

Kristle Tate '01 weaves through two Smith defenders in Saturday's game. MIT defeated Smith 3-1.
AJAI BHARADWAJ—THE TECH

Institute To Step Up Its Recycling Efforts

Student Group Petitions for Additional Bins

By Naveen Sunkavally
NEWS EDITOR

Years after MIT's student environmental organization, Share a Vital Earth (SAVE), first began lobbying to have recycling bins put in all across campus, MIT will install them months before a worldwide environmental conference to be held in January.

"The recycling plan that has been devised ... will place companion recycling containers for mixed paper and comingled goods next to all indoor common area trash containers" in December, said Jamie Lewis Keith, managing director for environmental programs and risk management. "The plan also will place companion recycling containers for comingled goods next to all outdoor trash cans."

A survey by members of SAVE identified 206 indoor and 125 outdoor garbage cans that needed companion recycling bins, Keith said.

Bins long planned

"We've been trying to pressure the administration for about seven

years, probably even longer, to put in recycling bins," said Eleanor S. Kane '00, a former president of SAVE. "What happened in the end was that MIT started to get really worried about them not looking environmental because in January there's a conference [where people] are expecting MIT to be on the cutting edge," she said.

The conference in January is being held by the Alliance for Global Sustainability, which consists of MIT, the Swiss Federal Institutes of Technology, and the University of Tokyo. The three institutions switch off holding conferences every year, and the year 2000 conference, to be held at MIT, will explore ways to link research results to action.

Professor of Chemistry Jeffrey I. Steinfeld, who is involved in the conference, said, "many heavy hitters in the field of environmental science, policy, and technology, are coming to this conference ... it's downright embarrassing when they

Save, Page 27

Course XV Plans New Minor

Proposed Program
To Begin in Fall 2001

By Grace Kessenich

By the fall of 2001, students may be able to enroll in a proposed minor in Course XV, Management Sciences.

Jeffrey A. Meldman '65, Senior Lecturer and Director of Undergraduate Programs at the Sloan School of Management, said that while nothing definite has been decided yet, Sloan administrators are working on securing final approval for the minor. Sloan officials are "not quite there yet," but are "leaning toward doing it," Meldman said.

Sloan recently surveyed juniors and seniors to gauge their interest in the proposed minor.

The management minor would include six subjects and have a strong management science focus, which involves more math than a typical management course that one might find at another school, Meldman said.

According to the survey, required courses might include 6.041 (Probabilistic Systems Analysis) and 14.01 (Introduction to Microeconomics). The remaining four courses would be chosen from a list of approved electives that includes the popular 15.301 (Managerial Psychology Laboratory).

Students show interest in minor

A number of students expressed interest in the possible management. Daniel S. Cho '02 said that he

Minor, Page 31

Welcoming Gays at MIT

Institute Celebrates
Coming Out Week

By Katharyn Jeffreys
FEATURES EDITOR

MIT is a place where lesbian, bisexual, gay, or transgendered members of the community are now not only accepted, they are welcome. The LBGIT Issues Group, a part of the Office of Residential Life and Student Life Programs, recently contacted 6,000 faculty and staff members at MIT, encouraging them to support LBGIT students. Included in the mailing were cards showing the new LBGIT Issues Group logo and the statement "you are welcome here." The recipients were asked to post the cards in their offices, and in doing so would demonstrate their understanding and support. The 'safe space' program is currently in place at several other universities, as well as at AT&T.

"I am tired of being 'tolerated,'" said Professor of Literature Stephen Tapscott. "I used to go to those gay student welcome meetings, and they were happily defensive that we weren't going to get beat up. Over the last few years I have felt more than tolerated. I've been welcomed. That's a good step."

The Issues Group also publishes the Lavender Guide, a comprehensive

LBGT, Page 6

Born Focusing on Affordable Housing

By Sanjay Basu
ASSOCIATE NEWS EDITOR

Cambridge Councilor Kathleen Born '77, running for reelection in this year's city council race, has announced that she will focus her platform on affordable housing, neighborhood preservation, and services for children and families.

The MIT alumna and mother of four children built her political career by working on affordable housing issues, although she refused to sign a recent rent control petition drafted by David Hoicka '77 and other candidates.

Born said that the petition "was not appropriate. At this point, rent control is a state issue and not a local issue. I was a very vocal supporter of rent control before Question 9 eliminated it. I was upset that it was eliminated."

Born added that drafting a rent control measure now would be unconstructive for the Cambridge City Council because the institution of any measure would require state governor approval.

But Born still plans to focus a good deal of her work on affordable housing. "I feel that I have a good handle on the issue and I have the knowledge necessary to deal with it. I have been working with Senator Kerry and our local branch of HUD to preserve the 500 units of housing called Fresh Pond Apartments," Born said. "These are the buildings that are called 'expiring use' homes... The owners of these projects have been

trying to end their affordability and convert them to market rate housing, and that is a real danger for this city."

Born attended a discussion session on affordable housing last week. She sat among a group of about 150 Cambridge residents who were confronting apartment rate increases.

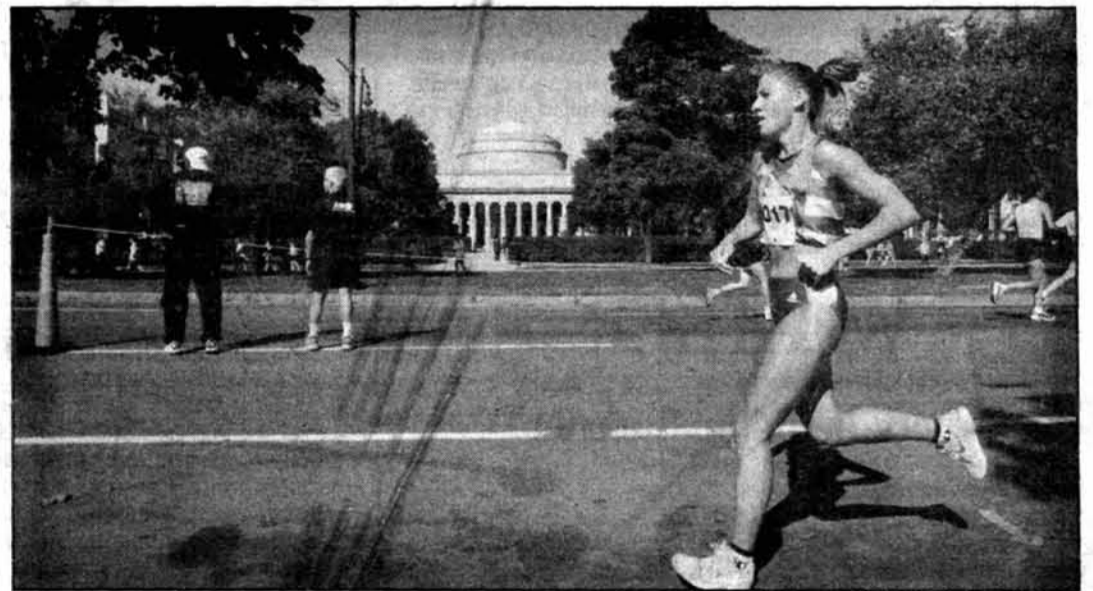
"There was real fear in their faces," said Born. "They're tough people, but the terror of losing their homes is a harrowing dilemma. I consider it my responsibility to ensure that doesn't happen to anybody."

Born has been working to preserve about 3000 remaining "expiring use" buildings in Cambridge, which were developed in the late seventies under Johnson's Great Frontier program. She also stated her intent to double the resources Cambridge devotes to practical goals like the construction of affordable housing.

Relationship of MIT and city

Born said she became active in

Born, Page 30



One of 6500 runners passes Killian Court on Monday. The 23rd Tufts Health Plan 10K race shut down Memorial Drive from the Longfellow Bridge to the BU Bridge shortly after noon. The race started and finished at Boston Common. Libby Hickman of Fort Collins, Colorado defended her USA 10K championship reign by fending off Colleen DeReuck of South Africa (who finished 4th at the 1999 Boston Marathon) in the last moments of the race.
SEPHIR HAMILTON—THE TECH

The Educational Design Project issues a preliminary report recommending changes to the first year experience

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Comics

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REMINDER

Despite yesterday's holiday, classes will follow a normal Tuesday schedule today.

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WORLD & NATION

Mudslides Stir Political Storm

THE WASHINGTON POST

MEXICO CITY

Mexico's devastating floods and mudslides have erupted into a political storm fed by a looming presidential race and instant communications that brought the anguish of ravaged communities to the world's computer screens long before rescue teams arrived on the scene.

The catastrophe, whose death toll rose above 400 Monday, caught the government off-guard and left some communities cut off from help as long as three days. Face to face with irate victims, an exasperated President Ernesto Zedillo was reduced over the weekend to ordering one persistent complainer to "shut up." In one of the hardest hit states, police roughed up and arrested a group of homeless survivors, including women and children, after their protests got out of hand.

Rain and new mudslides continued to frustrate victims and rescuers in one of the country's worst natural crises of this decade. Flood waters have spread to a dozen states, inundating more than 175 towns and cities and forcing an estimated 300,000 people out of their homes.

While the federal government's official death toll Monday was 326, tallies by state governments placed the number of dead at 425, and Catholic Church officials said they expected final count to be near 600.

Israel Confirms Jewish Emigrations From Cuba in Past Several Years

THE BALTIMORE SUN

BEER SHEVA, ISRAEL

Hundreds of Jews have been emigrating from Cuba to Israel over the last several years in a hushed-up arrangement between America's staunchest ally and one of its longest-standing enemies — the government of Israel and Fidel Castro.

Israeli officials confirmed anonymously the arrangement for the first time Monday. Leaders of the already depleted Jewish community in Cuba also confirmed the emigration from Cuba to Israel of more than 400 Jews since the early 1990s, leaving behind approximately 1,000 in Cuba's once-thriving Jewish community.

There was no comment from the Cuban government, which was closed for a national holiday Monday. A leader of the Jewish community in Cuba denied the operation was secret.

"Yes, the agreement exists ...," Raquel Marichal, a member of the executive board of the Cuban Hebrew Community, told Reuters. "But there is no secret emigration."

Some Guard Squadrons Losing Half of Pilots Over Vaccine

THE BALTIMORE SUN

WASHINGTON

Pentagon officials continue to downplay the exodus of military personnel over the anthrax vaccine, despite continued warnings by subordinates that the mandatory six-shot regimen is leading hundreds of National Guardsmen and reservists to resign or seek transfers.

According to interviews and documents obtained by The Baltimore Sun, upward of 50 percent of pilots in some Air National Guard squadrons are resigning or seeking nonflying jobs. Some of the documents describe units "struggling" to conduct missions and training with the "hurdle" of the anthrax vaccine, which some military personnel fear is neither safe nor effective.

Two weeks ago, top Pentagon officials assured Congress that the numbers were small and having little effect on retention or the ability of the military to carry out its missions.

"We do not see any impact that can be directly attributed to the anthrax program," Assistant Defense Secretary Charles Cragin told the House National Security subcommittee. "Concern about anthrax shots is not the determining factor behind a member's decision to withdraw from military service."

And Maj. Gen. Paul Weaver Jr., head of the Air National Guard, also brushed aside reports of those refusing the shots. "So when I hear all these other figures about these mass resignations and what-not, they're just not there," the general told the subcommittee.

WEATHER

Where Is Indian Summer?

By Bill Ramstrom

STAFF METEOROLOGIST

Fast-moving weather systems will provide changeable weather for the area over the next few days. Today and tomorrow will feature pleasant fall conditions, with seasonable temperatures and clear skies. Then a low pressure system moving down from Canada will meet up with moisture from the Gulf of Mexico for a rainy Thursday. While heavy rain seems likely, the storm should move by quickly, ushering in fair skies for Friday.

A frequent October weather feature that has been absent so far this year is Indian Summer. When a high pressure system stalls to our south, westerly or southwesterly winds bring warm, hazy, dry conditions that can often last for several days. Under these conditions, air pollutants often accumulate, helping to give the air a hazy, even brownish tinge. Thus far this season, the consistent eastward motion of weather systems has prevented this.

Tuesday: Sunny with light winds. High 65°F (18°C).

Tuesday Night: Clear and cool. Low 43°F (7°C).

Wednesday: Mostly sunny and a bit warmer. High 69°F (20°C).

Thursday: Rain, perhaps heavy at times, ending by afternoon. High 63°F (17°C).

Friday: Clearing and mild. High 63°F (17°C).

President Clinton Attempts To Postpone Test Ban Vote

By Charles Babington and Michael Grunwald

THE WASHINGTON POST

WASHINGTON

With the Senate poised to reject a nuclear test-ban treaty as early as Tuesday, President Clinton formally asked for a postponement Monday, preferring inaction to the outright rejection of a pact he considers an administration priority.

While some senators welcomed the request as an effort to break the political impasse over the issue, GOP leaders also want assurances that the Comprehensive Test Ban Treaty won't reemerge for consideration before 2001. Neither the White House nor Senate Democratic leaders would make such a promise, and lawmakers said they would proceed toward a vote in which all sides agree the treaty would be soundly rejected.

Still, there appears to be a political way out for those Republicans who are wary of being accused of killing the treaty and those Democrats who would rather see it lie dormant than be voted down. Some senators said they would push for a procedural vote on whether to postpone a ratification decision indefinitely. A simple majority could approve such a move, whereas ratification of the test-ban treaty requires a two-thirds vote, or 67 senators.

The treaty is thought to have fewer than 50 Senate backers, mostly Democrats, but a number of Republicans who oppose it have said they do not want to see it defeated in a vote that could embarrass the United States around the world.

"We're at an important threshold in history," said Sen. John W. Warner, R-Va. "It's in the national security interests of this nation not to have this vote right now."

Clinton long has argued the importance of the treaty, which would prohibit all tests of nuclear bombs and establish monitoring stations and sanctions throughout the

world. But the White House appeared to be caught flat-footed last month when Senate GOP leaders suddenly scheduled a debate and vote on the pact, which Clinton had signed in 1996.

Unable to attract more than a couple of Republicans, who hold 55 of 100 seats, Clinton last week began urging the chamber to postpone action and allow for weeks or months of debate. Monday he put the request in the form of a letter to Majority Leader Trent Lott, R-Miss., and Minority Leader Thomas A. Daschle, D-S.D.

"I firmly believe the treaty is in the national interest," Clinton wrote. "However, I recognize there are a significant number of senators who have honest disagreements. Accordingly, I request that you postpone consideration of the Comprehensive Test Ban Treaty."

Senate GOP leaders indicated they would postpone a vote only if Democrats agreed that the treaty issue would lie fallow at least through the 2000 elections. "This written request is merely a first step," said Lott spokesman John Czwartacki. "As the majority leader has stated all along, not only must the treaty be withheld from consideration at this time, an agreement must be reached that it not come up again any time in this Congress."

Publicly, at least, White House officials refused to make such a promise.

"People have real concerns that we can't predict the international environment over the next 18 months," said administration spokesman David Leavy, noting that Pakistan and India recently tested nuclear weapons. "To put a sign on U.S. policy to say we're closed for business is not the best way to advance our nonproliferation agenda."

Senate Democrats said Clinton's letter should satisfy all parties. "This should be an easy call," Sen. Joseph R. Biden Jr. (Del.), the Foreign Relations Committee's

ranking Democrat, said in a statement. "The president has asked for a delay. Most Democrats and many Republicans support a delay. It's clearly in our national interest to put off this vote without any further wrangling. I hope the Senate puts the national interest first."

Sen. Chuck Hagel, R-Neb., said he opposes the treaty but may vote with Democrats to postpone a ratification showdown, even if there's no promise about next year.

"I think a bipartisan majority agrees that we need time to work our way through this," said Hagel, a frequent critic of the GOP leadership. "If this gets down to a test of political manhood between Senator Lott and the president, that's just not responsible governance. This is too important for the world."

Clinton says ratification is essential to secure the United States' nuclear arsenal superiority and to prod other nations — including Russia and China — into ratifying. Fifty-one nations have ratified the treaty, including 26 of the 44 nuclear-capable nations whose ratification is required before the treaty takes effect. Supporters say detection would be sufficient to halt virtually all nuclear testing, which the United States voluntarily ended several years ago.

Opponents say the treaty would keep the United States from modernizing its nuclear arsenal while other countries made progress toward nuclear capabilities, either by defying the ban or testing without detection.

Some pro-treaty groups feel the White House didn't lobby hard enough for the pact over the past two years and was caught unprepared.

"They just completely dropped the ball," said Gordon S. Clark, executive director of Peace Action, which calls itself the nation's largest grassroots peace and disarmament group. "You can't say it's a top priority for foreign policy and then do nothing with it for two years."

Proteins Researcher Wins Nobel Prize for Medicine or Physiology

By Thomas H. Maugh II

LOS ANGELES TIMES

A German-American researcher who discovered how the body puts addresses on individual proteins so that they arrive at the correct location has been awarded the 1999 Nobel Prize for medicine or physiology.

Dr. Guenter Blobel of the Howard Hughes Medical Institute at Rockefeller University in New York City found that each of the 1 billion protein molecules in a single cell bears a short address tag. The tag indicates that it belongs in the nucleus, the cell membrane, the cytoplasm or elsewhere, or that it should be secreted outside the cell.

With such tags, the cell runs like a well-organized factory. Without them, it would be like an earthquake-damaged warehouse with cellular components scattered uselessly about.

The discoveries have helped scientists unravel the causes of several genetic diseases, including cystic fibrosis and familial hypercholesterolemia, according to the Nobel Foundation citation. When proteins are sent to the wrong location by a defective tag, they cannot perform their customary function and can produce disease.

In familial hypercholesterolemia, for example, a very high level of cholesterol occurs in the blood

because proteins that would normally remove it are not where they should be. Understanding why that happens, Blobel noted, is the first step toward developing a treatment.

The findings have also contributed to the development of a more effective use of cells as protein factories for the production of important drugs.

Blobel's "work has led to an explosion of knowledge on the (movement) of proteins in the cell, and even on the way some kinds of drugs may be introduced into cells," said Marvin Cassman, director of the National Institute of General Medical Sciences in Bethesda, Md.

Blobel, a 63-year-old native of Waltersdorf in what was then Germany but is now Poland, has worked in the United States since the early 1960s and became a U.S. citizen in the 1980s.

He said Monday that he will contribute the \$960,000 prize toward the restoration of a synagogue and the famed Frauenkirche (Church of Our Lady) in Dresden, Germany, a city that was destroyed by Allied firebombing when he was 8. At a news conference, he described how, as a child, he viewed the city's skyline just before the attacks began and later after the terrible destruction had been wrought.

"It left a tremendous impression

on me," he said.

Blobel is a founder of Friends of Dresden Inc., which has already raised more than \$1 million for restoration of historic structures in the city.

Blobel was cited for work that, for the first time, explained how the internal structure of cells is maintained — particularly with respect to proteins. Proteins are complex molecules, composed of amino acids, that are the primary building blocks for construction of a cell. They also carry out chemical reactions — such as the construction of other proteins — and serve as signaling agents.

Before Blobel's work, it was unknown how newly made proteins were directed to their correct locations in the cell and how large proteins could traverse the tightly sealed membranes surrounding individual structures within the cell. About the only thing that was known, according to Dr. Donald Steiner of the University of Chicago, was that newly synthesized proteins were a little bit longer than expected.

Blobel cautioned that his discoveries do not have the immediate medical implications of some other Nobel prize winners. "It's not a cure for AIDS, it's not a cure for Alzheimer's," Blobel said. "It's basic biological research."

Labor Endorsement a Victory For Struggling Gore Campaign

By Jonathan Weisman
THE BALTIMORE SUN

WASHINGTON

Sparing Vice President Al Gore a major political embarrassment, the 13 million-member AFL-CIO appears likely to endorse Gore over former Sen. Bill Bradley Wednesday for the Democratic presidential nomination.

Gore, who once took the powerful labor federation's early support for granted, plans to appear in person at the AFL-CIO's convention in Los Angeles to pick up the coveted endorsement.

The endorsement, a major victory for the vice president's limping campaign, would be the federation's earliest since its leaders backed Walter Mondale in 1983 in his campaign against President Reagan.

Federation leaders announced Monday they would almost immedi-

ately launch a \$40 million effort to mobilize political support for their preferred candidates in the 2000 election. Rather than plow union money into political attack advertisements, AFL-CIO political leaders hope to energize their members at the grass roots.

But perhaps more importantly, an AFL-CIO endorsement would grant Gore a respite from the bad news that has dogged his campaign. Gore aides have stressed for months the importance of the labor endorsement.

"Obviously, it's something the vice president's campaign expected, anticipated, and told everyone they would get," said Anita Dunn, a campaign adviser for Bradley, Gore's only rival for the Democratic nomination. "So it's not really a surprise."

Bradley, however, had lobbied strenuously to block an early

endorsement of Gore. He personally implored union leaders to delay the vote, hoping his campaign's momentum would eventually persuade them that he was the Democrats' best hope for keeping the White House for another four years. Gore convinced the AFL-CIO's senior leadership that he needed organized labor's support now in order to prepare for a front-loaded primary-and-caucus season that is expected to be decided by March 7.

