Course

By Hugo



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ACROSS

- 1 Serious wrongdoing
- 6 Brown pigment
- 11 Feign
- 13 Retaliate for
- 15 Optimistic
- 16 Ornamental dish
- 17 Shakespearean killer
- 18 Aflame
- 20 Electrical unit
- 21 British verb suffix
- 22 Snares again
- 26 Ibsen character
- 27 Trigonometric ratio (abbr.)
- 28 Avoidance
- 29 Prefix: threefold
- 30 Manors
- 32 Jungle animal
- 34 Make a mistake
- 35 Musical syllable
- 36 Alley denizens
- 40 Brown pigments
- 44 Prefix: mouth
- 45 Goddess of agriculture
- 47 Basic Latin verb
- 48 Do wrong
- 49 Newspaper VIPs
- 50 — Aviv
- 51 Understand
- 52 Composer Delibes
- 53 Spanish article
- 54 On the way (2 wds.)
- 58 Of a biological class
- 62 Played for time
- 63 Lift
- 64 Winter forecast
- 65 —-mouthed

DOWN

- 1 Intersects
- 2 Esteem
- 3 Mineral suffix
- 4 — culpa
- 5 Suffix for correspond
- 6 Calendar abbreviation
- 7 First lady
- 8 — se
- 9 Thankless one
- 10 Moorehead and De Mille
- 11 Encomium
- 12 River features
- 13 Sell
- 14 Lamprey fishermen
- 19 Tax collectors
- 22 Make a secondhand deal
- 23 Turned inside out
- 24 Star of "Lilies of the Field"
- 25 Night nuisances
- 31 Energy agency (abbr.)
- 33 One of the Bobbsey Twins
- 36 Throws
- 37 Acclimates
- 38 Feldspar, for one
- 39 Put on a happy face
- 40 Curly or Shemp
- 41 Neither sharp nor flat
- 42 Agreeable feature
- 43 Relief from grief
- 46 Nice summer

- 55 Corrida cry
- 56 Diminutive suffix
- 57 The — Offensive
- 59 Slippery —
- 60 Born
- 61 — Braun

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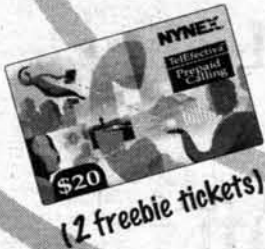
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# With Election Looming Near, Groups Try to Get Out the Vote

Elections, from Page 1

willingness to invest in the future through support of education and research. Make up your own minds, but do show that you care by voting."

## Students support their party

Democrats and Republicans, however, remain in support of their respective candidates.

"Bill Clinton's more in tune with young voters. While I don't necessarily agree with everything he does, he's done a lot in terms of foreign policy, domestic issues and education," Hassan said.

"Dole is truly the better man for America. His stands on the issues, while not perfect, are at least on the right track," said William Schneider.

The political groups have been involved in a number of campaign activities this year.

The College Democrats, founded only last March, took on a 'get out the vote' effort this year, said Areej Hassan '99, co-president of the group.

As part of this effort, the group ran an absentee ballot drive. Members of the group distributed

information via e-mail on how to get an absentee ballot and manned a booth in Lobby 10 to distribute information.

"Basically, we are trying to remind and encourage as many people to vote as possible," Hassan said.

The group held a voter registration drive the week of Sept. 24 during which time they registered over 200 people to vote, Hassan said.

In addition to on campus activities, the group worked with the Massachusetts Democratic Party to get students involved in rallies.

Some members had the opportunity to be in a commercial with Senator John Kerry, who is running for re-election to his senate seat against Massachusetts Governor William Weld. Others volunteered at the Fleet Center Victory concert at which Kerry campaigned with Clinton.

## Republicans focus off campus

While College Democrats were active on campus and off, the MIT College Republicans have focused their efforts working in the offices of local Republican candidates.

"We primarily focused our activities on off-campus events. We

believed that we could have a greater impact on the November elections by joining the campaigns of local Republicans than by campaigning on campus," said Michael Stanley '99, College Republicans treasurer.

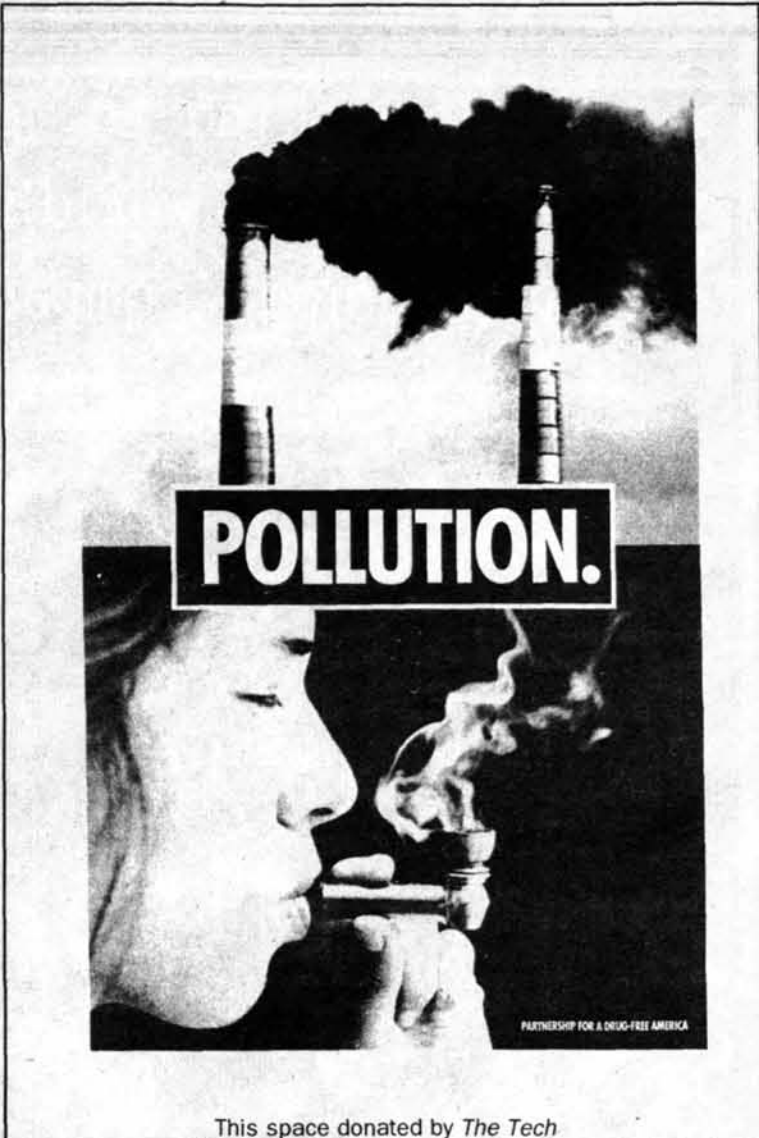
The College Republicans centered on the races of Tom Massimo for state representative, Ed Teague for Congress, and Weld for Senate, Stanley said.

The group did host some events on campus. They sponsored a speech by Morry Taylor, a candidate for the Republican presidential nomination, last semester. They also held an informal question and answer question with Philip Hyde, GOP candidate for Congress in the 8th district.

The Republicans also plan to unite in support of Weld at the South Station T stop at 6 p.m. this evening.

The MIT Libertarians also had an information table in Lobby 10 on yesterday.

The Undergraduate Association conducted a last-chance registration drive the last week citizens were able to register to vote. They registered about 80 people, said Sandra C. Sandoval '00, freshman class president.



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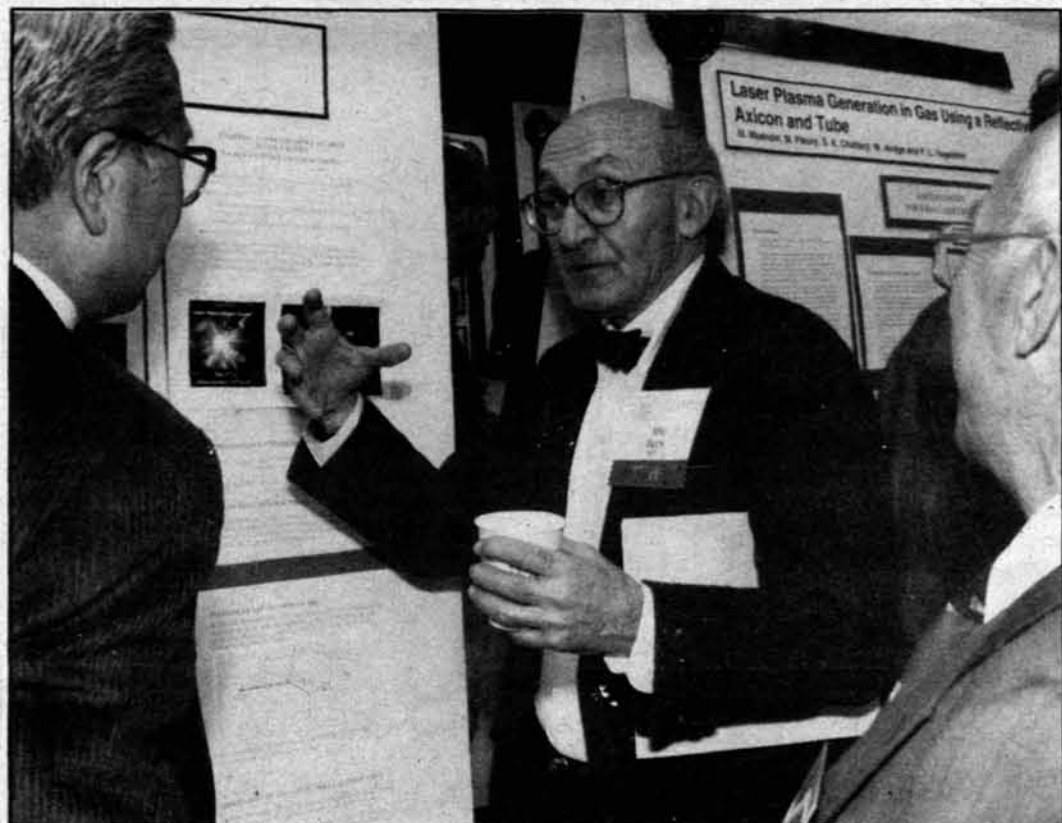
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 Professor of Electrical Engineering and Computer Science Abraham Bers ScD '55 discusses his work in plasma electrodynamics with Toshimitsu Musha at the 50th anniversary celebration for the Research Lab of Electronics. The celebration took place this Friday and Saturday.