And AFL-CIO President John Sweeney, playing a decisive role, pushed his organization's member unions to endorse the vice president. Sweeney, a Gore ally, "really leaned into it," a Gore aide conceded, privately twisting arms, then publicly declaring that Gore had wrapped up the endorsement.

Bradley aides refused to concede defeat in the endorsement fight.

Russian Prime Minister Demands Extradition of Guerrilla Leader

By David Hoffman
THE WASHINGTON POST

MOSCOW

Prime Minister Vladimir Putin Monday all but rejected calls for negotiations with Chechnya in response to appeals from Chechen President Aslan Maskhadov as Russian artillery and bombs continued to rain down on the separatist region.

Putin, responding to Maskhadov's weekend appeals for peace talks, told reporters that Chechnya must first "extradite" guerrilla commander Shamil Basayev, whom Russia has called an "international terrorist."

Maskhadov had offered a peace plan under which he promised to crack down on warlords in the breakaway region after Russian troops pull out, and he suggested

reviving negotiations on a Russian-Chechen peace accord.

"I view it in a positive light, but I would change the priorities," Putin said in response to Maskhadov's proposal, insisting Basayev must be turned over first. "Give us the men whose hands and arms are stained with blood and we will be prepared for full-scale talks."

Basayev, a leading Chechen commander in the 1994-96 war against Russia, led an August incursion into neighboring Dagestan, which reignited the conflict with Russia. Russians have accused him and others of organizing the apartment bombings last month that killed nearly 300 people in Moscow and other cities.

Putin's demand for Basayev is certain to be rejected. Basayev is one of several powerful Chechen

warlords who have eclipsed the weakened Maskhadov, and Basayev was recently named a top military commander in the besieged Chechen government. Moreover, even before the latest conflict, plans for a meeting between President Boris Yeltsin and Maskhadov drifted for months and never came to fruition.

Putin had often said before the latest hostilities that Chechnya's problems could not be solved by force. Now, Russia has put 50,000 armed men into a horseshoe-shaped cordon around most of the region and is engaged in sporadic combat with Chechen fighters while pummeling it daily with bombs and shells. Putin acknowledged Monday that "problems of a political nature can only be solved by political talks."

Premium Increases May Give HMOs a Boost

THE WASHINGTON POST

WASHINGTON

Despite the fact that many offer low premiums, require minimal paperwork and have low co-payments, many federal workers — and most retirees — continue to shy away from health maintenance organizations.

The debate on managed care has refocused the limelight (not always kindly, or accurately) on HMOs.

But fear of HMOs could change next year as policyholders, worried about the average 9.3 percent increase in premiums, take another look at premiums charged by some HMOs.

About 30 percent of enrollees in the federal employees health benefits program are in a managed-care HMO. In the federal health program, HMOs have traditionally offered the best dental coverage (with some paying for up to half the cost of many procedures). They are also rated highly for maternity benefits, well-baby care and preventive maintenance.

But most HMOs restrict the choice of doctors and facilities (more than fee-for-service plans) and their coverage is local. HMOs will cover emergencies out of the area, but otherwise require policyholders to adhere to local HMO rules, visit selected local doctors and hospitals and practice managed care.

The average 9.3 percent federal health premium increase in January has unnerved many feds — and especially retirees. But that's an average. Some plans will go up, some down.

Housing Funds for AIDS Patients Unveiled at Los Angeles Conference

LOS ANGELES TIMES

LOS ANGELES

With an unprecedented gathering of women infected by the AIDS virus under way in Los Angeles, city and federal officials said Monday that millions of additional dollars will be spent in minority communities fighting AIDS.

Ferd Eggan, director of AIDS programs for Los Angeles, said the municipal Housing Authority has just sent to the City Council a proposal to spend \$8.3 million in federal housing subsidies made available this summer by the Clinton administration. After the City Council approves the allocation, the money will be disbursed, Eggan said.

"The money has now been allocated, mainly in the form of rental subsidies," Eggan said during a break in the four-day 1999 National Conference on Women and HIV/AIDS being held at the Los Angeles Convention Center.

The convention attracted more than 1,000 women infected with the AIDS virus, the largest such gathering ever, convention sponsors said. Since 1992, the number of women living with AIDS has jumped from 13.8 percent of all AIDS cases to 24 percent. The convention ends Tuesday.

Eggan's agency was stung by criticism in a recent Los Angeles Times story reporting that the city was sitting on \$17 million while minority communities are being hit hard by an AIDS epidemic that has created, among other problems, a shortage of housing for HIV-positive patients.



The MIT Graduate Student Council

office: Walker Memorial, 50-220 (above the Muddy)
phone: 253-2195
website: www.mit.edu/activities/gsc
email: gsc-request@mit.edu

GSC HIKING TRIP WHITE MOUNTAINS, NH SATURDAY OCT. 23, 7AM-9PM

Tickets on sale now at the GSC office (50-220) at \$15 per person. Ticket sale hours are Tuesdays and Wednesdays 10am-2pm. One guest per graduate student. Please call 253-2195 before going to pick up tickets. Check preferred.

FRIDAY SOCIAL FOR GRADUATE STUDENTS!

Enjoy an evening of food and fun

October 15

5:30pm at the GSC (50-220)

Proper ID Required

October - Calendar

- 14 Funding Appeals Application Deadline
- 15 GSC Social (5:30pm)
- 19 Housing and Community Affairs Committee Meeting*
- 20 GSC Representatives Orientation (5:30pm)
- 21 Academic, Research, and Careers Committee Meeting*

November

- 3 General Council Meeting*

Reminder: New reps take office on October 15. please submit your forms as soon as possible.

All graduate students are welcome. Food is provided.
* @ 5:30 in 50-220 (above the muddy)

OPINION

Letters To The Editor

UROP Comments Unjustified

Regarding Robert Ragno's piece "UROP Troubling" in the October 9th issue, I am frankly appalled. First of all, I have no deep feelings regarding the UROP program either way, and though I do not agree with his opinion, his opinion is not what bothers me. It is the absolute garbage with which he backs up his claim that does.

His first qualm is that the students are being exploited by the Institute by not being paid their worth. He then says that they are nothing but inexperienced children. Neither of these contradictory statements are justifiable. I find it hard to believe that hiring students is making it difficult for practitioners in an industry that is facing a shortage of talent on the order of 300,000 unfillable positions in the next several years. And if indeed these jobs are so meaningless, then why is it not wrong to inflict these tasks on better educated professionals? There are less than one million total professionals who are currently unemployed in the United States. Of this million, those working in IT are only a small fraction. I understand the

vague nature of his wording, but he was wrong by several orders of magnitude.

Further, Ragno should not begrudge this unique chance for many students to earn the money off which they live because it conflicts with his convoluted sense of intellectual morality. Also, the UROP minimum wage of \$8.00 per hour is far beyond what the average college-age American is paid in any job.

From my experience with the UROP program, I find that the programs often help the student more than vice versa. I applaud the professors who make such an effort to provide these experiences for the student. The hands-on experience is invaluable, and if the professor happens to gain in the process, then all sides gain. This is how it works in a free society. UROP is not even compulsory. Such outrage is completely unjustifiable.

I personally find Ragno's comments highly offensive and demeaning to undergraduates, as well as to the informed reader who should not tolerate blatant misinformation.

Benjamin Ho '00

A Letter of Thanks

On behalf of the MIT Republic of China

Student Association (ROCSA) and Association of Taiwanese Students (ATS), we would like to express our thanks to the MIT community for supporting the Taiwan earthquake relief effort. During the five days (9/26-10/1) of fundraising, the MIT community contributed \$4905.88 and filled a large card with signatures and warm wishes expressing condolences. The money has been sent to the National Red Cross Organization of Taiwan to be used in the earthquake relief effort and the card has been delivered to the people at Taiwan via a national newspaper. The success of this event has demonstrated strong friendship between the American people and the Taiwanese people. Your support and generosity are greatly appreciated at a difficult time like this.

Bruce Yu G
ROCSA President

Tony Chen G
ROCSA Treasurer

Min-Hank Ho '00
ATS President

David Lee '01
ATS Treasurer



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Bring Human Rights to Foreign Policy

America Must End Training of, Cooperation with Dictators, Abusers

Michael J. Ring

The graphic and sickening pictures of violence flowing out of East Timor should have been more than enough evidence for the termination of all military cooperation with Indonesia. President Clinton has responded, issuing an edict suspending the United States military from working with that nation's forces.

But evidence coming to light this week indicates the spirit of the edict has not been followed. A *Boston Globe* report found that Indonesian Army recruits are still being trained at Norwich University, a private military college in Vermont.

Many of the Indonesian students training at Norwich are part of Kopassus, the Indonesian special-forces unit which waged a campaign of terror on the people of East Timor. Charred villages, executed civilians, and a displaced populace are a few of the horrific fruits of that campaign.

It is embarrassing enough that United States cooperation with the Indonesian military and Kopassus provided some of the training from which the Indonesian military waged war on East Timor. But that Norwich would continue a training program for these murderous rogues after their unprovoked attacks on East Timor is absolutely disgraceful.

Understandably, some members of Congress are upset over this revelation. Representative James McGovern, D-Mass., and Senator Tom Harkin, D-Ia., argue to Secretary of Defense William Cohen that the Kopassus training at Norwich "is in direct violation of congressional prohibitions on US military assistance and training of military committing human rights abuses." Additionally, McGovern and Harkin have urged Cohen to remove all members of the Indonesian military studying in the United States and return them to their home country. This suggestion should be carried out immediately.

Unfortunately, our dalliances in Indonesia represent only the tip of a very dark and deep iceberg regarding United States military

cooperation with other corrupt dictatorships around the world. Time and again, United States military training has allowed murderous dictators to seize power.

The United States Army owns and operates a factory churning out serious abusers of human rights. Named the "School of the Americas", the facility at Fort Benning, Georgia has hosted many of Latin America's worst violators of human rights.

A list of graduates of the School of the Americas reveals the shameful story. General Manuel Noreiga, later arrested by United

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States invaders on drug trafficking and racketeering charges, is also suspected of murder. Many Argentine graduates of the School of the Americas were involved in that nation's "dirty war" of 1976-1983 involving political repression, torture, and the execution or disappearance of 30,000 civilians. School of the Americas graduates filled the cabinets of military dictatorships in Guatemala throughout the 1980s. Several graduates are suspected in the murder of El Salvador's Archbishop Oscar Romero in 1980 and the rape and murder of four American churchwomen in that nation. Other less notable cases, including peasant executions in Colombia, political arrests in Paraguay, and drug trafficking in Bolivia, are far too numer-

ous to mention all of them here.

Representative Joseph Moakley, D-Mass., has filed a bill seeking that the School of the Americas be shuttered for good. The bill has attracted over 150 co-sponsors. A similar bill has been introduced in the Senate by Senator Richard Durbin, D-Ill. These bills desperately deserve passage.

While closing the School of the Americas is an important step toward improving human rights in foreign nations and American relations with other countries, it will not alone effect the needed changes. The military and private training organizations such as Norwich University must pay special heed to two additional clauses in Moakley's bill further governing United States military cooperation with other nations.

The bill urges the Secretary of Defense to "substantially increase emphasis upon respect for human rights, the proper role of a military within a democratic society, and

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accountable and transparent management of defense and security policy; and vigorously implement Department of Defense regulations regarding the screening of foreign candidates... to ensure that the United States does not train individuals implicated in human rights abuses, illegal drug trafficking, or corruption." Those in America training soldiers for other nations need to take this advice to heart and terminate any relationship that would reasonably result in civilian harassment and oppression.

As many formerly-underdeveloped nations modernize around the world, the United States must seek to keep warm and open relations with them. America has a special role in encouraging political freedom in these nations. Preparing military dictators can only harm our relationship with other countries and embitter their populaces with hostile attitudes toward the United States. It is time for this charade to end.

The United States must close the School of the Americas, and the government and private training organizations must end cooperation with regimes abusing the human rights of their citizens. Only with these actions will the United States be able to carry its mantle as protector and guardian of human rights into the problems and conflicts of the future.

A History of Bad Decisions

Veena Thomas

What is MIT's administration thinking?

I know that I am the nth person to complain about the administration. But has anyone actually stepped back and paid close attention to the frightening trend of poor decisions and a severe lack of concern about the students?

First of all, we have the oft-discussed all-freshmen-in-dorms-in-2001 edict. Obviously this upset the vast majority of the student body, dorm residents and FSILG residents alike, and caused many conflicts regarding ways to establish this policy. Some of the proposals raised in the past several months have been doomed from the start.

One such proposal involved changing Ashdown House to a mainly freshman dorm, and converting MacGregor House to graduate housing. Did anyone stop and think about the students that live in those houses? Those living in each house chose their residence for a reason: graduate students know about Ashdown's community spirit, and undergraduates wanting a single move to MacGregor. Did the Residence System Steering Committee expect MacGregor residents to say, "You know what? I might have chosen MacGregor as my dormitory of choice. But I'm really happy with the proposed switch. I didn't want a single anyway?"

Luckily the RSSC dropped that proposal, confronted with strong negative reactions, an alternate proposal from Ashdown students, and at least 75 percent of MacGregor residents in opposition to the plan. But the current proposal still leaves open the scary prospect of unhappy sophomores apartment-hunting because they have been forced out of the dorm system.

Take another example. In the spring of 1999, MIT decided to renew Aramark's dining services contract and eliminate students' hopes of better food. Admittedly, MIT had made a positive step by deciding to divide up the campus into two dining zones. But then they hired Aramark to manage both the

zones! The whole point of having two dining zones was to force Aramark to re-apply for the contract, and then hire two separate companies. This would have eliminated the Aramark monopoly and increased competition, hopefully resulting in lower prices, better food, and a happier student body. But judging from past and current actions of the administration, it would be wrong of me to assume that a happier student body is a top priority at MIT.

Let's examine yet another example. Recently the athletic department, citing bud-

Is it any wonder why some are not proud of attending a school with a history of demonstrating its lack of commitment to the students?

get constraints, decided to cut all junior varsity teams and to cut varsity teams to the bare minimum needed to compete. Not surprisingly, this created yet another uproar in an already-stressed student body. A large number of MIT students compete(d) on athletic teams for fun, sport, and as an outlet for stress and an escape from academics. I don't know of any of these students happy with these cuts. The morale of the remaining athletes on the teams, not to mention the students told they can no longer compete, has been hurt as well.

I don't believe we can place blame on the athletic department. Faced with a limited budget, they believed it was a better solution than cutting some teams entirely and redistributing the money among the remaining teams. But why was it necessary to make such a decision? Again, it is due to the administration. The athletics budget has remained unchanged since 1987. That's twelve years with no additional money to support an ever-growing pro-

gram. Yet during those same years, MIT apparently had enough money to subsidize any losses suffered by Aramark, some undoubtedly a result of unhappy students refusing to eat there.

Interestingly, this lack of financial support for athletics is not evidenced by the importance MIT places on its sports teams, judging from the admissions literature. MIT takes pride in informing potential applicants that we have the most varsity teams (41) of any university in the country. Well, thanks to the MIT administration, we now have the fewest junior varsity teams of any university in the country: zero. Try saying that in the admissions literature. School spirit is low, as evidenced by the Viewpoint in *The Tech* on October 5. When questioned "What do you think about school spirit at MIT?" students responded rather disturbingly: "It's fake," "I don't think there's much, but there's potential for improvement," "It's not very high," "I think it's becoming existent," and "We're not always proud to tell people we go here."

Is it any wonder why some are not proud of attending a school with a history of demonstrating its lack of commitment to the students? Then President Vest wonders why "there has not been the same level of tradition and expectation of giving back that's become inculcated in people from the Ivy League universities." Perhaps it is because the Ivy League schools keep the interests of their students in mind when they make decisions. Maybe it's because graduates of Ivy League schools do not feel slighted and ignored by their administrations.

MIT should not blame alumni for refusing to donate money without first taking a hard look at the lack of support it shows for its current students. The administration cannot wait until after its students graduate to try and establish good relations and rapport with them in hopes they will donate money to the Institute. If the administration continues with its lack of concern for us, in another twenty years alumni donations may cease altogether. Let's hope no one has the nerve to ask why.

Cry of The Faithful Reductionist

Gábor Csányi

I recently read an essay by John Horgan, author of "The End of Science", in the September 18, 1999 edition of *New Scientist* about his latest book, "The Undiscovered Mind". He proposes that if the problem of understanding the human mind might lie outside the limits of science, then it may never be solved by the traditional reductionist methods.

When confronted with such statements, my first reaction is to probe the source for an explanation of what he or she means by "solve" and "understanding". Horgan passes this hurdle effortlessly by citing many sources from neuroscience, and sets the criteria at being able to predict and explain human behavior and diversity (in particular, mental illnesses). However, his outlook is very bleak. He entertains the possibility that there may be no explanation of these phenomena that we can find in the scientific realm, and advises us to pursue a more literary approach to the problem of the mind. I will explain below why I think that a training in the natural sciences is incompatible with the acceptance of such a view.

Let us take a pedagogical example in trying to understand the way science works. Imagine a very large smooth table with balls rolling around. If we observe the way the balls move and interact with each other, we can discern patterns of their motions. We are conducting an experiment. Soon, just as Newton did, we can formulate a model which enables us to predict the motions of the balls in advance. As we all know, this model will incorporate concepts like conservation of energy and momentum, and a few other things, depending on how complicated our setup is.

Like every model in science, this one too has its limitations. By a stretch of the imagination, let us suppose that we can test the limitations simply. We find out that our model is really very good, unless the balls are moving too fast, or they are too small, or they are too sticky. In all these limits, we can see our model fail, and thus we can establish its range of validity.

Now suppose that we take our mathematical model as applying to, say, one hundred balls and show it to our mathematician friend. He will stare at our gigantic system of equations in horror, and, as a first reaction, will ask us for some evidence that the equations in fact have any solution at all. We need not worry. We know they do, simply because if we let the balls go, they do something. It is impossible that they do not. This feature of our model is very special, and it differentiates it from a random jumble of equations which might not have a solution. There cannot be some mysterious property of nature which tricks us and in fact leads to no solution of elementary mechanics in the case of one hundred balls.

The power of reductionism, the method of explaining phenomena in terms of ever-simpler and interacting objects, lies in its strict relationship with experiment. Our model of mechanics operates with the concepts of speed and position. Because these are measurable quantities, it is impossible that the balls could not be described in terms of these quantities. It is impossible for a ball not to have a position or speed. Again, we have to be careful that we stay inside the stated (indeed measured) limits of our model. It is important to understand that quantum mechanics and relativity do not replace Newtonian mechanics in the sense that the latter would not be true anymore. Rather, quantum mechanics extends our knowledge beyond the limits of the original theory.

I believe this argument can be extended to any system that is studied by natural science. Let us take the brain for example. If we believe that the constituents of the brain are neurons which interact chemically and electrically, then it is impossible that the brain cannot be described using these objects. Now some people believe that neurons and their classical interactions are not enough to describe the brain. In particular, Roger Penrose speculated that quantum mechanics may be involved in the workings of the mind. This is a very legitimate question. But it has to be investigated on the level of the components of the brain. Experiments have to be carried out which establish the existence or non-existence of non-classical interactions. Before this is done, no one has the right to claim that the brain cannot be explained using the currently available components. Certainly the lack of an explanation today, which is what John Horgan is complaining about, is not a valid argument.

FEATURES

You Are Welcome Here MIT Provides a 'Safe Space' for LGBT Students

LGBT, continued from Page 1

pamphlet (available online at <http://web.mit.edu/lgbt>) which has information about queer-friendly restaurants, clubs, MIT groups and queer-studies classes, and many health, social and emotional support resources around the area. Additionally, the group assists LGBT people by "providing a mechanism for us to be part of a community," said Ricky Gresh, Coordinator, Residential Programs.

The group was founded five years ago to work with the many specialized LGBT groups on campus. "The baseline where we started was to let the student groups know there was someone interested in advising them," said Gresh. The group also works to increase communication between the many organizations and to improve coordination of their support and education efforts. Gresh said this unity is necessary, especially in times of crisis, such as following the deaths of MIT student Michael P. Manley '02 and a Boston-area transgendered individual last year.

MIT provides support

The MIT administration has, in recent his-

tory, been very supportive of the LGBT community. For example, health benefits are provided through MIT medical for same-sex partners, a service not offered at many universities or health insurance companies.

Many specialized groups on campus provide support and education. GABLES (Gay, Bisexual, and Lesbian Employees and Supporters) is geared towards for faculty and staff, GaMIT (Gays, lesbians, bisexuals, transgenders, and friends at MIT) and FAQS (Friendly Alliance of Queers and Straights) towards students. Graduate students can look to the Graduate Student Coffeehouse, and Sloan students are served by Sloan LGBT. BGALA (Bisexual, Gay, and Lesbian Alums) exists to aid alumni.