# POLICE LOG

The following incidents were reported to the Campus Police between Oct. 24 and 30:

**Oct. 24:** Bldg. 2, tire stolen from bicycle, \$60; Tang Center, suspicious persons, trespass warnings issued; Bldg. 38, suspicious person, trespass warning issued.

**Oct. 25:** Bldg. E19, laptop stolen and later recovered; Bldg. E39, harassing phone calls; East Campus, wallet stolen, \$50; Johnson Athletics Center, sump pump stolen.

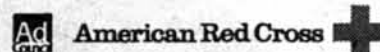
**Oct. 26:** Student Center, Morris Stallings, of 52 Stanwood St. #3, Dorchester, arrested for trespassing; Bldg. 13, bicycle stolen from rack, \$250.

**Oct. 27:** Briggs Field, assault between two soccer players.

**Oct. 29:** Bldg. 66, wallet removed with \$7 cash from a backpack wallet, wallet later recovered; Bldg. NE43, suspicious package, discovered to be a projector; Dupont Gymnasium, backpack stolen from basketball court, later recovered minus \$30 cash.

**Oct. 30:** Student Center, wallet left in phone booth, later recovered in WW15 parking lot, nothing missing; Bldg. 33, suspicious person.

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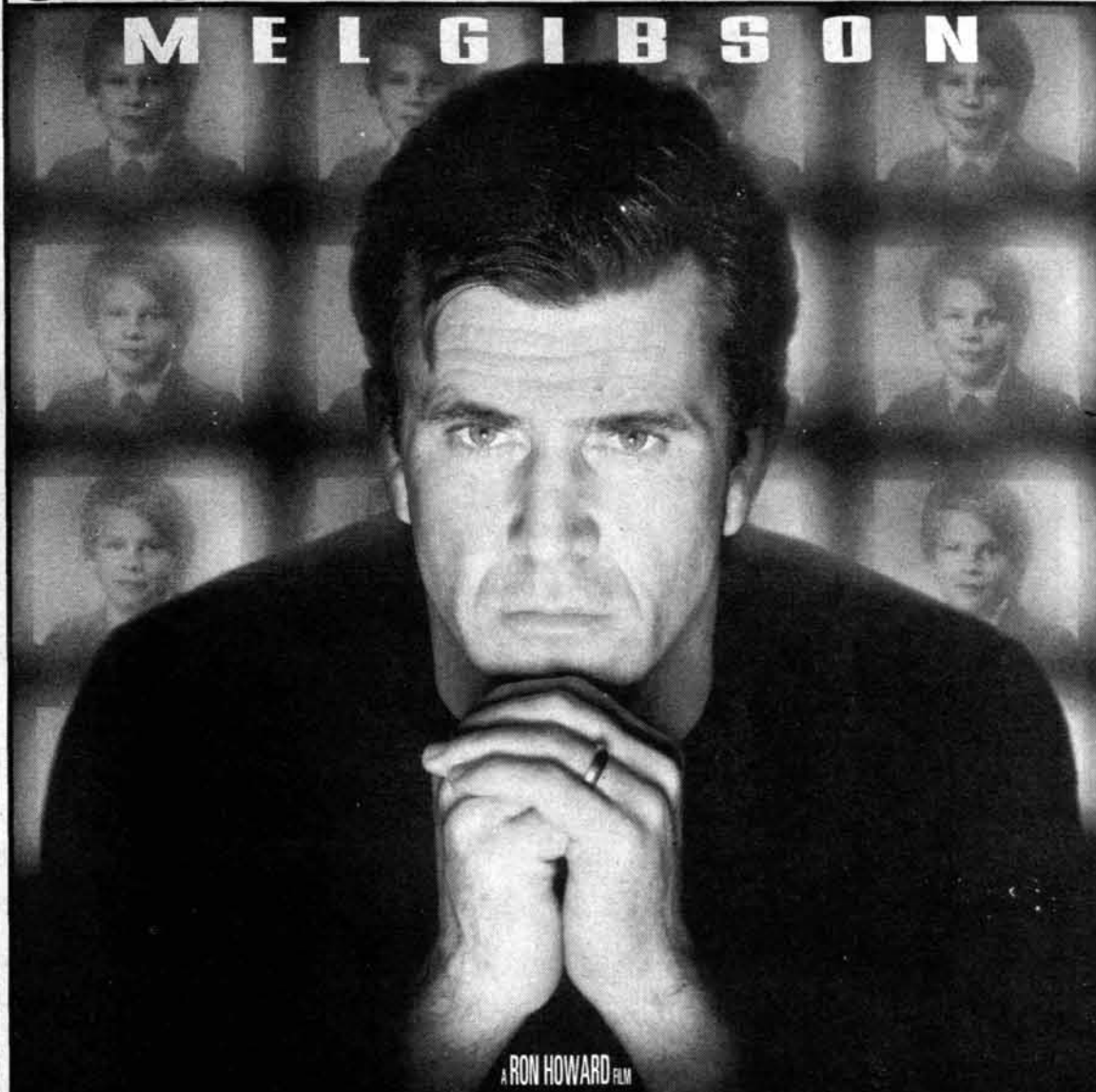
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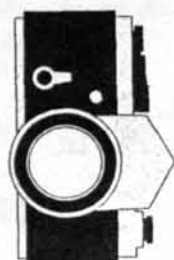


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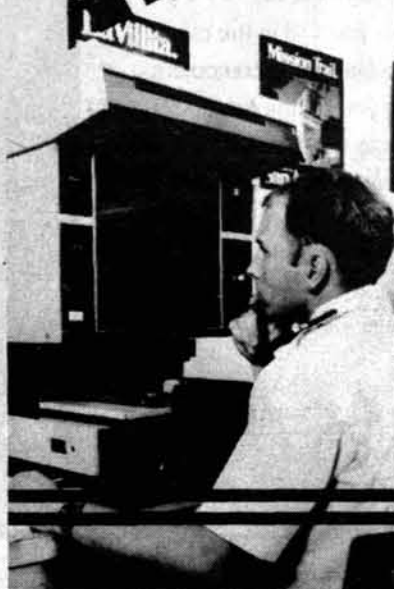


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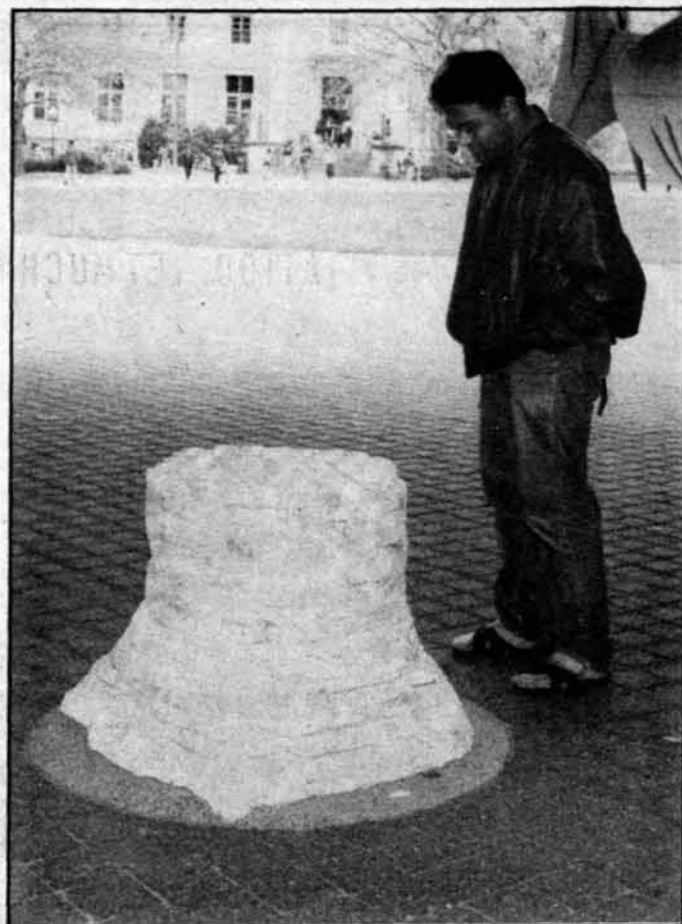
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scared. I thought I'd never see him alive again. But thank God the blood was there. Somebody somewhere already gave.

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but whoever it was will always be a hero to me. And to everyone else in my family. It's funny to think that someone who didn't even know my brother, and never will, could save his life simply by giving blood. But it really is that simple. And it really is that important. That's why I started donating blood. 'Cause who knows? Maybe someday I'll be somebody's hero, too.”