The coffee house hosts speakers and shows films, GABLES members meet for lunch, Jeremy D. Sher '99 found the GaMIT coming out support group especially helpful when he was coming out to his parents.

The MIT policy of non-discrimination includes sexual orientation, and harassment is not tolerated. There are two notable exceptions to this policy: participants in the ROTC program and transgendered individuals

Appended to the Non-Discrimination Policy is the statement: "The ROTC programs located on the MIT campus are operated under Department of Defense policies and regulations, and do not comply fully with MIT's policy of nondiscrimination with regard to sexual orientation. On the recommendation of the faculty, MIT is working to develop a modified on-campus ROTC program open to all MIT students." This protest began in 1990, and has continued throughout the decade. Students have been dismissed from the program because of their sexual orientation. James D. Cain, Assistant Professor of Literature, cites this discrimination as one reason students may be hesitant to be openly gay, as they "risk being financially impaired" if their benefits are revoked.

Additionally, "MIT's nondiscrimination policy mentions 'sexual orientation' but fails to mention 'gender identity,'" said Bassam G. Kassab G, French house graduate resident tutor and former president of the Graduate Student Coffee House. "A nondiscrimination statement

their peers to be generally accepting of their decision. Certain living groups have even designated themselves as LGBT friendly in the "Living Pink" residence guide, available online at <http://web.mit.edu/lgbt/www/pink-guide.html>. Sher, a former Next house resident, was concerned about coming out somewhere which was "not the sort of place with rainbow flags everywhere" (Next House is one of many living groups not included in the Living Pink guide). However he found no drawbacks to coming out. "I got all positive responses. Everybody was very supportive.

But it was difficult to do, because I didn't know what to expect."

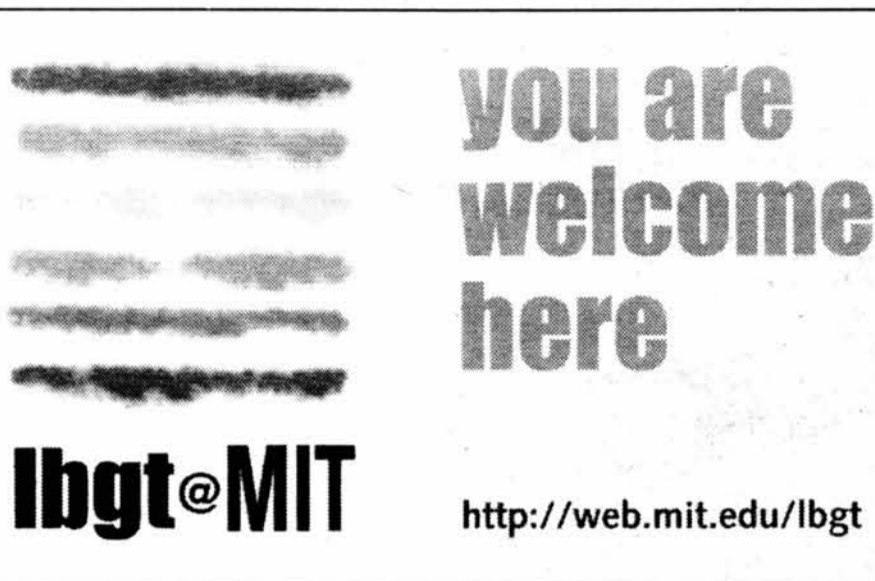
Professor of Foreign Languages and Literatures Edward Baron Turk attributes this willingness to accept others to the general character of MIT community members. "The MIT student body is made up in large part of people who have a good idea of who they are. They tend to be individualists. People like that tend to be more accepting of difference in themselves and others."

Institute has changed with the times

MIT as not always been as understanding of LGBT issues. In the fall of 1971 the Student Homophile League were not permitted to hold a gay mixer on campus. Dean for Student Affairs, Dan Nyhart explained his decision to deny the mixer. "He stated he was worried about the possibilities of seduction at a mixer such as that proposed and cited the 'observable unhappiness that homosexuality brings to many persons.'" ["GA stalls vote on gay rights" September 25, 1970] Nyhart was also reported as calling homosexuality a disease, a statement he later apologized, "saying that the word referred only to what he called 'compulsive' homosexuality and adding that he would prefer the word 'aberration.'"

MIT became more open as homosexuality grew more acceptable in society, eventually bringing the Institute to its progressive position today. However Turk feels that "the goals of full justice and equality have not been reached."

Gresh agrees, asserting that "there is a long way to go. Over the past year I have heard of incidents in the dorms or graffiti in bathrooms. So there is still education to do."



SPOTLIGHT OF THE WEEK

LINKS

By Aaron Mihalik
STAFF REPORTER

The MIT Public Service Center offers a collection of programs for students interested in volunteering and can cater to almost any community service interest a student might want to pursue. One of the PSC's programs is LINKS, designed specifically for students who are interested in teaching science to children.

LINKS puts MIT students into Cambridge school classrooms to teach children about science. Volunteers participate in activities ranging from accompanying students on field trips to becoming a teacher's aide or teaching a lesson to the students. The students' grade level ranges from kindergarten to 8th grade.

Mark G. Duggan '92 started links in 1992. "His vision was for LINKS to be a spin-off of City Days," said Zhelintence L. Scott '01, program coordinator for LINKS. "[He wanted] a way to maintain a long term relationship with the Cambridge teachers and students."

When the program was first established, there were somewhere between 150-300 volunteers. Since then, the program slowly lost membership. However, Scott is optimistic about this semester.

"This term the program is being revitalized," said Scott "We are adding a training component." This training involves a Cambridge school teacher coming in to discuss the elementary school science curriculum and to prepare students for the classroom.

"Often times volunteers have complained about not knowing what was expected of them and doing things that were not really science related," said Scott. "This year we are emphasizing the science focus"

Also, the head of science curriculum for the Cambridge schools is actively participating in LINKS. "She has been helping us with the training sessions and contacting the teachers in the Cambridge schools," said Scott "Basically, making sure that the teachers and the students are connected."

The students and volunteers who participate in LINKS find it to be a rewarding experience.

"The students were great. They really appreciate the time you take out of your schedule to teach them something they didn't know before," said Scott. "And they're really receptive."

"Some of them like to put you on the spot," admonished Scott. "But you have to show them who's boss."

Volunteers spend one to three hours a week in the classroom. The commitment spans over one term. LINKS has sign-ups in the fall and spring semester. Students interested in volunteering can e-mail LINKS at mit-links@mit.edu.

based on gender identity doesn't only protect pre-operational and post-operational transgendered people but it also protects any straight, gay or bisexual man or woman who chooses to dress, talk, or walk, in a way nonconforming to the prevailing social standards."

Community accepting of LGBT members

The campus climate is generally accepting of LGBT people. Thomas F. de Frantz, Assistant Professor of Music and Theater Arts said people have "a seriousness about personal issues and privacy issues" at MIT, but he emphasizes that "there is a tension at MIT because there are so many committed religious groups that are opposed to homosexuality."

Brenda Cotto-Escalera, Associate Professor of Music & Theater Arts says of the LGBT community: "There is much more visibility than when I got here six years ago." This ever-changing nature of the LGBT community is also visible in the active population itself. Cotto-Escalera teaches a queer-identity freshman seminar with de Franz which last year was entirely male, and this year consists of only females.

Students who have come out have found

LGBT Sponsors Coming Out Week

By Sonali Mukherjee
STAFF REPORTER

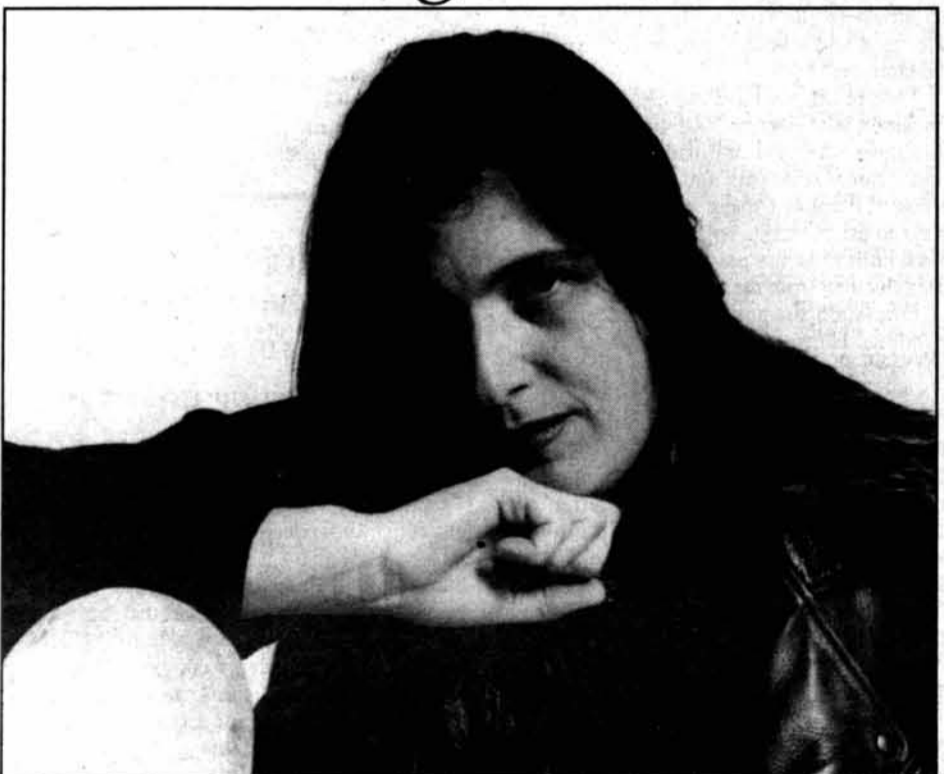
From October 10th to October 16th, the lesbian, gay, bisexual, and transgendered student groups at MIT are sponsoring several events to commemorate the annual Coming Out Week. These discussions, forums, and lectures are intended to open up the MIT student and faculty community to the issues that often surround homosexuality in the college environment.

One of the highlights of Coming Out Week is the annual Rainbow Reception, which is being held on Friday, October 14 in the Talbot Lounge at East Campus from 4 to 6 p.m. This event is open to all members of the MIT community, regardless of their sexual orientation, and it is intended as a forum to discuss how gay students can come together and gather their resources to become a more forceful movement on campus.

Susie Bright to speak

On Friday, October 15th, in the Wang auditorium, the Women's Collective is sponsoring a lecture entitled "Full Exposure." The guest lecturer, Susie Bright, firmly believes in many left wing ideas of American sexuality in the 90's. A self-proclaimed bisexual, Bright has broken free from the strict views held by her Catholic family to become one of the foremost "sexperts" on feminist eroticism. The author of such books as "The Sexual State of the Union" and "Full Exposure," and a columnist for *Playboy Online*, the internet literary magazine *Salon*, and the *New York Times Book Review*, she has put into print her very basic views about sex: it should be considered as more than just "a way to make babies."

However, her attitude towards more traditionally minded people is quite scathing. An article from *Southern Voice* says that Bright is upset by the behavior of today's mainstream



JILL POSENER

Author Susie Bright will be speaking as a part of Coming Out Week

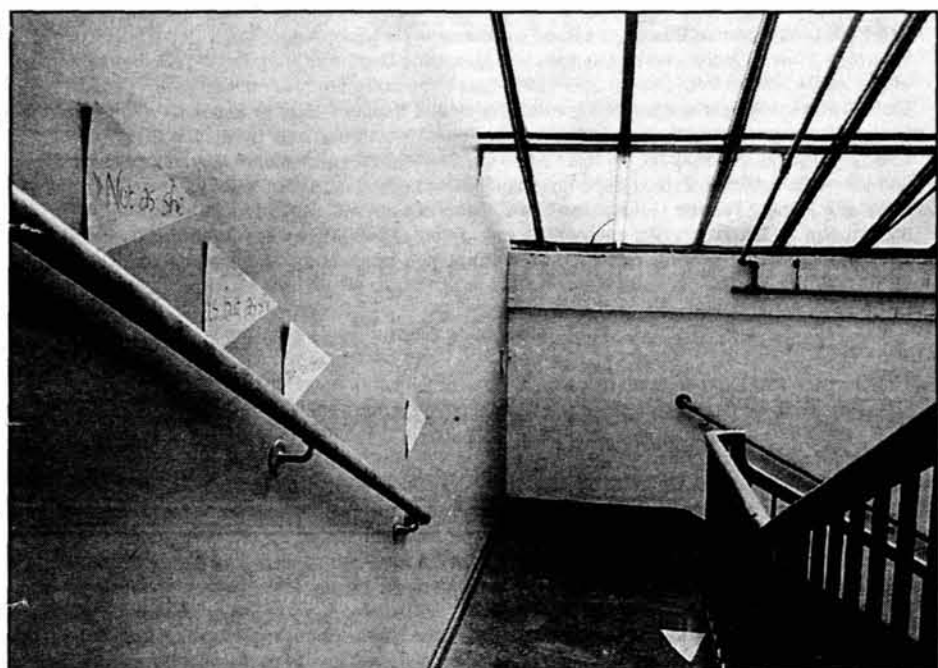
youth. "Bright said she and her peers frequently find themselves 'talking about some teenager you met who is such a right-wing asshole you couldn't believe it. Why aren't they rebelling against their parents? Why are they into abstinence for God's sake? Why are they talking about mutual funds instead of getting laid?'"

While this may not be the idea that LGBT is trying to promote at MIT, they invited Bright to speak because she is enthusiastic about gay, bisexual, and lesbian college stu-

dents because they have no inhibitions about asking questions. "As outrageous as some of the students' questions can be, it's their lack of self-consciousness that keeps me coming back for more. They think that sex matters, politically and personally; in fact, it's one of the only things they think matters."

Some groups that are linked to LGBT include the Friendly Alliance of Queers and Straights (FAQS), GaMIT, the Graduate Student Coffeehouse, and the MIT Women's Collective.

Mile-Long Art Project Weaves through MIT



SEPHIR HAMILTON—THE TECH

MIT student Aparna M. Das '01 constructed a mile-long trail of poetry stretching throughout MIT as part of 4.302 (Foundations of Visual Art).

By Bushra Makiya

You may have noticed the many poems on colored triangles which have appeared all over campus recently. They are part on an art project by Aparna M. Das '01, an architect major who put the project together for 4.302, Foundations of Visual Art. The class, taught by Wendy Jacob, is about art and architecture. The assignment was to create a mile long art project. No other guidelines were given.

After much thought, Das decided to use poetry as the basis for her project, selecting twenty poems which were personally meaningful to her, which she dedicated to her closest friends and family. Twelve hundred colored triangles, thirty rolls of tape, and many hours later, the project has come to the attention of many on campus, including some who followed Das as she put up some of the poems and many who have been moved by what they have read.

The project begins in the McCormick courtyard with a brief introduction saying, "how many poems does it take to measure a mile? ... I hope you lose count..." The first poem begins outside Kresge. It is "The Red Wheelbarrow" by William Carlos Williams, and is dedicated to Das' mother. Poems by John Keats, E.E. Cummings, and Emily Dickenson are included, as well as others by less familiar poets including one by Das' aunt, and one by Das herself.

Das also color coded the poems, using different colored markers for the poet's name and title, the poem itself, and the dedication and comments she wrote for each poem. She said that one of the most difficult aspects of the project was trying to show how to represent the structure of the poem using only one line. But because it involved much of her own interpretations, it was also one of the most interesting and creative parts of the project. Das arranged many of the most inspiring lines to point upward and some of the more melancholy passages to curve downward. She said that many parts ended up looking like music.

The mood of each poem also contributed to Das's choice of locations and was very important in the overall effect of the project. The poems were organized so that from the end of one poem, one could always see the beginning of the next even if they were not directly following one another. This way people could follow the entire mile and read the poems as Das had put them together.

All in all it took Das seventeen hours to make the triangles, twelve hours to get permission from MIT to put up the project, and twenty-six hours putting up the triangles. One of the most frustrating aspects of the project, according to Dal, was that despite getting permission, all the indoor triangles were taken down after the first day. Therefore the artist was never able to see the entire project up at once.

The project covers almost all the main areas of campus and is extremely visible. It stretches from the McCormick courtyard to the MIT medical center and from the Memorial Drive to the Alumni Pool. Das says it actually covers more than a mile, although she is not sure exactly how much. Once she started, she could not leave out poems which were so meaningful, and which she had already dedicated to people. These dedications, and the fact that all the poems were so personally meaningful, are part of what makes this project so important and fulfilling to Das. She said that she had never worked so hard for something in

her life and that it was a great way for her to self-analyze and to reflect on what is important to her. Das said that although it was a very personal project, she was also giving something to others, "It was my project. I was giving it to someone else, like a gift."

While most of the poems were extremely personal, a couple also had political significance. One example is "Freedom," by Shamsur Rahman, a Muslim poet. Das, who is Hindu and Bengali, said that the poem refers to conflicts between India and Bangladesh and is about uniting people. She said that regardless of religion, people all have common experiences which bring them together and that so many conflicts are fueled by religious differences even if it is not the direct cause.

Another poem, "Sonnet to Science" by Edgar Allen Poe was dedicated to the MIT public. Das says what she really wanted was for people to get something out of the project. But although her project was very visible, many other projects were also done for this class which were either off campus or less visible. One student put together a row of street signs along the Esplanade with sarcastic messages such as "close your mind." Another girl drew chalk drawings along the street which were about her experiences and how they have affected her. In a third project, someone took large black and white photos of her friends and put them together on a display on wheels which she rolled around for a mile. But if you happen to notice any bright colored triangles left around campus, stop and read them. You might get a lot more out of it than you would think.

This Month In MIT History

By Andy Kostoulas

Anyone who has ever walked across the Harvard Bridge is familiar with the Smoot markings along the sidewalk of the bridge. It was in October 1958 that these markings, totalling 364.4 Smoots plus one ear, first came into existence.

The Smoots are named after Oliver R. Smoot '62, who was a pledge of Lambda Chi Alpha at the time the markings were created. Tom O'Connor, Smoot's pledgemaster, devised the idea of marking the Harvard Bridge in pledge lengths so that students crossing the bridge would know how far from campus they were. After examining the pledge class, he chose Smoot as the specified unit of length because he was shortest — 5'7".

The pledges originally intended to use a string to do most of the measurements. However, one of the sophomores in the fraternity, Charles M. Annis '61 "came on his bike from MIT and saw what we were doing, which was pretty unfortunate," said Smoot in a recent interview. The upperclassman decided to accompany the group and as a result, the pledges were forced to actually use Smoot himself for all the measurements. By the end, Smoot had become so tired from repeatedly getting up and lying down that he needed to be dragged along.

Around 300 Smoots into the project, the police saw the students with their paint cans and stopped to investigate. "We took off — luckily we weren't in the middle," said Smoot. "I guess they went back and looked and decided it couldn't be bad for people to paint the bridge."

They finished painting the bridge and accounted for any errors they may have made in measuring the bridge. "In 8.01 they talked about experimental error. Sufficiently small error could be denoted with an epsilon." This brought about the "+ 1 ear" addendum, which was originally "± 1 ear"

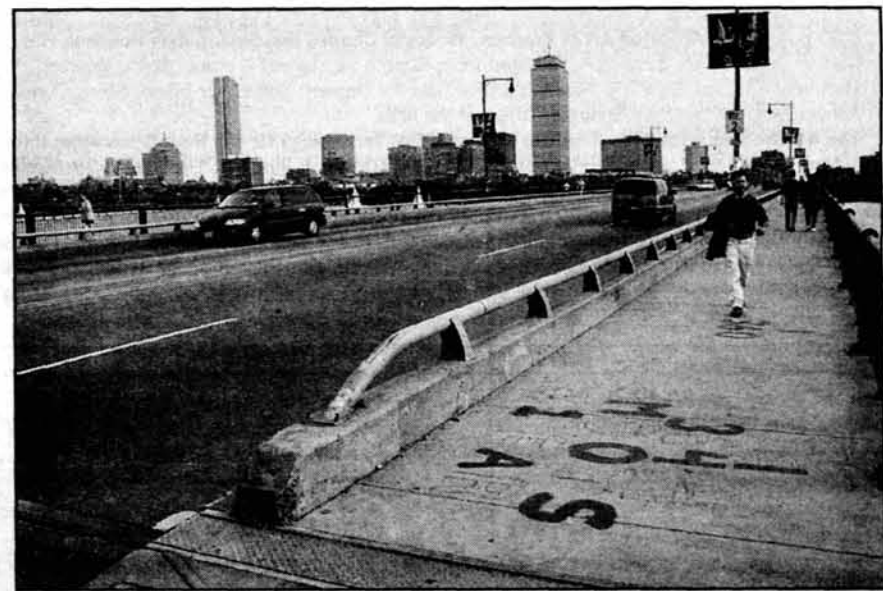
"My senior year the house moved to 99 Bay State Road on the other side of the bridge, so they made the pledge class do both sides," said Smoot. Other additions such as the "Halfway to Hell" markings came after Smoot's time."