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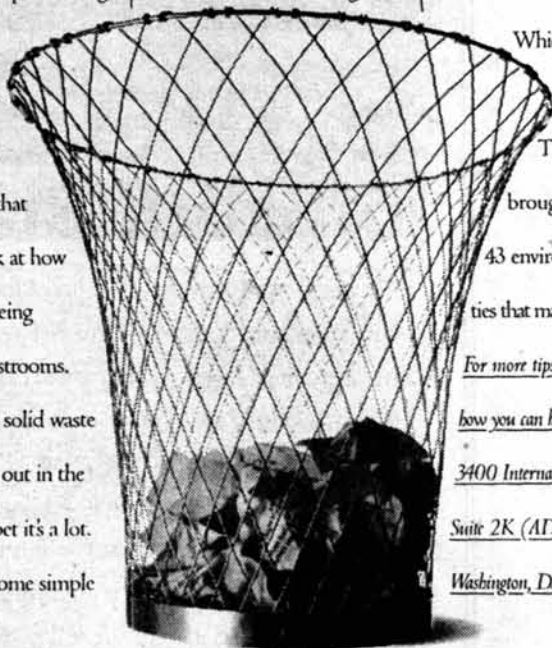
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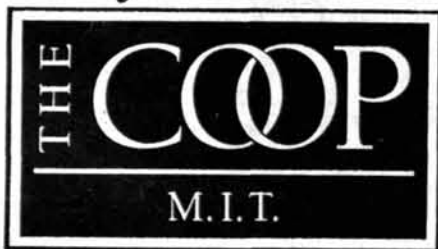
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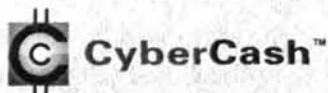
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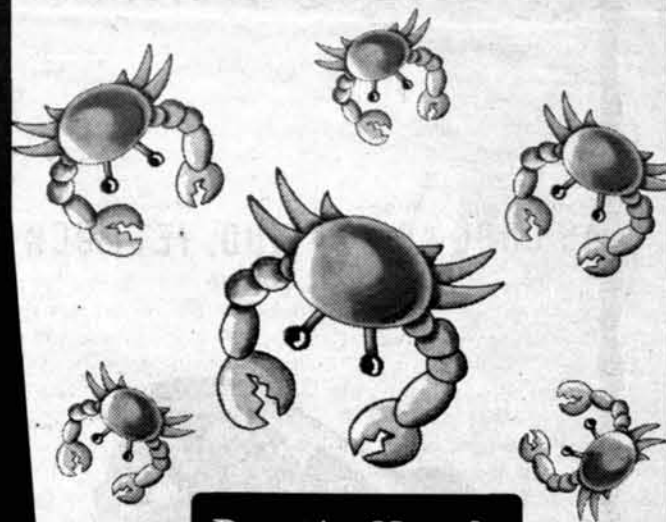
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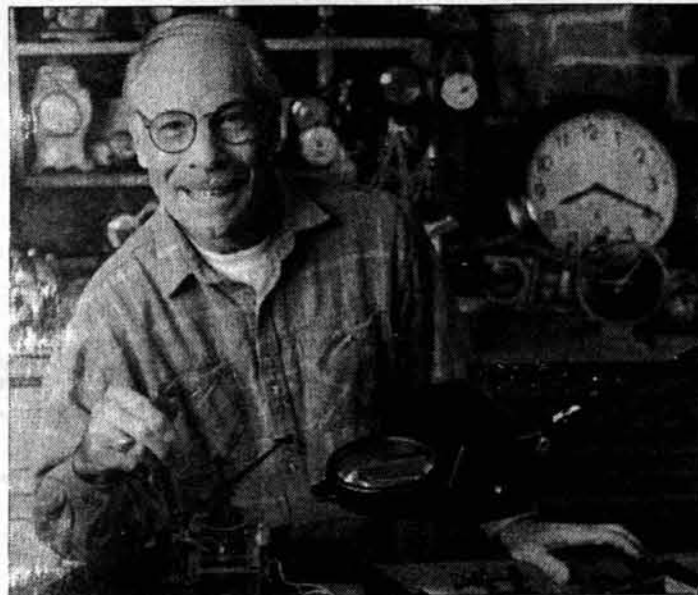
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# Outgoing Chairman Gray Says Endowment Too Low

By Ramy A. Arnaout  
SENIOR EDITOR

*First of two parts.*  
Next June will mark an important changing of the guard at MIT, as Chairman of the Corporation Paul E. Gray '54 will step down after 10 years at his post.

It will also mark a more personal milestone for Gray, who will have spent all but two of the past 47 years studying at, working at, or running the Institute.

In that time — starting as an undergraduate in 1950 and eventually becoming president and chairman — Gray has seen and overseen one of the greatest periods of growth and diversification of MIT's history, and has earned a reputation as a committed educator and skilled budget handler and fundraiser.

Gray shared his views on the endowment, undergraduate education, and other issues in a recent interview with *The Tech*.

## Endowment is too low

The endowment — an all-purpose nest egg whose interest defrays a large part of the cost of educating students — is "perhaps the major responsibility of the chairman," said Gray, who spearheaded the Institute's record-setting \$710 million fundraiser in 1992.

But while MIT's \$2.1 billion endowment is the 10th largest in the nation, it is not high enough, Gray said in the interview.

"Any way you look at it, the Institute is underendowed, in

absolute or per capita terms," Gray said. A 10th-ranked endowment is not commensurate with MIT's other standings like the quality of programs, faculty, or admitted students, he said.

The numbers bear that view out: As one yardstick, *U.S. News & World Report's* annual rankings have put MIT in the top five for academic reputation, student selectivity, faculty resources, and overall score for many years.

Worse, endowment per student ranks near 20th in the nation, according to *The Chronicle of Higher Education*. "We are not satisfied with being" that low, Gray said.

But the discrepancy is easier to see than it is to explain, Gray said. "Not anyone around here will give you a conclusive answer," he said, but suggested that admissions practices may be in part to blame.

Many Ivy League schools give preference to legacies or people with other alumni connections, whereas MIT does not, Gray said. "Consequently, at Harvard, Dartmouth, Princeton, and [other universities] a significant portion of the class has family ties that go back two, three, or four generations. That develops family loyalties," he said. On par, those loyalties can translate to lucrative gifts, he said.

But legacies are not the only connection, Gray said; business schools also play a role. "Harvard, Stanford, and Penn have much larger MBA programs than we do — 10

years ago, larger by an order of magnitude," he said. Graduates of those programs "go on to be captains of industry, and as such are a source of large gifts."

## Endowment lowers tuition costs

The practical importance of raising the endowment can be seen comparing the price of tuition to the total cost of a year's education at MIT, Gray said.

"If you count the total cost of education at MIT per student, you get a number approximately double that of tuition," Gray said. Tuition was \$20,100 last year, compared with a cost of education of \$37,000, according to the *Chronicle*.

The \$17,000 difference comes from two sources, Gray said: current gifts and the endowment.

Although the endowment is important, it is hard to speculate on

where it is headed, Gray said. Because the Institute likes to save it for last-ditch, rainy-day spending on research or salaries, the endowment depends in large part on the future of federal research funding.

That funding in recent years has been uncertain, Gray said. However, funding this year has been better than expected, thanks to strong lobbying from academia and industry, he said. "Research budgets have either been slightly up or slightly down," he said. "That's not an accidental result."

President Charles M. Vest and other university leaders "made the case that if research is not sped by government, it will not be sped by corporations, and if it is not supported, it will impinge on our ability to innovate" as a nation, Gray said.

But the future remains unclear, Gray said. "Those arguments suc-

ceeded in this first year.... But the question is, will it succeed" in the long term, he said.

"If it fails, that means a major realignment," Gray said. "How would that affect the cost of education? I don't know. If we try to maintain research, it will be stressful. If we try to cut back, [but] it will mean a reduction in staff and a reduction in programs."

Gray has seen this kind of crisis before, although not on this scale. During his years as chancellor — a special deputy-to-the-president position tailor-made for him — he was able to tweak MIT's budget to account for declining research spending in the late 1970s; he did the same about 10 years later. "But in neither case was the reduction [in federal spending] as dramatic as it is now," he said.

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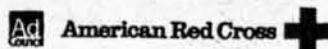
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# Football Overcomes Deficit To Defeat UMass Boston 15-8



JIRI SCHINDLER—THE TECH

Trenton J. Redman '97, the co-offensive player of the Oct. 27 - Nov. 2. week, receives a pass on the 13-yard line to score MIT's second touchdown in Saturday's football game against the University of Massachusetts at Boston. MIT won the game at 15-8.

Football, from Page 28

throughout the game, punishing UMass with six sacks and holding them to only 3.1 yards a play.

Offensively MIT took a while to get started but turned it up after three consecutive completions to Redman to end the first half. MIT was led by quarterback Blackburn who threw two touchdowns while passing for 146 yards on 12 of 29 attempts.

On the receiving end, Redman was instrumental in the Engineer comeback by igniting the MIT offense with his string of consecutive receptions and his 106 yards gained on eight catches for the day.

Maik Flanagan '99, had another outstanding game to lead the Engineers in rushing with 42 yards on 13 carries.

# Women's Tennis Finishes Season 8-2

By Sarah Kringer

TEAM MEMBER

The women's tennis team ended a successful season with a sixth-place finish at the New England Conference tournament last weekend.

First singles player Mealani Nakamura '00 won her flight by defeating players from Babson College, Smith College, and Bowdoin College. Her final match was stunning as she cruised to a 6-4, 6-2 victory. Second singles Michelle Youn '00 advanced to the semi-finals of her flight by defeating the second-seeded player in a well-played 6-3, 6-2 victory.

Both third and fourth singles players Nora Humphrey '98 and Lily Koo '97 were defeated in tough second-round matches. Fifth and sixth singles Sarah Kringer '97 and

Neda Ramirez '00 advanced to the quarterfinals in their draw.

In doubles play, MIT's first team of Nakamura and Humphrey advanced to the quarterfinals where they lost in a close match. Both second doubles team Youn and Ramirez and third doubles team Koo and Kringer were matched against seeded teams in the second round and lost in well-fought matches.

The tournament ended an outstanding season for the women's tennis team, whose final record was 8-2.

This record earned the Engineers a number two ranking in the New England Women's Eight Conference. In addition to this honor, Nakamura was named rookie of the year and Kringer was named to the all-conference team.

# Ballroom Dance Team's Rookies Dominate Harvard Competition

By Vikas Bhushan

TEAM MEMBER

The ballroom dance team continued its tradition of dominating the annual Harvard Beginners' Competition held last weekend.

At least 10 universities were represented in this competition, which is only open to rookies who compete in one of two categories: newcomers (for those who just started dancing this fall) and beginners (for those who started dancing no more than one year ago).

The team places a strong emphasis every year on training their rookies to be competitive very early in the season. This is made possible in large part through the time and effort that the team's veteran members spend to help train the rookies.

In addition, the rookies received excellent coaching from the team's amateur coaches Warren Dew '81 and Elizabeth Earhart G and from

their professional coaches at the Fred Astaire Dance Studio in Boston and at Studio 665 in Malden. The results at this competition reflected this effort and demonstrated the strength of MIT's rookie competitors.