The markings, which appear every ten Smoots, are repainted at least biannually by the Lambda Chi Alpha pledge class using different colors. "After the bridge was rebuilt in the late 1980s, the Smoot markings reappeared and the tradition continued." <http://web.mit.edu/museum/fun/smoots.html> Lambda Chi Alpha brothers used string to measure out the markings before the bridge was torn down, the found that in some cases their predecessors had miscounted, measuring out nine or eleven Smoots.

"The police have come to accept the Smoot marks. In fact, they use the markers to indicate locations when filing accident reports." <http://web.mit.edu/museum/fun/smoots.html>

The Smoot markings have become well known outside of Boston as well. The New York Times included them in a travel special and author Robert Parker mentioned them in several of his novels. "The word has spread. It is really quite interesting."

Kathryn Jeffreys contributed to this story



JAMES CAMP—THE TECH

GAMIT's Kingsbury on Gay Issues at MIT

By Alleen Wu

The Tech: Tell me about your background.

Kingsbury: I came from a small town in Arizona with about 1,000 people. I'm in the Class of 2000 and am majoring in mechanical engineering.

The Tech: When did you decide to come out?

Kingsbury: I kind of had an idea when I was in high school that I was bisexual. I didn't say anything. When I came to Interphase, I had a bad experience with it. I decided not to address it until I met a girl I really liked. Then I thought, well, I don't care, I'm just going to go out with her. I was pretty obvious, because I wasn't really hiding it. My best friend found out and got really upset about it. Since she was the first person to find out, I thought that's how everyone would respond. But then I started telling my other friends and they said, "that's cool," "that's fine," or "we don't care." My best friend at the time set the tone. So, whenever I tell people, I'm still really scared that they'll act the way she did even though the majority of them don't.

The Tech: Have you had any vicious confrontations about your sexual preference?

Kingsbury: One of my friends, who is also bisexual, gets comments all the time, but mostly off-campus. I've never had someone be really vicious to me.

The Tech: What's the on-campus attitude towards gays, lesbians and bisexuals like?

Kingsbury: People say that MIT people tend to be apathetic. But

it's really easy to find people who are like you here, no matter what nationality, sexuality, or religion. You can find your niche, enclave, your place to be, and you get more complacent, not so apathetic.

The Tech: How do people treat you off-campus?

Kingsbury: It depends where you go. If you go to Jamaica Plains, it's gonna be gay friendly. But then if you go to South End, you probably wouldn't want to hold hands with a person of the same sex.

The Tech: Do have any advice for people who are thinking about coming out?

Kingsbury: Whether to come out or not is not an issue, it's more like, am I or aren't I? If you think you are, just come out. It will make life easier. You find people who you really can trust. There is always coming out support groups. There are churches in the area that are gay friendly.

The Tech: Since you're the general coordinator of GAMIT this year, what does your organization do?

Kingsbury: GAMIT provides support for people of different sexual orientations and is like a family to me. We bring alumni to MIT. It was cool to see people who are out in the regular world and are still living their lives normally.

The Tech: What are you doing for coming out week?

Kingsbury: We're holding a reception on Friday night for coming out week. Just e-mail us if you have questions. We're totally open and confidential. There are coming out support groups. We're going to have counselors and people from the MIT medical center come over for coming out week. Everybody is welcome.



BOB SUMNER

Talia Kingsbury, GaMIT Coordinator

TechCalendar

TechCalendar appears in each issue of *The Tech* and features events for members of the MIT community. *The Tech* makes no guarantees as to the accuracy of this information, and *The Tech* shall not be held liable for any losses, including, but not limited to, damages resulting from attendance of an event. Contact information for all events is available from the TechCalendar web page.

Visit and add events to TechCalendar online at <http://tech-calendar.mit.edu>

Tuesday's Events

4:30 p.m. — **Fellowships through CIS: An Overview.** Information session on fellowships available through or administered by MIT's Center for International Studies. Admission 0. E38-615. Sponsor: Center for International Studies.

6:30 p.m. — **\$50K Competition Team Building Dinner.** The team building dinner is a place where you can meet people who want to enter the competition. It is a great place to meet people who have ideas, or people who can help you implement your idea. Building E51, Third Floor. Sponsor: MIT \$50K Entrepreneurship Competition.

7:00 p.m. — **authors@mit: Mapping Boston.** Alex Krieger (chair, Harv Dept of Urban Planning & Des), David Cobb (head, Harv Map Collection) & Sam Bass Warner (author, numerous books on Boston) & others in panel discussion of Boston's history. Admission 0. Wong Auditorium. Sponsor: Office of the Arts.

7:30 p.m. — **Coming Out Support Group.** A confidential support group hosted by GaMIT for LGBT individuals in the coming out process. This week, staff from the MIT counseling center join us to provide extra support and resources. 50-306 (Walker Memorial). Sponsor: LGBT Issues Group.

7:30 - 9:00 p.m. — **Chi Alpha Campus Meeting.** Chi Alpha Christian Fellowship will be sponsoring a series on the book of Revelation at our weekly meeting. There will be time for worship and fellowship as we study the Bible. PDR 3, Student Center. Sponsor: Chi Alpha Christian Fellowship.

The Development of Aristotle's Physics — Ruth Glasner, Hebrew University, Israel. Dibrer Institute Lunchtime Colloquia. 12:00 pm (2 hours), Rm E56-100. Please call if you plan to attend: 253-6989 OR Send an email: dibrer@mit.edu. More info: Call Trudy Kontoff at 253-6989. Email <kontoff@mit.edu>.

Xilinx: Corporate Strategies in Asia — Stacy Fender, Xilinx K.K., President. Sponsored by MIT Japan Program. 12:00 pm (1 hour), Rm E38-700. Refreshments, E38, 7th fl Conf. Rm, 12:00 pm. More info: Call Christine Lawrence at 252-1483. Email <japanprogram@mit.edu>. <<http://www.japan.mit.edu/japanprogram/Events>>.

Earthquakes, Volcanoes, and Storms — Al Duba, Lawrence Livermore National Laboratory. Sponsored by Special Undergraduate Seminar with Earth, Atmospheric, and Planetary Sciences. 3:00 pm (1 hour) 54-915 The Green Building. Meeting will be held in Building 54-915 at 3:00 p.m. More info: Call Marie C. Senat-Andre at 253-3278. Email <msenat@mit.edu>.

Dynamic Ergodic Divertor — Karl Heinz Finken, Textor. Plasma Science and Fusion Center Seminar Series. 4:00 pm (1 hour), Rm NW17-218. Refreshments served at 3:45 pm. More info: Call Paul Rivenberg at 253-8101. Email <rivenberg@psfc.mit.edu>. <<http://www.pfc.mit.edu/>>.

Design and Analysis of Aspirated Compressor Stages — Dr. Ali Merchant, MIT. Gas Turbine Fall Seminar Series. 4:15 pm, Rm 31-161. Refreshments 4:15p.m. Lecture 4:30p.m. More info: Call Lori Martinez at 253-2481. Email <dragonl@mit.edu>.

American Glamour — Alice Friedman, Wellesley College. Sponsored by Office of the Arts with Department of Architecture. 6:30 pm, Rm 10-250. More info: Call Dept of Architecture at 253-7791.

Wednesday's Events

8:00 p.m. — **MIT Affiliated Artist Concert. Works of Charles Shadle and Kyle Hoepner.** Hoepner's Glad to Be Back, for computer-generated tape; Sonata for clarinet & piano; String Quartet: Midwinter Fantasy. Shadle's Indian Point Fantasy, for clarinet; Sonata for piano; String Quartet. Admission 0. Killian Hall. Sponsor: Office of the Arts.

The NGI On-Ramp Testbed: Regional Access WDM Technology for the Next Generation Internet — Nan Froberg, MIT Lincoln Laboratory. EECS /RLE - Optics & Quantum Electronics Seminar Series. 11:00 am (1 hour), Rm 34-Grier Room B. On November 3, on this Date only, Lecture will be held in 36-428 (RLE Conference Room). More info: Call Erich Ippen at 253-8504. Email <ippen@mit.edu>. **Cryptography and the Limits of Secrecy** — Professor Ronald Rivest, Computer Science & Engineering, and Assoc. Director, LCS, MIT. Security Studies Program Seminar Series. 12:00 pm (1 hour 30 minutes), Rm E38-615. Bag lunch, refreshments will be provided. More

info: Call Lynne Levine at 253-0133. Email <llevine@mit.edu>. <<http://web.mit.edu/ssp/>>.

The Path Less Traveled Can be the Road to Riches — Dr. Mindy Aisen, M.D., Department of Veteran's Affairs. Sponsored by Mechanical Engineering Dept. 4:00 pm, Rm 4-163. Refreshments will be served. More info: Call at 253-2201. Email <pmac@mit.edu>. <<http://me.mit.edu>>.

Globalization: Implications for Immigration Policy and Reality — Saskia Sassen, Professor of Sociology, University of Chicago. Sponsored by Center for International Studies. 4:30 pm, Rm E38-714. This is a session of the Inter-University Seminar on International Migration. More info: Call Laurie Scheffler at 253-3121. Email <lauries@mit.edu>. Tsuribaka Nishi #9,

Diary of a Fishing Fanatic — Kuriyama Tomio, Sponsored by MIT Japan Program. 7:00 pm (2 hours), Rm 2-105. Film/Video and brief lecture. Room 2-105. More info: Call Christine Lawrence at 252-1483. Email <mit-japan@mit.edu>. <<http://www-japan.mit.edu/mitjapanprogram/Events>>.

Thursday's Events

12:00 p.m. — **MIT Chapel concert.** Leonora Quartet performs Ravel's String Quartet and Piazzola's Four for Tango. Admission 0. MIT Chapel. Sponsor: Office of the Arts.

4:00 - 6:00 p.m. — **Rainbow Reception.** Part of National Coming Out week, this annual event for students, faculty and staff helps incoming and current LGBT students be aware of the supportive resources available to them. EC's Talbot Lounge. Sponsor: LGBT Issues Group.

7:00 p.m. — **poetry@mit: Harry Mathews.** Sponsored by the Program in Writing and Humanistic Studies and Literature faculty. Admission 0. Rm 6-120. Sponsor: Office of the Arts.

7:30 p.m. — **Chainmail Workshop.** Come learn how to make chainmail in this interactive workshop. Materials will be provided, but bring needlenose pliers if you have them. Mezzanine Lounge. Sponsor: Society for Creative Anachronism.

9:00 p.m. — **MIT Songwriting Club Sponsors Open Mic Night.** The first of monthly Open Mic Nights at the Coffeehouse (3rd floor of the Student Center). Come to perform or be entertained. Sign-ups begin at 8:30 and are on a first come, first served basis. The Coffeehouse. Sponsor: Songwriting Club.

Experiences in Interactive Expression — Natalie Jeremijenko, Visiting Faculty, Engineering Dept, Yale Design Studio, New Haven, CT. Experiences in Interactive Expression (part of "Special Topics at the CAVS" MAS 879). 3:00 pm (2 hours), MIT Museum Bldg, 390. Visiting artists who use digital media and interactivity or audience participation in their work, will focus in depth on one piece, with a quick overview of his/her work, followed by discussion. More info: <<http://cavs.mit.edu/seminar/mas879/interact.html>>.

A survey of mixing and transport in the stratosphere — Lynn Sparling, NASA Goddard. Sponsored by MIT Atmospheric Science Seminars. 4:00 pm, Rm 54-915. More info: Call at 253-0136. Email <ddlucas@mit.edu>. <www-paoc.mit.edu/MASseries.html>.

III-Conditioned Linear Inequalities — Adrian Lewis, Professor, University of Waterloo. Sponsored by Operations Research Center. 4:00 pm (1 hour), Rm E40-298. Seminar followed by refreshments in E40-106. More info: Call Andy Armacost at 253-7412. Email <alp@mit.edu>. <<http://web.mit.edu/orc/www>>.

Friday's Events

6:00 p.m. — **Family Weekend Concert.** MIT Wind Ensemble, MIT Concert Band, MIT Jazz Band. Fred Harris, music director. Admission 0. Kresge Auditorium. Sponsor: Office of the Arts.

7:00 p.m. — **Film: Happy Together.** Featuring contemporary Asian directors series. Admission 2.50. 26-100. Sponsor: MIT Japan Program.

9:00 p.m. — **Potluck Performance Art Party.** AKA show+tell. Bring video, poetry, slides, anything to read, show, perform and/or consume. Admission 4.00. N52-115. Sponsor: Office of the Arts.

9:30 p.m. — **Coming Out Week Reception.** The wrap-up event for Coming Out Week, hosted by GaMIT and including light refreshments and good conversation in a supportive environment. 50-306 (Walker Memorial). Sponsor: LGBT Issues Group.

10:00 p.m. — **Film: Happy Together.** Featuring contemporary Asian directors series. Admission 2.50. 26-100. Sponsor: MIT Japan Program.

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Viewpoint

What do you think is the campus attitude towards homosexuality?



It seems fairly open. I haven't observed any particular prejudice. I guess it depends on the circles you travel in
Emily J. Hanna '00

I think it is fairly tolerant. People are reasonably accepting.

Amit Roy '01



I don't think there is a single one. There are a lot of camps.
Matthew Howes '00

I think a lot of fraternities are thought to be homophobic and that is less the case than people think. I also think there is a lot of indifference.

Courtney S. Berman '00



At least from the people know, it seems pretty liberal.
Arundhti Singh '01

It seems more open than where I am from [the South].

Brian Perryman '01

Register to

Vote

Come to The Tech office (W20-483) or visit democracy.mit.edu before Wednesday's voter registration deadline for Cambridge City Council!

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The engineer needs the businessman...
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WHERE DO THEY MEET?



TEAM BUILDING DINNER

6:30pm 3rd Floor, E51

Tuesday, Oct. 12

RSVP @ <http://50k.mit.edu>

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THE ARTS

ALBUM REVIEW

Misfits

Famous Monsters

By Chris Jones

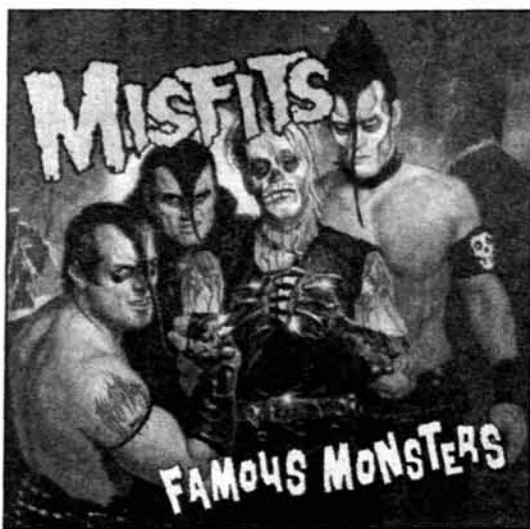
October 5th marked the release of the Misfits' ninth album, *Famous Monsters*. This album is the second with Michale Graves, who replaced the original vocalist Glenn Danzig. *Monsters* follows 1996's *American Psycho* with the same fast-paced fervor. The new sound with Graves is noticeably different from earlier years but is by no means inferior.

Since 1977 the Misfits led a loyal fan base, even through an almost ten year dry spell. There is a distinct difference between the classic punk rock style from their earlier years and the harder and louder, more contemporary punk sound of the last two albums. This is by no means a way of saying that one is better than the other. Both are great, and amazingly the Misfits managed to keep both sounds uniquely their own for 22 years.

Famous Monsters opens with "Kong at the Gates," a dark introduction that sets the tone for their horror-themed music. All of the Misfits' songs have to do with the supernatural. Inspiration is drawn from B-horror movies, such as in "Crawling Eye" and "Pumpkin Head." Lyrics like "If I cut off your arms and cut off your legs, would you still love me anyway?" from the song "Helena" are typical Misfits fare. Though the band has stuck with its fiendish theme since the beginning, its songs are nonetheless captivating and somehow even uplifting.

The Misfits manage to put heavy chords, fast rhythms, and catchy melodies together to make music that you can't help but sing along to. From the 50's-like "Saturday Night" to the rockabilly "Scarecrow Man" to the anthem "Fiend Club," the Misfits maintain a high level of energy that keeps you listening and your adrenaline pumping.

In short, whether you're a Misfits fan or not, whether you're a punk fan or not, whether you have a pulse or not, you'll enjoy *Famous Monsters*. And for true Fiends, see the Misfits at the Palladium in Worcester November 5th with G.W.A.R.



CONCERT REVIEW

Mixfest '99

Day One

By Dan Katz

STAFF WRITER

In essence, the first day of Mixfest, sponsored by radio station and general producer of noise pollution Mix 98.5, was a ten-and-a-half hour long advertisement. Every performer was preceded by a radio DJ with a reminder to get tickets for Sunday's show at Foxboro Stadium, and two giant video screens alternated between helpfully providing the day's band schedule and not-so-helpfully cycling soundless music videos by Sugar Ray, Natalie Merchant, and Sixpence None The Richer. In the end, even though I didn't break down and buy the advertised product (although I did spend entirely too much on overpriced food), Saturday's concert was the best commercial I've ever seen.

One of the recurring themes of the show was that regardless of genre, most of the performers had absolutely gorgeous voices. I arrived at the show in time to hear the smooth voice of guitarist Jeremy Toback (unfortunately I arrived too late to see mainstage openers Thisway), while minutes later on the sidestage the Niels played a set of very good songs with equally fluid vocals, delivered by a full band that seemed to be having a lot more fun than Toback. Both groups would later be outshined in the vocal department by the mind-boggling range of Fleming of Fleming and John, and the almost hypnotizing voice of Dido, who was backed by a DJ and echoing percussionist and actually seemed to have the crowd silenced in awe for short periods of time.

Several groups proved to be overachievers, impressing more onstage than on their recordings. Vonda Shepard showed more flexibility than most female pop stars, slowing her set down to soothing ballads and speeding it up with rock songs, even going so far as to apologize that one might be "too edgy." Local singer-songwriter Jude looked thrilled to be playing in front of such a large audience in his hometown. His set featured a lot of charisma and a voice that was much more clear and expressive than on his current album. Songs which fall flat on the album like "I'm Sorry Now" took on a new life in a live setting. Another pleasant surprise was relative unknown Joe Lies, a very energetic and solid rock band.

The blatant low point in this sea of talent was Lou Bega, currently riding on his thirteenth or fourteenth minute of fame. Playing just before Jude (in front of his band's instruments, in fact), Bega had no backup band. Instead he sang along with prerecorded music and danced awkwardly in front of three

female dancers, effectively turning his set into a karaoke act. To top off the embarrassment, Bega's set, which was shorter than most, opened with "Mambo #5" and CLOSED with "Mambo #5" as well. At the beginning of the set, the crowd cheered as if Ricky Martin were about to emerge. The applause for his departure was still considerable, but it was clear that not everybody bought it.

Of the three top-billed acts, two were clearly up to the challenge. Ben Folds Five played a set similar to their recent stint at WBCN's College Rave, but brought out more dynamic oldies like "Underground" and "Philosophy," although the band's traditional closer, "Song For The Dumped," was mysteriously absent. Duran Duran were spellbinding, taking advantage of their after-dark time slot, with an intense light display that shifted in theme from white to blue to pink. Lead singer Simon LeBon worked the crowd like a true performing veteran, and the group's setlist balanced edgy new material like "Hallucinating Elvis" with classics like "Rio," "Girls on Film," and an incredibly in-your-face version of "White Lines" that was possibly the highlight of the entire day. NRBQ could take a lesson from Duran Duran, because after a thirty-year career, they seemed hopelessly unexciting, out of touch, and generally out of place at the festival.

But the best stories of the festival came from Ben Folds Five's current tourmates. Train performed early in the afternoon and was the first band to bring life to the mainstage, playing swaggering rock with country-style harmonies with a vocalist who rified Kid Rock lyrics at one moment, climbed the steel stage support at another, and eventually came out to dance during Jude's set at his personal request. Playing for a crowd that only knew "Meet Virginia," they won people over far before their obligatory performance of the single. Even more touching was Fleming and John finishing out the sidestage lineup, drawing an unbelievable number of people from the mainstage area, to the point that lead singer Fleming McWilliams repeatedly voiced her amazement at the crowd between blistering renditions of "I'm Not Afraid" and "Sssh!" and haunting performances of "Rain All Day" and "The Pearl." Several members of the audience (myself included) even managed to convince the band to add two extra songs to their setlists. No other band, not even Duran Duran, got to play an encore.

But Duran Duran deserved an encore. So did Ben Folds Five, Train, Jude, Dido, and countless other acts on the bill. For a free concert, the quality packed into the show was incredible, and while it didn't persuade me to show up at Foxboro on Sunday, I have to hand it to WBMX for putting together such a great concert. But the most important thing I gathered from Saturday's show is this: Lou Bega must die. I think that's a moral we can all learn from.

STAGE REVIEW

L'Italiana

An Italian in Algiers

By Vladimir Zelevinsky

ARTS EDITOR

An opera by Gioacchino Rossini
 Libretto by Angelo Anelli
 Directed by Patricia-Maria Weinmann
 With David Murray, D'Anna Fortunato,
 Richard Conrad, Wayne Rivera, Bonnie
 Scarpelli, Clara Sandler, Keith Jurosko
 Presented by Boston Academy of Music
 On 10/12, 8pm
 Tickets \$16-\$55, students discounts available
 At the Emerson Majestic Theatre
 More information at (617) 824-8000

The opera *L'Italiana in Algeri* (An Italian Girl in Algiers) is one of Gioacchino Rossini's early, funny operas. It was composed and premiered in 1813. *L'Italiana* could have been written in 1999, for all I know: the musical language doesn't feel at all dated, with its irresistible rhythm-driven showstoppers. Each and every one of its musical numbers is a gem, with no exceptions. The complexity of the writing is vastly superior to anything heard in musical theatre today. And the story has a surprising amount of subtext for a slapstick comedy, being unabashedly feminist.

The story of *L'Italiana in Algeri* is of a confrontation. On one side, we have Mustafa, the Bei of Algiers, with his multitude of slaves, eunuchs, armed guards, and a whole harem of wives. Mustafa is a famous woman-tamer, and now he had set his eyes on something exotic: an Italian woman. On the other side of this confrontation, we have Isabella — a lone woman captured by the Bei after she is shipwrecked on the African shore.

The fight is fixed, of course, because its opponents are so unmatched; it's obvious that Isabella is vastly stronger, being more brave, cunning, and resourceful — and, thus, the whole opera is about her tricking the pompous Mustafa, and escaping his clutches with her young lover and a whole boatload of liberated

slaves.

There's so much to praise about the opera: its insanely catchy and beautiful music; the hilarious gallery of characters; the succession of comic sequences; and, ultimately, its feminist subtext. There's only one thing to praise in the Boston Academy of Music production: the fact that it doesn't get in the way of the opera as it works its charm.

This production occupies a somewhat uneasy middle ground between two extreme modes of doing opera. One can have a purely presentational production, with sets and costumes present merely to suggest the ambiance, or one can have a production which attempts real acting, with real characters on stage. The production of *L'Italiana* eschews acting — but it uses a lot of mannerisms, all of them, without exception, intended to make the audience laugh.

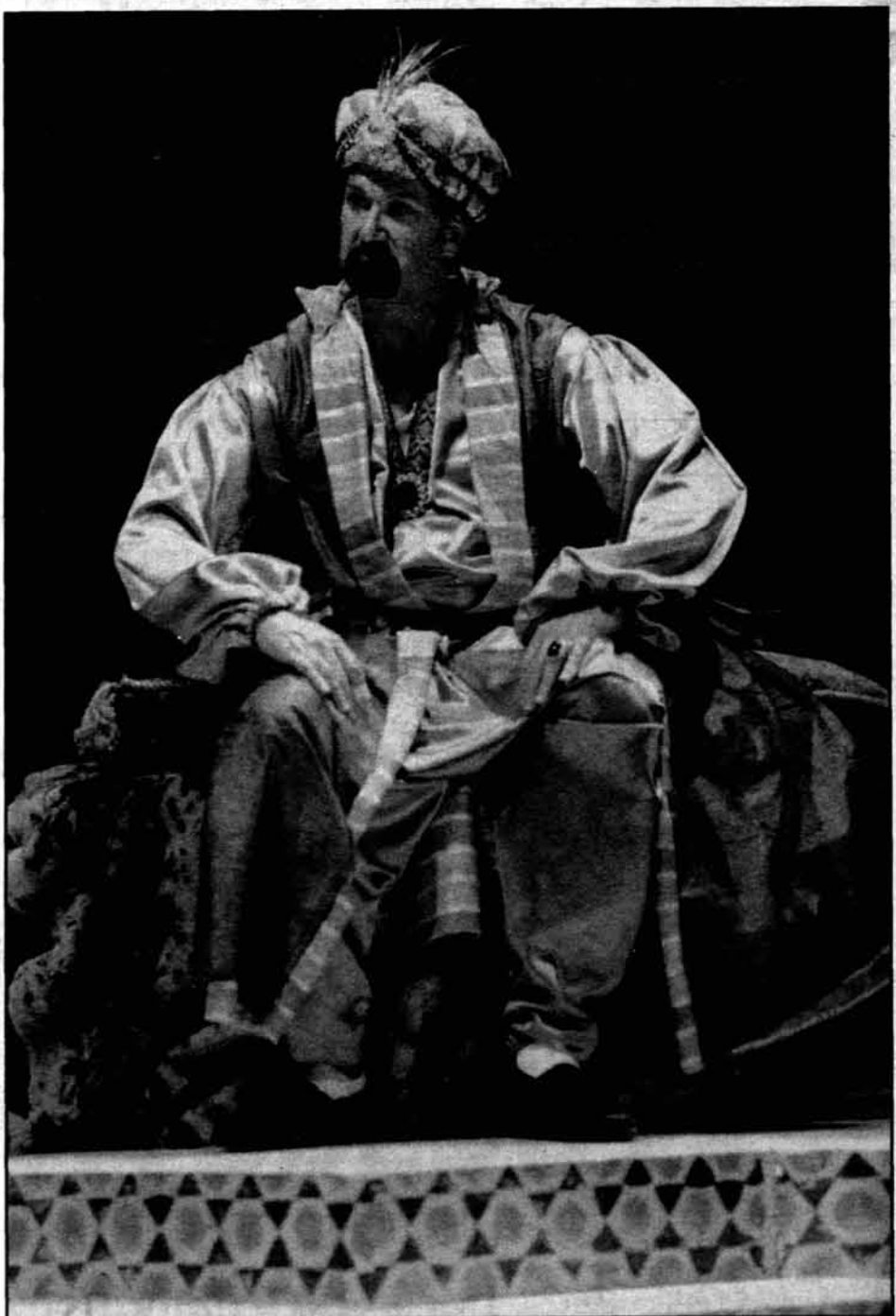
It works most of the time; the chorus of slaves is frequently very funny, especially when they make fun of the pompous Mustafa (David Murray) behind his back. On the other hand, Isabella (D'Anna Fortunato) incongruously acts silly, which makes no sense, considering her rather dire situation.

The musical aspects are, overall, quite impressive. In particular, the orchestra is clear and consistent, and the harpsichord part makes amusing allusions to Mozart's works, especially his Rondo Alla Turca.

The singing is less impressive: while it's clear and well-enunciated, none of the singers stand out, with most of the singing feeling slightly tense and not especially well-projected.

The technical aspects (set, costumes, lighting) are excellent, with the exception of the English subtitles, which omit quite a few lines in recitative sections.

But the main virtue is the clarity of the singing and the stage action: because of this, most of the charm of *L'Italiana* is preserved. Being able to not only hear the opera but also to see it is a special boon: only when one can do both is it possible to fully appreciate Rossini's true genius. This genius is the creation of dazzling, carefully-created and controlled chaos — a wild whirlwind of comic confusion. The main achievement of the current production is that it doesn't interfere with the audience being swept away by this glorious combination of musical order and comical chaos.



David Murray plays the pompous Bei of Algiers in *L'Italiana in Algeri*, an opera by Gioacchino Rossini.

CLIVE GRAINGER

FILM REVIEW

Three Kings

By Michael Frakes

Directed by David O. Russell

Running time: 115 minutes

Rated R

Starring George Clooney, Mark Wahlberg, Ice Cube, Spike Jonze, Nora Dunn, and Jamie Kennedy

While it is not exactly a war movie, *Three Kings* may be the most definitive film we have yet to see about the Gulf War. There are no major battles or organized military efforts. Rather, we see only a few small conflicts that occur after the war has ended. It is basically an action/adventure film with many moments of well-placed humor — it's a good one, too. *Three Kings* also works on a deeper, thought-provoking level, as it effectively underlies the interplay of action and comedy with a strong political presence. The film addresses man's brutal motivations in war and forces us to question the United States' involvement in the Persian Gulf.

Three Kings marks David O. Russell's third and perhaps strongest directing effort. His other works include *Spanking the Monkey* and *Flirting with Disaster*. This latest effort is a creative and bold picture that shows us how exciting filmmaking can be. Russell brings up many issues concerning American foreign policy and human brutality in general, and he develops these ideas through the interaction of the film's characters and action sequences. He presents his story through an original and effective visual style, combining a rough, grainy image with overwhelming brightness (we hardly ever see the sky — only a big bright light). This

lower resolution illustrates the rugged nature of war and the sense of confusion and distortion that accompany it. Such effects worked well in Steven Spielberg's *Saving Private Ryan*. These exaggerated visuals also affect us physically, placing us in the blazing sun and blowing sand of the Iraqi desert. *Three Kings* accomplishes a lot with its camera and with the composition of its story. It's a filmmaker's movie, if you know what I mean.

The movie begins at the end of the Gulf War in 1991. Sergeant Troy Barlow (Mark Wahlberg), Chief (Ice Cube) and Conrad Vig (Spike Jonze), come across a map that shows the location of a bunker that likely contains the gold bullion that Saddam's troops had stolen from Kuwait. Special Forces officer Archie Gates (George Clooney) catches word of the map and offers to lead the soldiers in an unauthorized and self-beneficial plan to recover the gold.

The four American soldiers run into little opposition in their mission. When they reach the bunker, they are surprised to find Iraqi soldiers butchering those Iraqi citizens who had followed President Bush's urging to rise against the government. After watching a



From left: George Clooney, Mark Wahlberg, and Ice Cube star as three American soldiers in *Three Kings*. The film, directed by David O. Russell, questions America's involvement in the Gulf War.

mother murdered in front of them, the four Americans decide to help the Iraqi rebels to freedom.

There is not too much to the story here. Sure, *Three Kings* is the first film to address certain issues about the Gulf War and it does a good job of presenting them, but it has a very traditional plot structure. We've seen all of these character types before and it is not too hard to predict the film's Hollywood ending.

However, it is great in its stylistic use of the camera and editing, and manages to show us many things that we have not seen before. For example, *Three Kings* dramatizes the powerful impact of a bullet. Here, the camera takes us inside a person's body to show how a bullet can destroy an organ. It sounds ridiculous, but the scene works well to affect the viewer's sensory reactions to ballistic violence.

Overall, the action sequences are well-structured and the film moves with great pace and composition. Russell often enhances the development of a scene and accentuates the impact of his dialogue by cutting the camera and allowing us to witness what is going in a character's mind. When an Iraqi soldier explains to Barlow how his three-year-old son was killed in an American bombing mission, the camera cuts to a slow motion shot of a house collapsing on his baby's crib.

Despite an often traditional and predictable plot, Russell catches us off guard

from time to time. In one scene, after being captured by Iraqi forces, Barlow is thrown into a room filled with cellular phones. Unable to get through to the American forces, he resorts to calling his wife and after a minute of sweet-talking, he asks her to get him help.

The film presents a fierce image of humanity, especially in regards to warfare. It questions our motivations for entering the Gulf War (and any war for that matter) and examines our inability to aid the Iraqi citizens after the war had ended. During the torturing of an American soldier, an Iraqi asks why the U.S. became involved. The American replies that it was because Iraq had invaded Kuwait and "that is wrong." The film also examines the media's selfish and constant desire to see conflict, as presented through television war correspondent Adriana Cruz (Nora Dunn). Asking the viewer to consider the civilian costs of war, *Three Kings* sympathizes with the Iraqi soldier who lost his boy in a bombing. The film doesn't provide any exact viewpoints on these issues, but it forces us to think about them in a way that we usually overlook.

Three Kings is one of those movies that you might not like so much immediately after watching it, but that you start to like more and more as you think about it. I was most impressed by the way it uses its cinematic tools, particularly the camera, to move the film along in an exciting, funny, and enlightening manner. *Three Kings* is one of the most creative movies of the year. Check it out.



Fadil Al-Badra, Ice Cube, George Clooney, and Cliff Curtis in the Warner Brothers film *Three Kings*.

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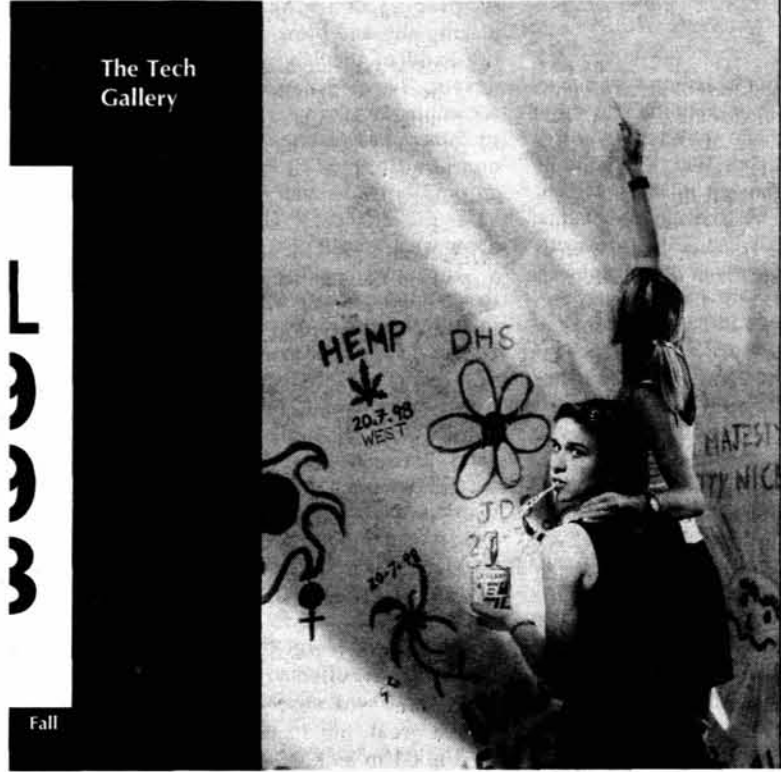
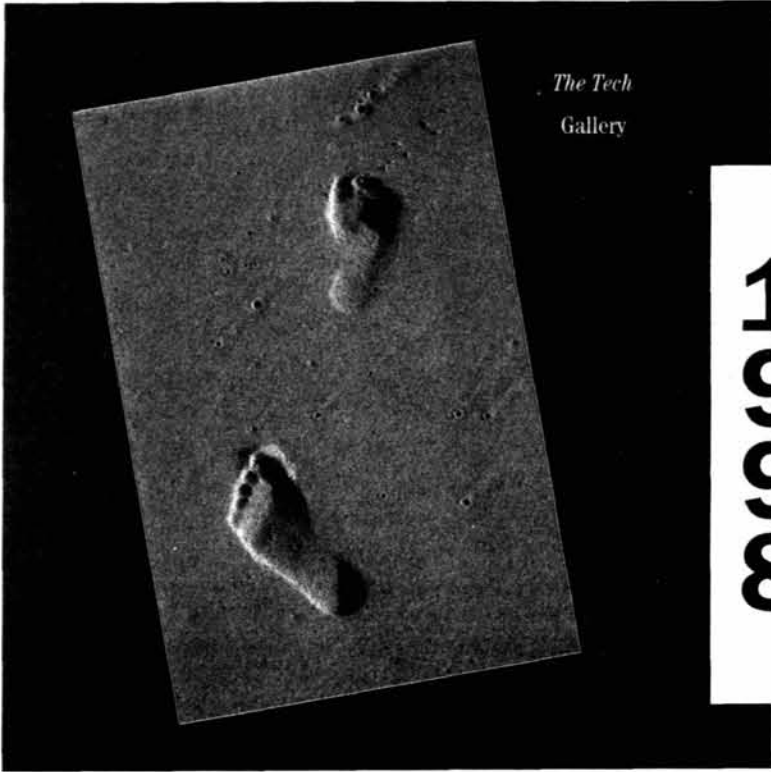
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CONCERT REVIEW

Sarah Brightman

One Night in Eden

By Seth Bisen-Hersh

STAFF WRITER

October 8 and 9, 1999

The Wang Theatre
270 Tremont St.

There are many different kinds of concerts: classical, Broadway, pop. Put them all together, add choreography, spectacular lighting, and colorful costumes and you get Sarah Brightman's *One Night in Eden*. Best known for being the original Christine Daaé in *The Phantom of the Opera* and also for being the former Mrs. Andrew Lloyd Webber, Ms. Brightman created an eclectic evening of many different styles.

I'm just going to say it: Sarah Brightman is amazing. Any words I could come up to describe her soaring soprano would be an understatement. I believe I speak for the entire audience when I say that if she had simply worn one dress and just stood there singing to us the entire night, we would have still been swept away. However, Brightman decided to treat the audience to special lights, sets, costumes and even choreography. Also, she performed songs from a myriad of genres segueing from classical right into pop music and vice versa. And she handled every song beautifully.

First of all, the show opened with, unsurprisingly, a grand entrance for Brightman. Her six male dancers came out and danced around, leaving the center open, and voila, the curtain opened and there she was in a dazzling gown while stretched out on a bed. It was from there that she sang her first classical piece of the evening. The rest of the first act consisted of mostly classical songs with a few pop songs thrown in. She sang a smashing rendition of "Who wants to Live Forever?" as the lights flickered all around her. Other effects included her ascending a large staircase with a very long dress, turning around and singing as fans blew her hair back. Every single effect was breathtaking, which is really quite amazing considering that this was a concert, not a show.

The highlight of Act One was Brightman's rendition of Lloyd Webber's "Pie Jesu." It was actually quite a relief to hear a song I knew. Everything she had sung up to that point was simply lovely, but I was very glad to hear her sing something I knew from her repertoire. Although she performed

the song alone, without a little boy and a huge chorus, it was still amazing. Brightman is very well trained. When she sings, she knows exactly where to put the sound

so that it travels flawlessly from her mouth to our ears. The sound was so immensely focused that it resonated throughout the vast Wang Theatre especially the higher she went. For her Act One finale, she sang her highest note of the evening which sent the audience immediately into a giant ovation as the curtain closed.

Act Two of Brightman's performance was much more contemporary. There were still many splendid effects, though. The best effect of the evening was when she sang "Captain Nemo" and simulated being underwater. This was accomplished by having her half-floating, half-flying up above the stage behind a blue, rippling scrim.

I would have to say that the low point of the evening was her rendition of "The Heart Will Go On" in Italian. Not that she wasn't great, but I really do think I'm sick of that song although it being in Italian was a nice change. In any case, the low point was soon followed by the major high points of the evening. They began with a medley of Brightman's songs from *The Phantom of the Opera*. Brightman started with a few of her recitatives and then sang a powerful rendition of "Wishing You Were Somehow Here Again." It was just amazing. There is just no other word for it.

Brightman's finale for the evening was the renowned love song Lloyd Webber had written for her, "The Music of the Night." Her version was thrilling. Before she hit any of the high notes,

Brightman would start on the note an octave lower for an instant and then seamlessly connect the higher note. The two encores were the final high points of the evening. The songs just got better and better. She did *Evita's* "Don't Cry For Me, Argentina" and then the title song from her new CD, "It's Time to Say Goodbye." After all three of these songs, she received a massive standing ovation from the virtually sold-out Wang

Theatre.

Sarah Brightman is amazing. If you ever get the chance to see her in anything, be it a show or concert or whatever, go to it. She is beyond a doubt one of the best sopranos who ever lived. Her style and love of many musical styles adds to her appeal and charming personality. Her beauty and beautiful singing voice will enrapture you. You, too, will get to join her on her journey to Eden.