There were two newcomer events at the competition: foxtrot and swing. In the newcomer foxtrot event, MIT had five couples competing, and all made it through the quarter and semifinal rounds to earn a spot in the seven-couple final.

Kuochun Wu G and Wenjia Fang G placed first, Feng Li '97 and Susan Rushing '99 placed third, Justin Zhuang G and Lucila Ramirez '00 placed fourth, Jorge Barrera '99 and Alice Yang '00 placed sixth, and Frank Wang G and Rebecca Xiong G placed seventh.

The newcomer swing event had a record number of participants, and

despite the strong competition, two couples from MIT made it through four qualifying rounds and placed in the finals. Barrera and Geeta Sankappanavar G finished a strong second and Zhuang and Radhika Dutt '99 finished in seventh.

In the beginner category, MIT had one couple competing. Edmund Yeh G and Mary Chen G placed second in the beginner waltz event.

The team plans to attend two more competitions this semester: at Brown University in late November and Yale University in early December. Both of these will be full-scale competitions with dancers competing at all levels — newcomer through advanced — as well as in open categories.

Given the strength of the rookies and the veterans on the team this year, the team is expecting to place well in all levels at these upcoming competitions.

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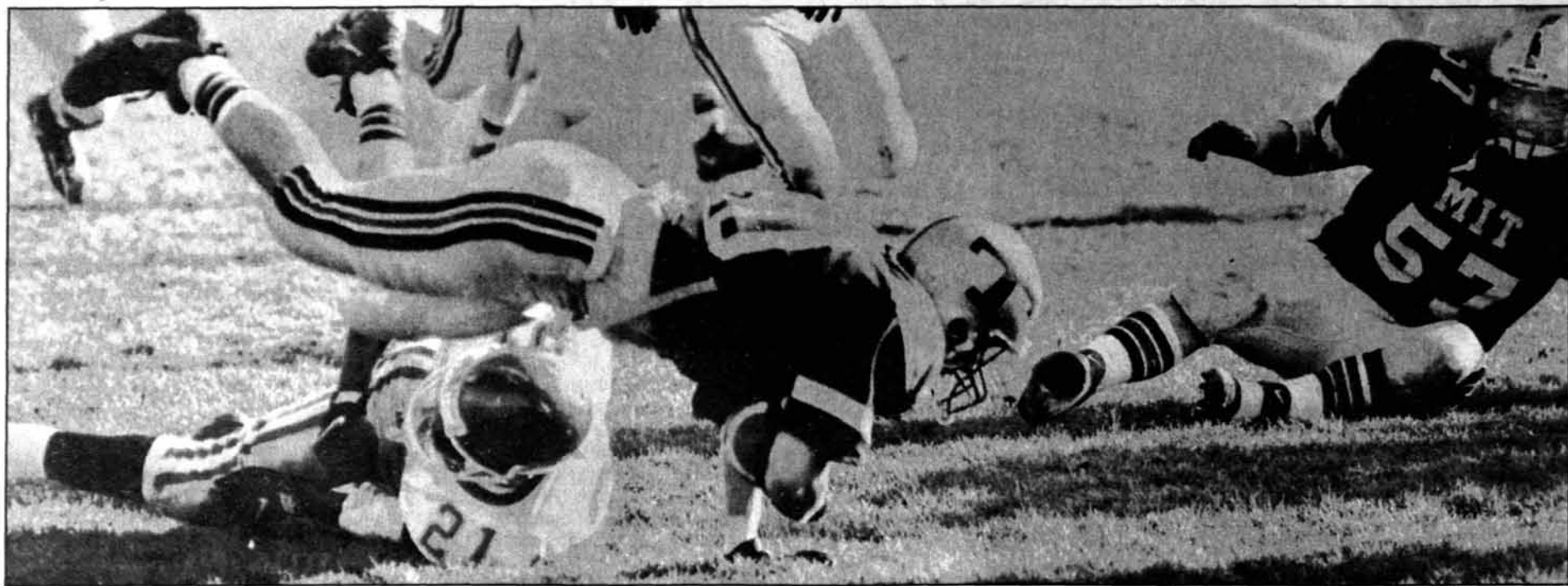
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## SPORTS



Christopher Yanney '97 clears a way for Trenton J. Redman '97 to make a first down in the third quarter of the Saturday's football game against the University of Massachusetts at Boston. MIT won 15-8.

## Football Victory over UMass Brings Winning Streak to 3

By Chris Brocoum  
SPORTS COLUMNIST

The football team played an excellent second half to recover from an early deficit to beat rival University of Massachusetts at Boston 15-8 on Saturday.

UMass scored a touchdown late in the first quarter to take an early 8-0 lead but then quickly died as the Engineers took over the game. Beginning with a strong drive to end the first half, MIT began to play inspired football from there on out.

The Engineers' defense held UMass in check on their second possession of the second half, and a short punt of only 15 yards set MIT up with good field position at the UMass 36 yard line. Scott Blackburn '99 threw a 10-yard pass to Trent Redman '97 to set up the touchdown.

MIT ran a screen pass to the

right with a couple of nice blocks to allow Duane Stevens '98 to run almost untouched into the end zone to complete the 25-yard touchdown play. MIT converted for two points on a short pass to Redman to tie the score at 8-8 late in the third quarter.