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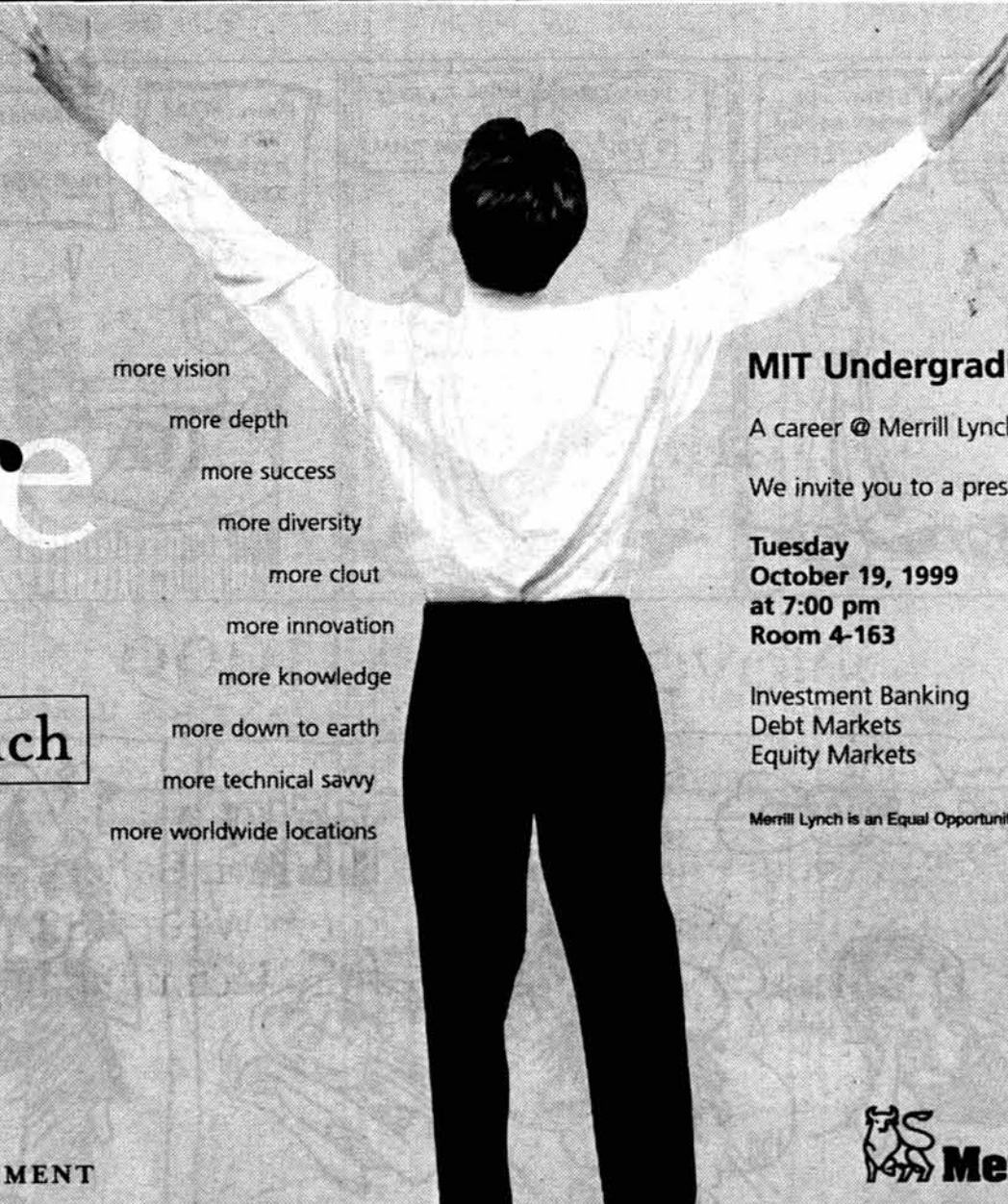
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Contact Courtney Sarno:

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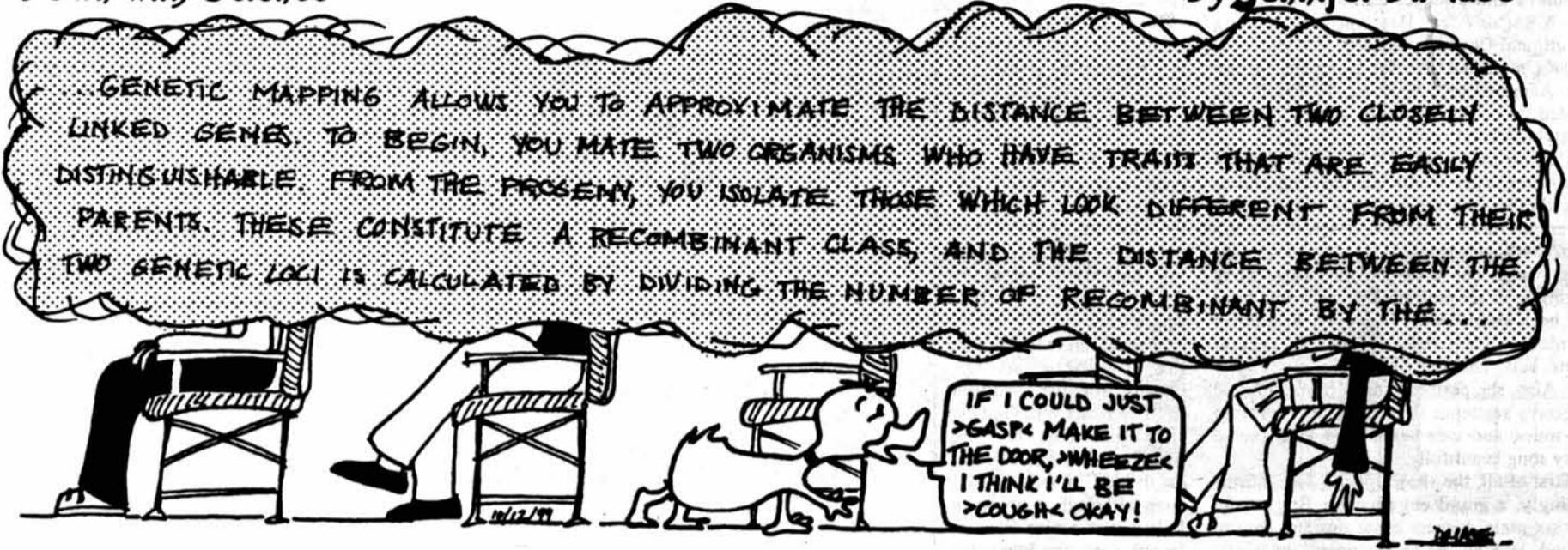
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Down with Science

by Jennifer DiMase

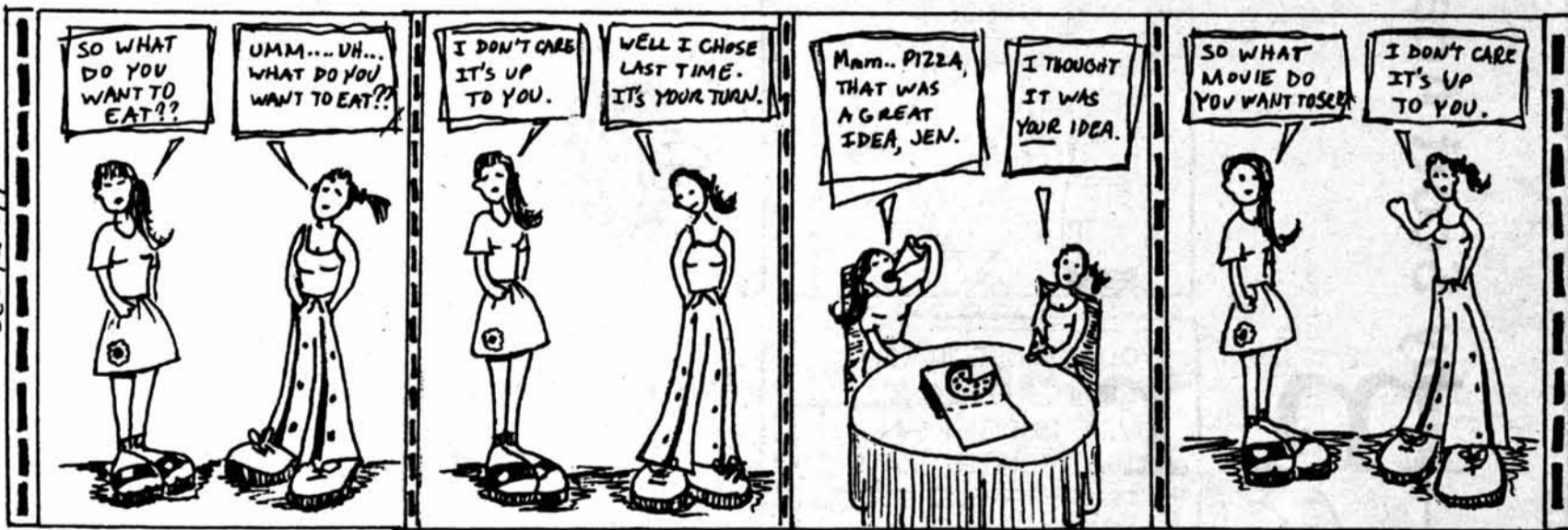


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Tired Souls
BY DAVID

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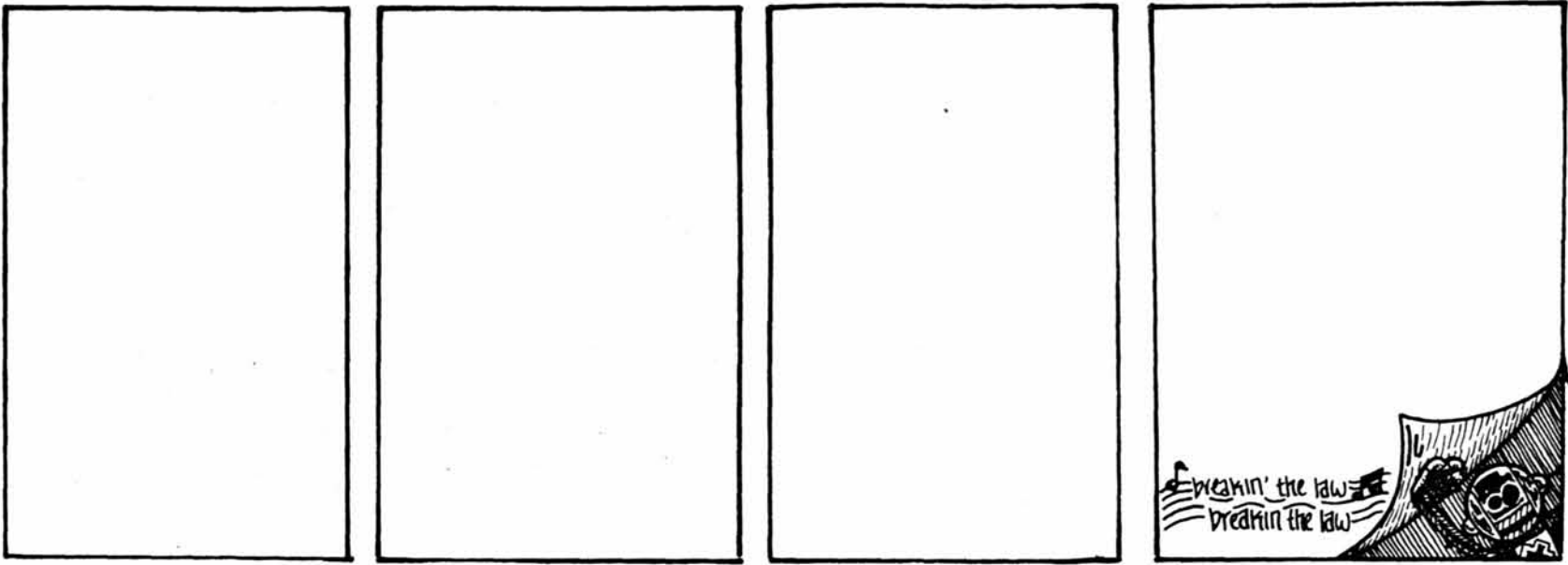


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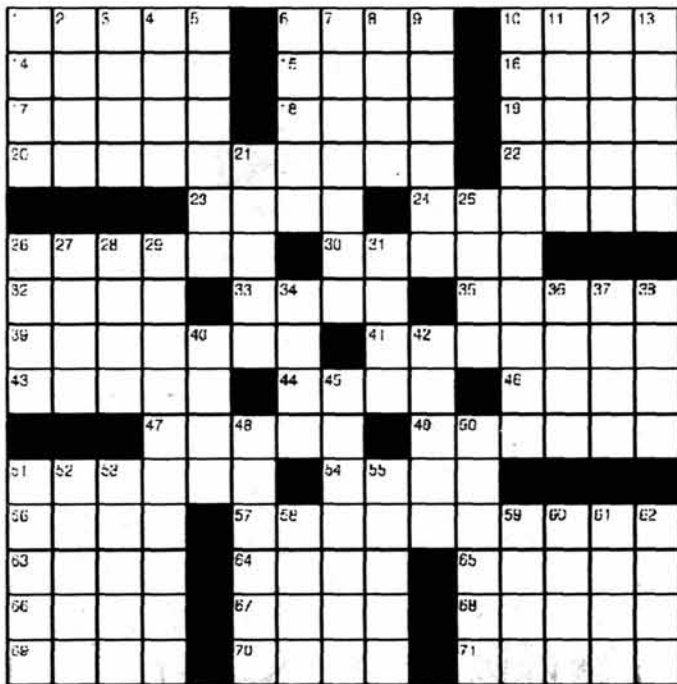
by jocelyn lin

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Crossword Puzzle



ACROSS

- 1 '60s hairdos
- 6 Turkish title
- 10 Guitar adjuncts, briefly
- 14 Alps peak, Mont
- 15 Protective ditch
- 16 Scarlett's home
- 17 Coherent light
- 18 Singer Guthrie
- 19 Londoner's streetcar
- 20 Weariness
- 22 Second city of Nevada
- 23 Come up short
- 24 Iditarod's state
- 26 Develop into bone
- 30 Pale purple
- 32 Group of Highlanders
- 33 Laurel or Musial
- 35 Risky feat
- 39 Tall chest of drawers
- 41 Entourage
- 43 Step

- 44 Haiku or ode
- 46 Probabilities
- 47 Tower of
- 49 Birchbark boats
- 51 Docking facility
- 54 Passes away
- 56 1st letter
- 57 Piece of advice
- 63 Short skirt
- 64 Tautomeric compound
- 65 Eat away
- 66 Exxon, formerly
- 67 Normandy town
- 68 Ceremonies
- 69 Observed
- 70 Hubbub
- 71 Lift a glass

DOWN

- 1 Competent
- 2 Linen source
- 3 Poison ivy symptom
- 4 Draft classification
- 5 Nape of the neck

- 6 Renowned violin maker
- 7 Brutish thug
- 8 Saint's glow
- 9 Lacking a key
- 10 Charm
- 11 "... eat oats..."
- 12 Practical joke
- 13 Polynesian island group
- 21 Authority to decide
- 25 Stand up
- 26 Folksinger Phil
- 27 Narrow opening
- 28 Heroic tale
- 29 Psychological restraint
- 31 Concerning
- 34 Kind
- 36 Cancel
- 37 Unclothed
- 38 Hardy heroine
- 40 Grain coat
- 42 TV host
- 45 Dark yellow
- 48 Most contemptible

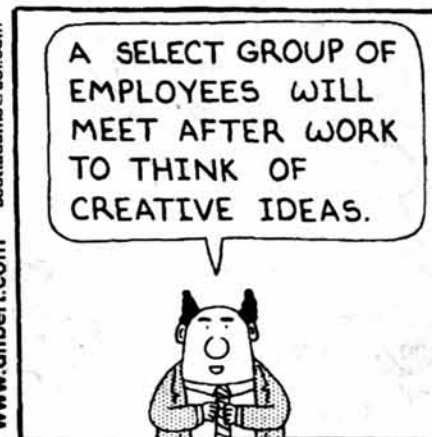
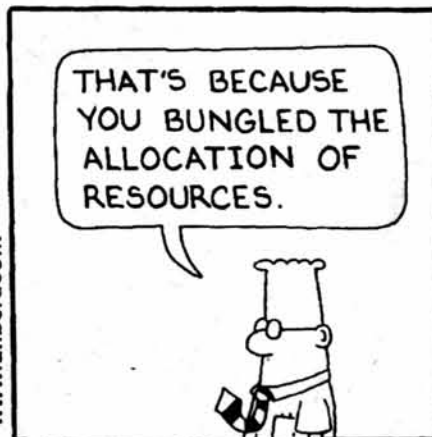
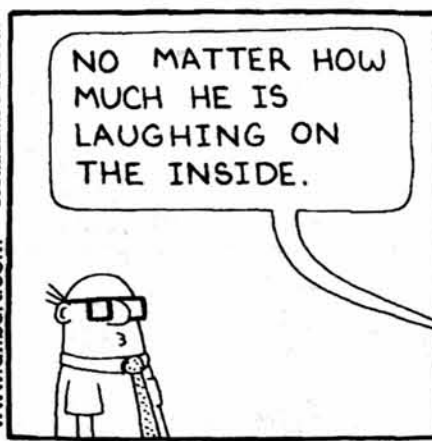
- 50 State categorically
- 51 Non-speaking actors
- 52 Licorice flavoring
- 53 Dishwasher cycle
- 55 Snow abode
- 58 "Do ... others as..."
- 59 Peter, Paul, and Mary, e.g.
- 60 Very small amount
- 61 Keats works
- 62 Branch headquarters?



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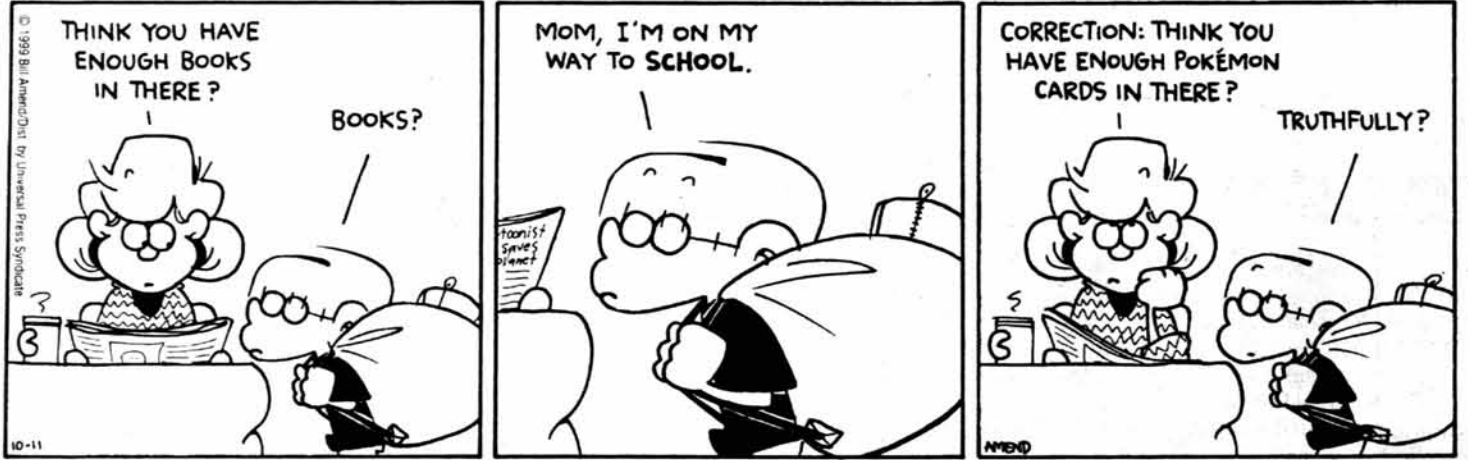
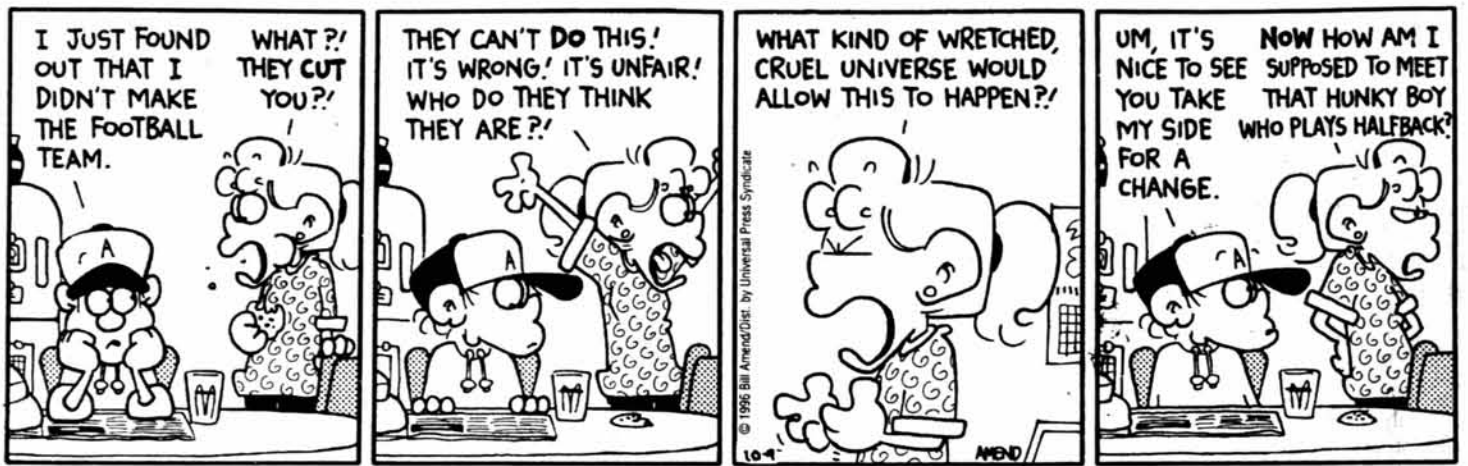
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EDP Proposes New First Year Program

By Matthew Palmer
STAFF REPORTER

The preliminary report of the Educational Design Project urges MIT to improve the first-year experience with increased hands-on learning and more integrated Institute requirements. The report may also lead to changes to the current pass/no record grading system for freshmen.

The EDP presented its report to the Committee on the Undergraduate Program in August, and CUP members are shaping their agendas for the current academic year around the project's proposals. The report suggests, among other things, that MIT offer mini-courses to introduce engineering subjects, a project-oriented interdisciplinary subject, and introductory laboratory courses. The current science and humanities requirements will remain unchanged.

In addition, a new twelve unit class unique to each year (Mission [year of graduation]) would be required. This would focus on problem solving and integration of science classes and the humanities. Teams of five freshmen would work on one of ten projects related to a "vague but intellectually challenging mission." At the end of the course, students would design a website to present their results.

Report tackles Task Force report

One problem the Presidential Task Force on Student Life and Learning cited in its report was "the perceived lack of enthusiasm and excitement in the first-year program." The report said that the combination of high work load, large lectures, and dry material too often discourages freshmen. The EDP hopes that the pilot programs will reinvigorate first-year students. However, the committee said they "want no changes that might 'dumb-down' the freshman year."

The report recommends that subjects coordinate schedules such that freshmen will not have several projects or tests due at once. Also, they

want to see a change from what they call the "lecture-problem set-quiz" routine to an "inquiry based" learning approach. The EDP report points out a lack of coherence and relevance among the core science subjects.

EDP Co-Chair and Professor of Media Arts and Sciences Stephen A. Benton '63 said the group sought to "make the choice of major more visible and help freshman get involved in project work." He said the new initiatives should not hold anyone back, but should instead "offer new options."

Report reconsiders pass/no record

The report states that many first-years students are now taking upper level courses, and this "curriculum creep" may lead to changes in the current pass/no record system. The report presents several alternatives to the current pass/no record system, including eliminating pass/no record for the second semester of freshman year, assigning pass/no record status to only introductory courses, or allowing students to take one pass/no record class each year after the sophomore year. The CUP will now look into the best available option.

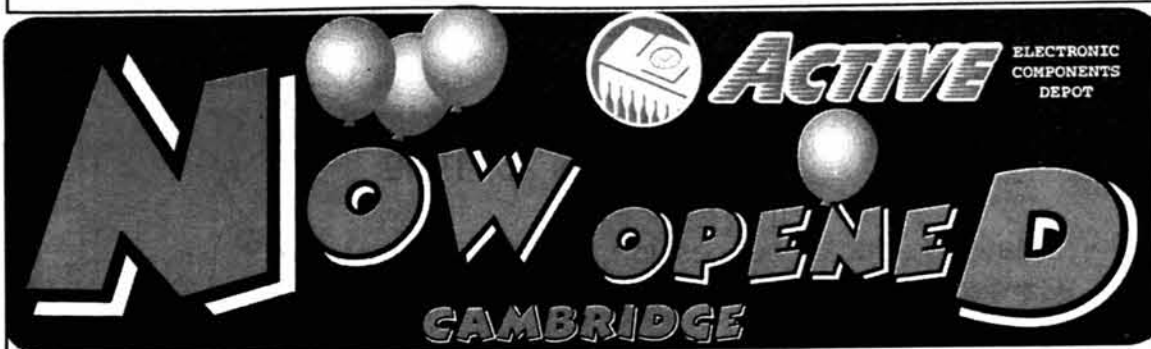
EDP's future uncertain

The EDP was created last fall by the CUP and the Office of the Dean of Students and Undergraduate Education. It was co-chaired by Professor Benton and the former Dean for Undergraduate Curriculum, Kip V. Hodges '82.

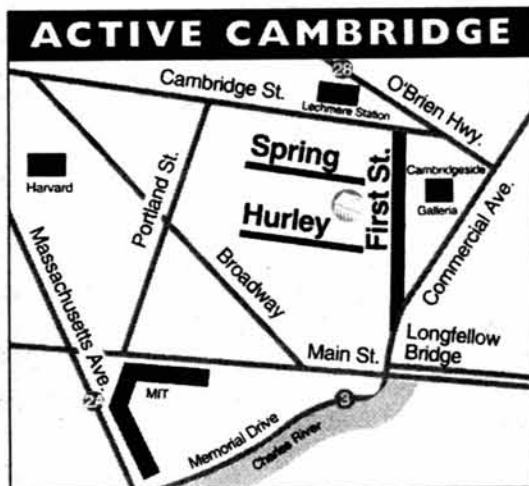
The EDP hosted two meetings with both MIT alumni and current students to discuss their respective first-year experiences. The committee also sought input from faculty, freshman advisors, the Academic Services Staff, and science lecturers.

In the future, the EDP may become a new committee that would report to the CUP. The committee would consist of faculty representatives and one or two students. The EDP might also make recommendations that would be voted on by the entire faculty.

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2003 Council Hopes To Involve Students

By Katherine H. Allen

The Class of 2003 council has started a new program to involve more students in planning class events and functions.

The Freshmen Forum, created by Class of 2003 President Patrick D. Kane '03, attempts to utilize MIT's "house pride" by using representatives from the dormitories and fraternities, sororities and independent living groups to publicize class activities. In addition, Forum members will be the "eyes and ears" of the class council, Kane said, in order to better address class issues.

Freshman Forum involves students

"The Freshman Forum will be the first [program] of its kind at MIT. It will help to promote widespread involvement and will serve as a medium in which Living Groups and Dorms can have their ideas and opinions adequately represented," Kane said.

Class councils typically plan a number of activities each term, including social, academic, and community service events. Normally, class officers are responsible for planning such events. Kane hopes that the forum will distribute events planning among more freshmen.

"This Thursday's forum will also inform members of upcoming activ-

ities; one of the most immediate being during Family Weekend," Kane said. "On the Saturday following the forum, freshmen will have the opportunity to participate in a joint student/parent community service event to be held on-campus."

Forums represent dorms, FSILGs

Kane hopes that forum meetings will consist of representative freshmen from every living group at MIT. There will be at least one representative from every fraternity, ILG, sorority, and several from each dorm, Kane said, perhaps even one from every floor or entry in each dorm. These representatives would act as liaisons to council officers.

"This is a necessary evolution in MIT's Student Government," Kane said. "As a class we intend to illustrate the significant benefits that can be reaped from a well-founded means of broad range communication."

Kane hopes that Thursday's opening forum will show members the many ways they can contribute.

"As a member of this new body, each individual will be asked to give input on a variety of class and MIT related issues," he said.

The class council hopes to have the first forum in time to get freshmen involved in Family Weekend and other upcoming campus-wide events, as well as to plan socials and study breaks for the class.



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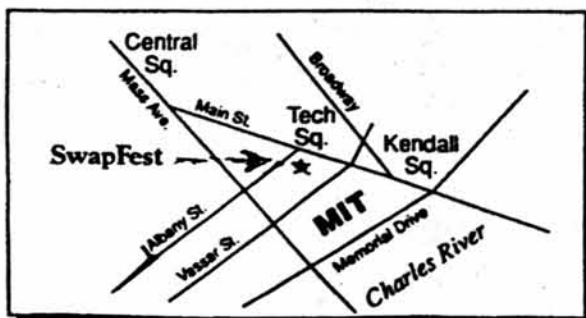
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A noise canceling aviation headset using a speaker and microphone in the earcup to eliminate ambient cockpit noise so pilots can hear crucial control tower information clearly.

The problem, part 1:

When the earcup is clamped tightly against the head, the speaker is driving into a highly resonant structure. (The earcup is small compared to low-frequency wavelengths, yet large compared to high-frequency wavelengths. So the impedance vs. frequency seen by the driver varies substantially in magnitude and phase.) The control system must compensate for these high Q resonances – a difficult problem in itself.

The problem, part 2:

In practice, there's always a leak between the person's head and the earcup, which changes the acoustic transfer function. The size of the leak varies with the clamping force and the shape of the wearer's head.

The challenge:

Design a high-bandwidth, high-gain control loop that's stable even when the high Q resonances vary wildly in frequency.

If this is the kind of challenge that interests you, let's talk. Share your thinking with us at these on-campus events:

TechTalk with a Bose Senior Engineer

Monday, November 1 at 6 P.M.

Room 4-149

On-Campus Interviews:

Tuesday, November 2

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Student Groups Appeal ASA Finboard Allocations

By Aurora Schmidt
STAFF REPORTER

The Undergraduate Association Finance Board recently announced the results of fall appeals for student group funding.

A total of 51 student groups applied for additional fall funding. Of the 110 groups that submitted requests in the original budget compilation, 30 groups appealed their original allocation. Other appeals were from groups who failed to apply for money during the original allocation session.

The Undergraduate Association had a total of \$191,420 to give to student groups this year. However, groups requested a total of \$313,177.34 for this semester alone.

One of the groups that requested additional money did so only because its treasurer did not realize they had gotten money during the spring budget compilation. Groove Phi Groove's new treasurer requested \$310 in funding, not realizing that the group had already received \$800 from Finboard.

Finboard is currently planning to rescind \$490 of the original allocation, and give Groove Phi Groove all of their \$310 appeal.

Reactions to appeals mixed

Some groups were thrilled with the amount of money they received, said Finboard Chair Edgar H. Martinez '00. Martinez said that he received letters of thanks from several groups that were pleased with the attention Finboard gave to their budget needs.

Other student groups like the Japanese Association of MIT and the Central American Students were told to go to The Graduate Student Association for money, because a majority of their members are graduate students.

"We mostly fund only groups that have a majority of undergraduates, unless they can present some special reason why they cannot get money from the GSC," said Mendel Chuang '02, a member of Finboard.

New Finboard rules take effect

This year's appeals process was the first in which Finboard no longer allocated funds based on itemized requests. Instead Finboard allocated money for four separate categories of financial need, including operations, capital, events, and production and publicity.

This change allows groups more flexibility in the ways they can use their funds, Chuang said. "It is a good step towards making Finboard more student-group friendly," said Chuang.

Some groups appealed merely to reorganize their funds. The MIT Marching Band, for example, appealed on record for over \$2,000. However, the group was not requesting additional money, but just a reorganization of the uses for which the funds were allotted.

Days for budget changes created

Another change in Finboard procedure led to the addition of three days throughout each semester in

which groups can reorganize their money or appeal for more funds. This change is intended to help groups who run into unforeseen expenses during the semester.

These budget reorganization days are also intended to increase

the percentage of each grant spent by groups. In past years, groups have spent an average of 67 percent of the money they received from Finboard. The UA would like to increase this percentage to at least 85 percent.

By allowing groups to ask for more money during the term or change the uses for which money is allocated, the UA hopes to use its money more efficiently. Tomorrow will be the first of these updates for this semester.

Finboard Allocations

Group	Amount Requested	Amount Awarded	Group	Amount Awarded
Aeolus	2,600	400	MIT Gilbert and Sullivan Players	820
Alternative News	550	550	MIT Hillel	1,550
Alternative Spring Break	550	14,880	MIT Kendo Club	800
American Medical	2,600	650	MIT Snowboarding Club	1,000
American Red Cross	3,280	225	MIT Womens Coalition	325
Amnesty International	1,000	115	Mocha Moves	2,280
Association of Taiwanese Students	1,560	60	MODEL UN	2,300
Black Christian Fellowship	715	0	Muses	1,000
Black Women's Alliance	2,000	750	NSBE	6,700
Bulgarian Club	800	0	Oori	855
Campus Crusade for Cthulu	100	350	Pagan Studnet's Groups	260
Central American	950	0	PaksMIT	8,050
Chess Club	150	150	Plush Daddy Fly	570
Counterpoint	5,695.84	1,200	Pom Pon Squad	1,400
Cross Products	575	165	SAAS	600
Dance Mix Coalition	2,000	300	SEDS	1,250
Dance Troupe	6,150	1,100	SHPE	2,573
Groove Phi Groove	310	800	Sloan Undergrad Manage. Assoc.	3,674
Hawaii	1,860	700	550	
Japanese Association of MIT		1,400	Songwriting Club	1,500
JSU	250	25	SWASS Distribution	1,000
Kabaddi Club	150	150	Tech Jazz Singers	1,260
Korean Student Association		2,270	TECHIYA	630
Mexican American Engineers and Scientists	1,050	320	Turkish Student Association	1,550
Marching Band	2,120	0	Total Amounts	103,407.84
MIT Debate Team	800	450		21,924
MIT EMEG	1,680	750		
MIT Equestrian Team	3,715	800		



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Place: MIT Faculty Club

Attire: Casual

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**Natalie Calia
Recruiting Manager
Booz·Allen & Hamilton
101 Federal Street
Suite 1900
Boston, MA 02110
617-342-7161**

Resume Deadline: October 27th

GSC MEETING MINUTES

Introduction and Remarks

• President introduced recent GSC activities. Fall '99 Career Fair had a five-fold increase in the number of companies over the 1998 GSC Career Fair. Recognition to Keith Low for his excellent job as GSC's director of the Career Fair, and the rest of the Council for their volunteer effort.

• With 180 and 100 students in attendance, the Professional Development Seminar Series for 1999 has an impressive start. The success of these events along with orientation have built significant momentum for the GSC this year.

• A reminder: Voter registration deadline is October 13 for the Cambridge City Council election. The election date is November 2.

GSC Strategy

• Over the last few years, the involvement of the Council in organizing activities and dealing with issues has been rapidly increasing. From the strategic planning process and the work of the officers, two strategic foci for the GSC have been identified: (1) strengthen the tie between graduate students and alumni, and, (2) enhance the representative nature of the Council and its members. The more GSC can collaborate with other organizations, the more that can be achieved.

• November 11 is the new representatives retreat at MIT Endicott House. This is a good opportunity for representatives to

acquaint themselves with one another as well as the goals of the Council.

• Vice President introduced the procedural requirements to get involved with GSC as outlined in the constitution and by-laws:

- Officer: Statement of purpose and speech at GCM.

- Committee Chair: Current chair nominees and approved by the committee.

- Institute Committee Representative: Statement of purpose and interviews.

- Departmental Representative: 20 signatures from students in department.

• Does the requirement of 20 signatures place a huge burden in joining GSC? The responses suggest the requirement is reasonable and helps students to identify with others in their department. An additional suggestion is to require the signature of the departmental graduate administrator. It also seems to be generally known that one can participate as a regular member with no pre-requisites.

• We still require representatives from the following departments: Courses: 3, 5, 6, 7, 9, 11, 12, 13, 22, 24, SDM, STS, MAS, living groups

• A question was raised about whether representatives have enough contact with their departments to form a consensus opinion, not just their individual opinion? Response: Yes, representatives present noted that they usually talk to people who are also interested in the same issue, e.g.,

housing.

1998 GSC/BGSA Diversity Resolution

• A representative from Black Graduate Students Association was invited to provide an update on this topic. BGSA and GSC passed a joint resolution on February 4, 1998. (text located at: <http://www.mit.edu/activities/gsc/Resolution/diversity.html>)

Advocacy efforts are focused on working with the Graduate Student Office to develop recommendations on recruiting and welcoming efforts such as a spring diversity weekend similar to the undergraduate Campus Preview Weekend. Support and ratification of the resolution is sought from other student groups on campus.

• GSC needs better data on minority students at MIT. This requires more complete data collection and better use of data. Information in the MIT guidebook does not accurately portray the demographics.

• Recruitment of minority graduate students is hard to do centrally at MIT. A suggestion was given to learn from the International Student Office because MIT does a good job recruiting international students. This success was attributed to the international name recognition and reputation for MIT as opposed to an active recruitment strategy.

• A survey was suggested that would focus on undergraduate institutions and their perceptions of graduate school options. This survey would provide insight

on the recruitment issues relating to current perceptions of MIT.

The privacy issue has been heightened within the past two years. This may have some bearing on calling incoming students.

• "Energizing The Future! Changing Faces of Graduate-Professional Education in the new millennium" is the title of the 14th National Conference of the National Association of Graduate and Professional Students. GSC is planning to send four representatives to attend this conference in Columbus, OH from November 17 to 21.

• It is not yet known if the most critical need lies in attracting minority students to MIT as applicants, encouraging them to attend once admitted or the process for making admissions decisions. More information is needed before a specific action plan can be endorsed. This topic will be reviewed at the November Council meeting.

Intellectual Property issues

• "Drafting a Better Patent Policy for Students," an opinion article by Professor Amar Bose from the September 28, 1999 Tech was distributed.

• Bose's assertion that MIT's patent policy was unfair to students was discussed.

• MIT's policy is that students surrender their rights to intellectual property by using MIT resources or property. Students only receive royalties in any commercial use of their work. Students increasingly need to prove certain commercial use to get their

authors@mit
presents

Susie Bright

speaking on her new book

Full Exposure

Friday, October 15, 7:30 p.m.

Wong Auditorium,

corner of Amherst & Wadsworth Sts., Cambridge



Hailed by *Utne Reader* as "a visionary" and the *San Francisco Chronicle* as "the X-rated intellectual," Susie Bright is indisputably the "sexpert" of our times. In *Full Exposure: Opening Up to Sexual Creativity and Erotic Expression* (Harper San Francisco) she offers "rules to live by" and asserts that "sexuality is the soul of the creative process, and that erotic expression of any kind is a personal revolution."

"Ms. Bright refuses to let the sexual controversies of our day poison her passion." —*New York Times Book Review*

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David Goldsmith, our Director of Quantitative Equity Strategies, will be interviewing candidates at MIT on Tuesday, November 16, 1999.

Candidates should forward a resume, a copy of an official transcript, and a cover letter with GPA and SAT scores by October 28, 1999 to:

Sarah Parsons
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POLICE LOG

The following incidents were reported to the MIT Campus Police between Sept. 28 and Oct 7. Information is compiled from the Campus Police's weekly crime summary and from dispatcher logs.

This does not include medical shuttles, ambulance transfers, false alarms, generals service calls, or incidents not reported to the dispatcher.

Sept. 28: Boston, Tau Epsilon Phi, complaint of dumpster overflowing; Sigma Phi Epsilon, bike stolen, \$300; Hayward lot, animal left unattended in vehicle; Baker, wallet stolen \$20 cash and credit cards; Bldg. 10, room broken into and laptop stolen \$800; Cambridge, Alpha Tau Omega, complaint of overflowing dumpster; Bldg. E51, camera stolen \$1,500; report of a past unarmed robbery on Main and Ames Street; Bldg. 66, bike stolen \$340; Amherst Alley, vehicle stop for erratic operation; McCormick, suspicious activity; Bldg. E23 plaza, skateboarders; Bldg. NW61, check and inquiry, two individuals issued trespass warning; Bldg. E19, Cambridge Police report 911 hang up call, no cause found.

Sept. 29: Boston, Nu Delta, laundry stolen \$400; Bldg. W16, ladder stolen \$150; Baker House, fire in dumpster; Bldg. NW12, bike secured with U-lock stolen \$84; DuPont mens' locker room, wallet stolen \$10 cash; Harvard Boat Club, report of person falling in Charles River, notify State Police.

Sept. 30: West Annex lot, car broken into and radar detector stolen \$130; Bldg. 48, attempted larceny of computer; past report of suspicious person; Herman Garage, bike secured with U-lock stolen, \$675; Bldg. E15, attempted larceny of a gang box; Bldg. 2, annoying phone calls; Bldg. E51, report of suspicious persons, checked out okay; Pacific Lot, check and inquiry of person, check out okay.

Oct. 1: Bldg. E52, cell phone charger stolen \$40; Bldg. E18, suspicious package, checks out okay; Ames St., assist Cambridge Police with minor motor vehicle accident; Bldg. 14, report of suspicious activity on Internet; Boat House, suspicious person; rear of Bldg. W59, Suspicious activity; Student Center, person states being harassed.

Oct. 2: Bldg. 14, several rooms entered and several items stolen; Ashdown, check on party breaking up; Boston, Sigma Alpha Epsilon, noise complaint as people leaving party; Bldg. 7, report of streakers; Bldg. 39, suspicious person issued trespass warning; Bldg. E18, report of suspicious person; No. 6 Club, suspicious person, gone upon CP's arrival.

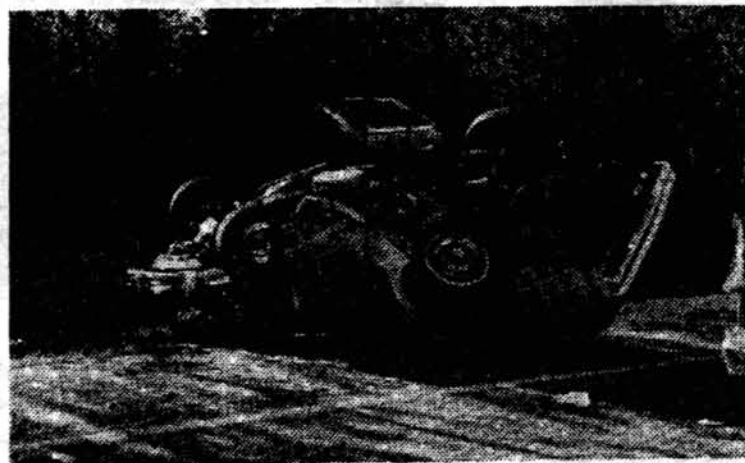
Oct. 3: Kresge Lot, past hit and run damage to vehicle; Bldg. NW10, check and inquiry, trespass warning issued; Bldg. E52, suspicious person, gone upon CP's arrival.

Oct. 4: Bldg. E52, chairs stolen \$500; Bldg. 1, annoying phone calls; DuPont Gym, 1) suspicious person 2) wallet stolen \$100 cash; East Garage, report of suspicious person; Bldg. 66, report of smoke, food burnt in microwave oven.