UMass soon came storming back as they converted a key fourth down conversion and was threatening inside the MIT 20 when Sam Park '99 recovered a fumble in the backfield and returned it 36 yards to set MIT up near midfield.

Four plays later, Blackburn capped a 43-yard drive with his second touchdown pass of the day to Redman for 32 yards. The extra point was good to put MIT up 15-8 with 10:13 left in the game.

UMass had several chances late in the game, but each time the Engineers were right there. MIT's punt on their next possession took a

great bounce, and MIT downed it on the 1-yard line. The next play, it appeared MIT had sacked the UMass quarterback for a safety, but instead the referees spotted the ball on the 1-inch line.

Somehow UMass managed to get off a 34-yard pass that looked like trouble. Stevens quickly deflated UMass as he intercepted a Beacon pass attempt. It seemed it was all over with MIT on the UMass 23-yard line when the Engineers failed on fourth down to allow UMass one final chance to score with 1:53 left.

After a couple plays, Nick Cozy '00 sealed the Engineers' victory as he picked up a big sack. As the whistle blew, the final score was 15-8.

MIT's defense played well

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## Men's X-C Wins Conference Title

By Sohail Husain  
TEAM MEMBER

This Saturday the men's cross-country team played host to the rest of the Constitution Athletic Conference at the CAC championship meet.

The Engineers seemed to be less than gracious hosts as they ran away with their seventh consecutive conference title, leaving nothing but dust for the rest of the seven-team field.

MIT took advantage of the clear skies and familiar course by grabbing control of the race in the first mile and never giving up the lead. In the end, the Engineers' dominance was clear as they ended the meet with 30 points — well ahead of the United States Coast Guard Academy and Springfield College, which tied for second place with 55 apiece.

Arnold Seto G topped the field of runners, covering the 5-mile course in 25:44. Joining him in the top ten to earn all Conference honors were Josh Feldman '97 in a time of 26:06, Michael Parkins '99 in 26:09, and freshman superstar Chris McGuire '00 in 26:17. With his time, McGuire easily won the Rookie of the Year award.

Rounding out the varsity team were Dan Helgesen '97 in 26:45, Lief Seed '99 in 26:58, and freshman sensation Gabe White '00 in 27:02.

### Junior varsity captures win

The junior varsity harriers had no trouble capturing their victory either, crushing the other JV competitors and beating most of the

other varsity teams in the process.

Sohail Husain '98 and Frank Johnston '00 finished in the top 20 right on the tails of the varsity team with 27:14 and 27:24, respectively. Gerry Corona '97 was close behind in 27:51 while David Kelman '99 and Henry Hwu '98 rounded out the JV scorers with times of 28:38 and 28:53, respectively.

The team now has a week off before heading to the NCAA National Qualifier meet this Saturday at Westfield State College where the Engineers will race against two-time defending national champion Williams College and other schools for a trip to the Division III National Championships on Nov. 16.

## Big Upsets Continue In College Football

By Chris Lin  
SPORTS COLUMNIST

This past weekend the college football world appeared to go pretty smoothly, with the top nine teams winning handily.

Blowout was the genre of the day Saturday. The nation's top three teams — Florida, Ohio State, and Florida State — beat their "opposition" by a combined score of 141-10. As of today, all three teams have two weeks of warm-up games before virtual bowls take place.

Florida and Florida State will meet Nov. 30 in Tallahassee undefeated, and the winner will most likely play Nebraska in a bowl that claims to be the national championship game. That title will hinge greatly on the outcome of the Ohio State-Michigan game in Columbus, Ohio on Nov. 23.

This will be the third time in the last four years Ohio State has gone into the Michigan game undefeated. In the previous two, the Buckeyes came out losers, both times taking them out of the Rose Bowl and the national championship. Going into this year's game, the only certainty is that both teams will be pumped beyond belief.

However, some of the drama might have been taken away by this past weekend. The Northwestern Wildcats, ranked 11th, got spanked in the snow by 15th ranked Penn State. It was their first Big Ten loss since Nov. 19, 1994, also at the hands of Penn State.

The outcome of the game came to no surprise to me (see my column from last Tuesday), but what was surprising was how easily the Nittany Lions dismantled the Wildcat defense. With that loss, all Ohio State has to do is win its next two games against Illinois and Indiana to clinch their first trip to the Rose Bowl since the Reagan administration.

Then again, anything can happen. The Ohio State Buckeyes' first opponent of the season was Rice, whom the Buckeyes shellacked 70-7. Well, that same Rice team is now 5-3, punctuated with their 51-10 blowout of 20th-ranked Utah Saturday.

Two weeks ago, West Virginia was undefeated and ranked in the top ten. Now, two dream-ending losses later to Miami and Syracuse have them out of the polls altogether. The next two weeks do not seem that exciting, but that just means some outrageous upsets and events are on the horizon, kind of like when Sting turned bad in World Championship Wrestling.



Kim Levis '98 races for the ball in Thursday's field hockey game against Worcester Polytechnic Institute. MIT won 4-0.

PUJA GUPTA—THE TECH