Oct. 5: Bldg. 3, computer stolen 800; Bldg. 2, chairs stolen \$720; East Campus, credit cards stolen from room; Phi Beta Epsilon, something thrown from roof; East Garage, check and inquiry, person checked out okay; Bldg. 26, bike secured with cable stolen \$80; Alumni Pool, past report of suspicious persons; Windsor Lot, routine check on person, trespass warning issued.

Oct. 6: Bldg. 8, graffiti; Student Center, safe broke into and \$500 stolen; No. 6 Club, fire in trash barrel; Walker, backpack stolen \$200; Bldg. NE43, report of homeless person, same gone upon CP's arrival; Bldg. 66, suspicious activity.

Oct. 7: Student Center, check and inquiry on two individuals, trespass warnings issued; Bldg. 14, suspicious activity; Bldg. NW17, check and inquiry, trespass warning issued; DuPont, check an inquiry of person who refused to identify self.



Ever Get Somebody Totally Wasted?

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CALL A CAB.
TAKE A STAND.



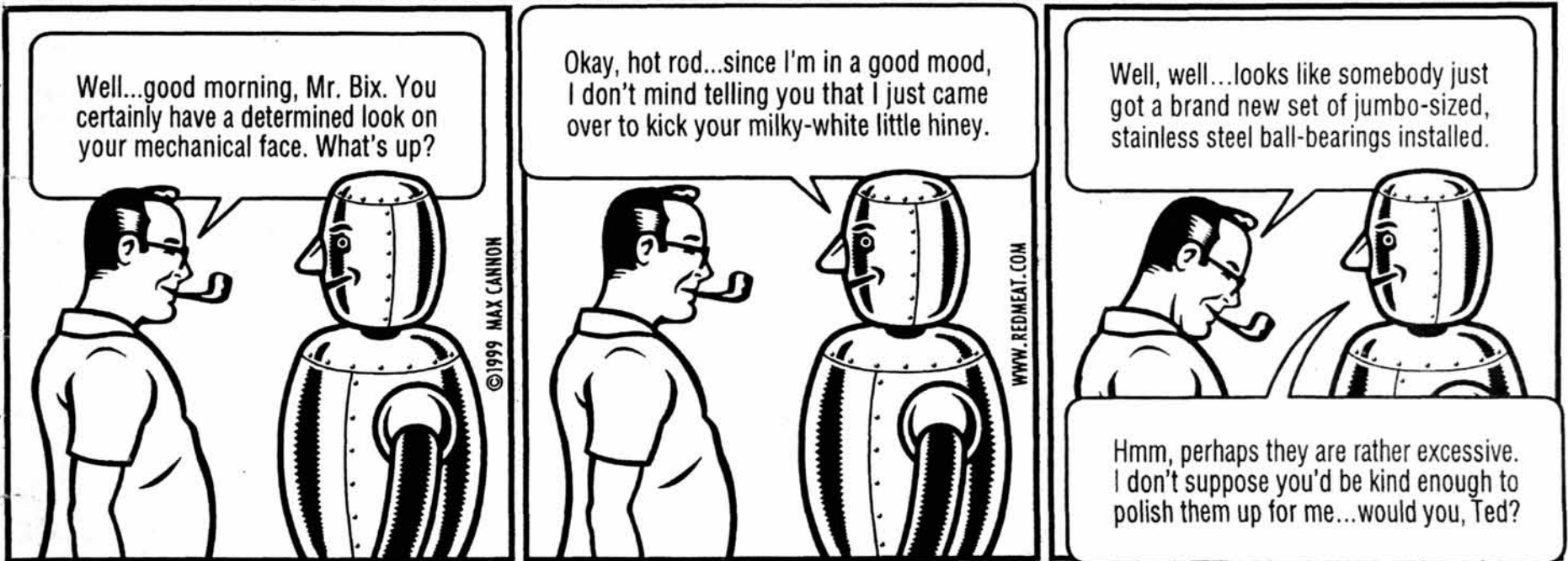
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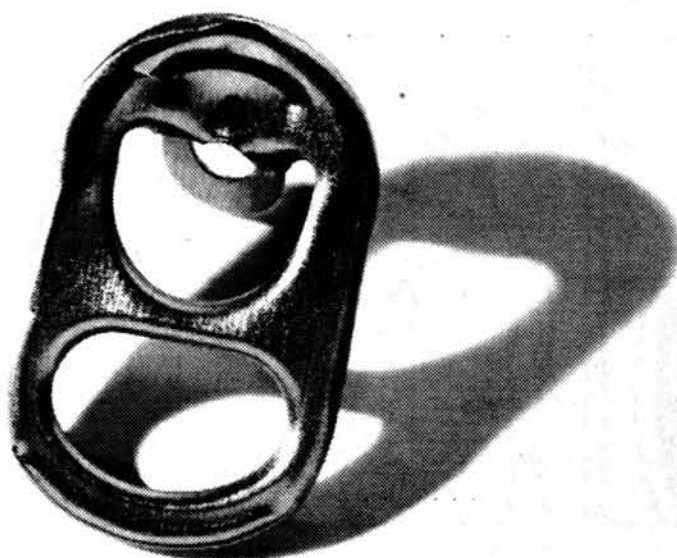
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MIT Creates a New Environmental Post

Save, from Page 1

come here and we haven't made use of our knowledge and insights to improve our own campus operations."

At one point, Facilities removed recycling bins that SAVE had put in place, said SAVE President Erik C. Snowberg '99. The new recycling bins that are being put in went through "about 12 different committees" to finalize the specifications of the containers, he said.

"Basically, the more convenient it is, the more students recycle," said Snowberg.

Keith hired during summer

MIT hired Keith, a lawyer, to carry out environmental operations in preparation for the conference and beyond, during the summer.

"My role at MIT is a new one. I was hired to coordinate the efforts of many people among the faculty, staff and student body," said Keith. In the past, MIT was a very decentralized place where individual

efforts didn't lead to results. "To achieve practical results on important environmental policies such as recycling, cooperative efforts are more effective."

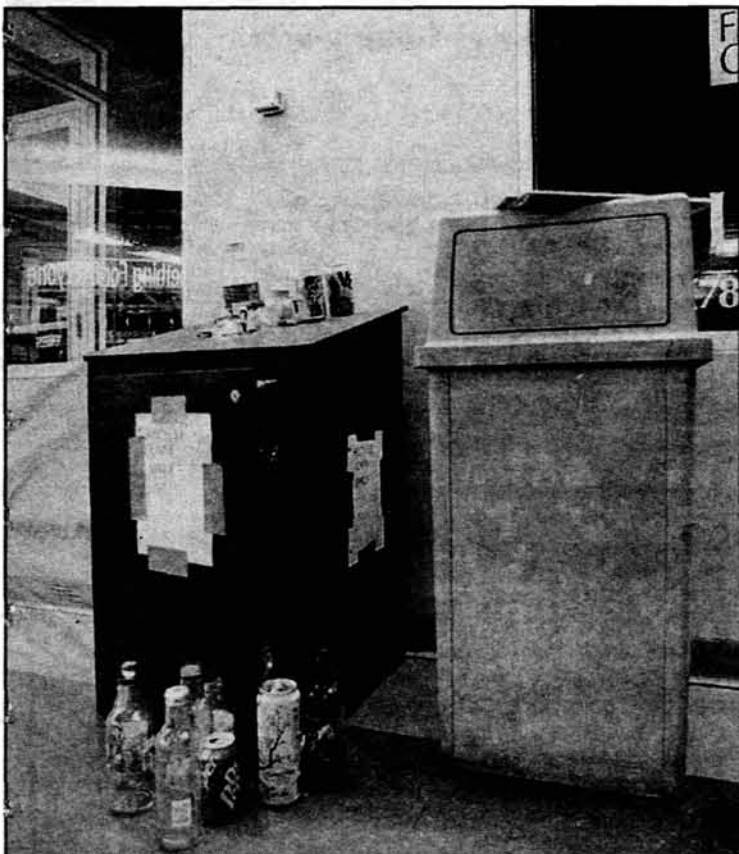
Keith said that in the past MIT was not heavily staffed to deal with environmental issues.

Moving onwards

Keith has formed a committee including students that meets every two weeks to coordinate implementing environmental issues on campus.

In addition to working on the logistics of placing containers across campus, SAVE is working on compliance issues with the State of Massachusetts, which recently mandated that all cathode ray tubes are to be recycled. "MIT throws away lots of monitors," said Kane.

"SAVE's contributions of knowledge and labor have been invaluable, and I look forward to their ongoing participation," said Keith.



JORG SCHOLVIN—THE TECH

Recycling bins have recently appeared across campus. This effort comes just months before a worldwide environmental conference is to be held at MIT.

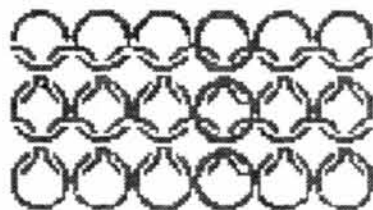
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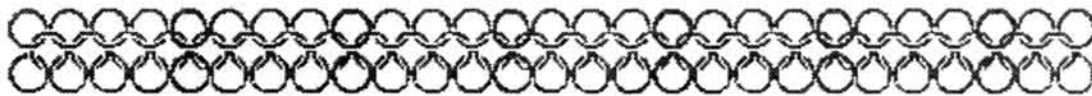
COME MAKE CHAINMAIL IN 3D.

THURSDAY, OCTOBER 14

7:30 PM

MEZZANINE LOUNGE

(ON THE THIRD FLOOR OF THE STUDENT CENTER)



The MIT Society for Creative Anachronism will lead a workshop on making chainmail, a flexible fabric constructed of linked metal rings which has been used since ancient times as a form of armor. All tools and materials will be supplied; however, tools may be limited: please bring needle-nose pliers if you have them.

For more information, e-mail sca@mit.edu or visit <http://www.mit.edu/~sca/>.

Brought to you by Mitgaard, the MIT Society for Creative Anachronism (MITSCA).



Fish tank.



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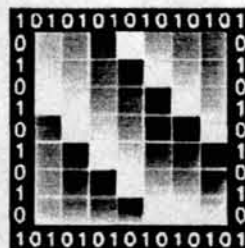
INVENTORS

Manage the invention process from idea to issue patent. Develop and coordinate new business and marketing ideas to be patented. Use your excellent writing and communication skills, problem-solving ability, strong interest in the Internet and technology, innovative thinking and strong sense of curiosity.

RESEARCHERS

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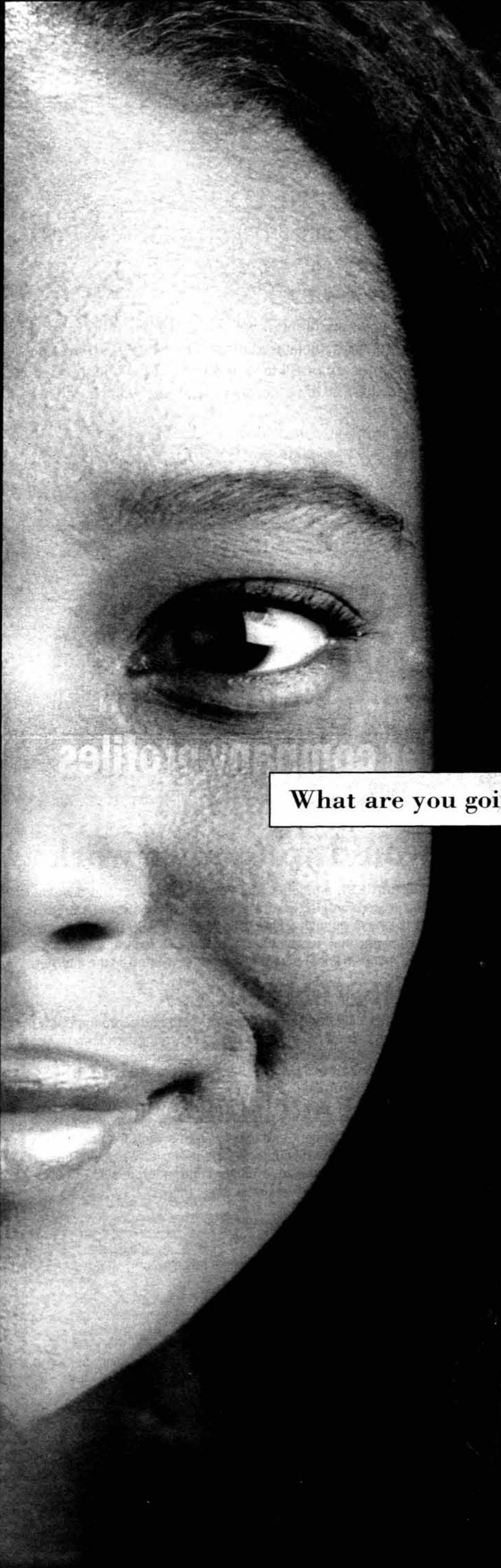
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A special welcome to these recent MIT alumni who are now working at AMS:

- | | |
|------------------------|----------------------------|
| Geoffrey Bloss, MBA | James Matysczak, 6 |
| Dedric Carter, MEng, 6 | Katherine Navarrete, 15 |
| Danica Cheung, 15 | Meredith Otterson, 15 |
| George Dolina, 6 | Pearl Shen, MBA |
| Ashok Eastman, 15 | Hoi Wong, 6 |
| Benjamin Hidalgo, 6 | Mykolas Rambus, intern, 15 |
| Michael Kashambuzi, 2 | |

What are you going to do about it?

We're going to be on campus soon to answer any questions you may have about who we are and what we do. Come meet us on the following dates and learn how you too can join the many MIT alumni at AMS.

**AMS Corporate Presentation
Tomorrow, October 13, 1999**

7pm-9pm, in 6-120, Casual Attire
A drawing will be held for a Palm V.
Must be present to win.
Refreshments will be served.

**AMS Fall Interview Schedules
October 28 and 29, 1999**

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Alumna Born Vows To Improve Schools

Born, from Page 1

community affairs while attending MIT. "What I learned at MIT was a big reason for my getting involved in politics," she said. "There was a sense of social justice. And I was being trained as an architect, so I had to ask myself: 'What makes a good city?'"

Born spoke fondly of MIT, but also said that, after raising four children in Cambridge, she became aware of the problems associated with universities and the rest of the city.

"We have very, very bright students in Cambridge public schools," she said. "There is no excuse for our not having public schools that are top in the nation. If we have two of the top universities in the country here, we can have the best schools in the country as well. Universities may think they have done their share, but they clearly haven't."

Born also said that although institutions in Cambridge have a great deal of wealth and brain power, the companies spun-off from them contributed to the current affordable housing problem by gentrifying the city. As a city councilor, she plans to establish a "real partnership between these institutions and the public schools."

Born called for students to become more involved in community service in order to change the current state of affairs in Cambridge.

"I learned a lot about social activism at MIT," she said. "I also learned that if you want to get involved in the community, you have to come and volunteer."

Born described her method of paying for MIT tuition. "I worked

my way through MIT by cooking," she said. "There was a weekly eat-out called the Baked Forum. For three years, I sold lunch to about 300 students to pay for school. These were the days before the Falafel Trucks... I guess I don't know what it's like today."

Born on Snowberg's campaign

Born expressed support for fellow candidate Erik C. Snowberg '99, the first student in Cambridge to run for a city council position.

"I think that having Snowberg run is a tremendous opportunity," she said. "I think it's welcome because we haven't seen any involvement from students in the past. They don't tend to vote and there appears to be a good amount of student apathy."

Born contrasted that apathy to the political involvement of students at MIT during her undergraduate years.

"I think that students need an issue to get involved around. When I was a student at MIT, students were committed to social activism... the reason I went to MIT, instead of Harvard is that I felt MIT had a conscience. People at Harvard were running in bowties. At MIT, they were wearing blue jeans. MIT had a connection with the real America."

Born hopes that more students get involved in Cambridge life, mainly through service. "I think that for students to be involved in the political life of the city, community service is the entree. My involvement started because of my commitment to public school education and zoning issues in my community. I think more students need to find their own issues to commit to."



GREATEST SHOW ON CAMPUS — A multiple act "circus" was held late Thursday night in front of the Green Building. Acts included balloon popping with fire. WAN YUSOF WAN MORSHIDI—THE TECH

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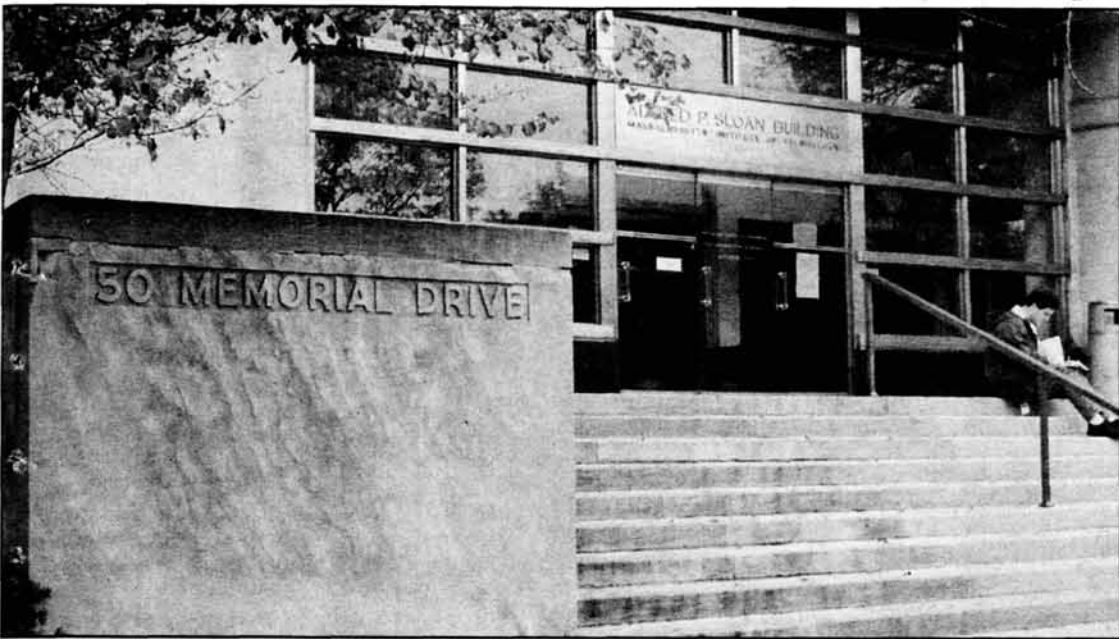
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Creating Minor Could Require Hiring Additional Sloan Faculty



TECH FILE PHOTO

The Sloan School of Management is considering offering a minor in Management to undergraduates in 2001.

Minor, from Page 1

would not personally want to take the minor, but he could understand why others would. "It would be very valuable for entering the business world. I'm sure people here think of their entire career," Cho said.

Kay M. Tye '03 agreed with Cho. Although Tye is planning on majoring in Course IX (Brain and Cognitive Science), she said that she would like to "start a new company or invent a new drug. So I would need to know how to market that drug. It's where the money is and I want to make money."

Another first-year student, Jesse K. Baker '03, said that she has not decided on a major yet, but that a management minor would be a good idea. "I am thinking of a biomedical engineering minor. If I don't do that, I would probably do some kind of business minor so I could have more options for a career," Baker said.

More faculty would be needed

Currently, students must enter a

lottery to enroll in certain Sloan classes, typically the higher level finance courses. This system could become overloaded if more students try to take classes at Sloan. To compensate for these additional students, Meldman said that he expects "a significant increase in the size of our faculty. We hope once the minor begins, we will be able to accommodate more students altogether."

Meldman thought that MIT would most likely help Sloan obtain additional faculty. At a recent faculty meeting, Meldman said, Chancellor Lawrence S. Bacow '72 said that the Institute would like to see more undergraduate education in management.

Assuming that the minor encounters no major roadblocks, everything except new faculty hiring should be approved by January. Because hiring faculty is difficult in mid-year, Meldman said, these positions could most likely be filled by the fall of 2001, at which time the new management minor could be implemented.

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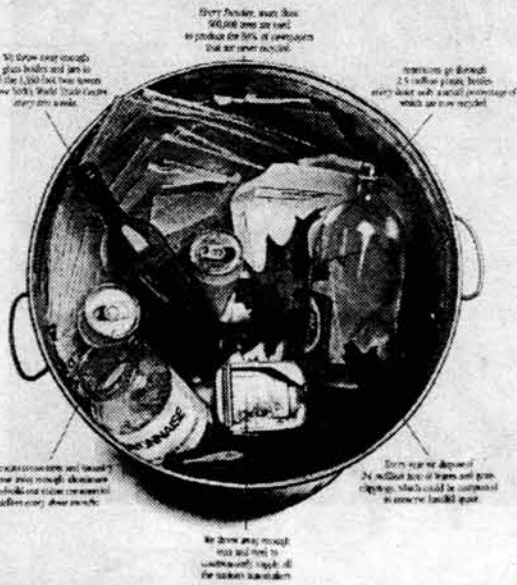
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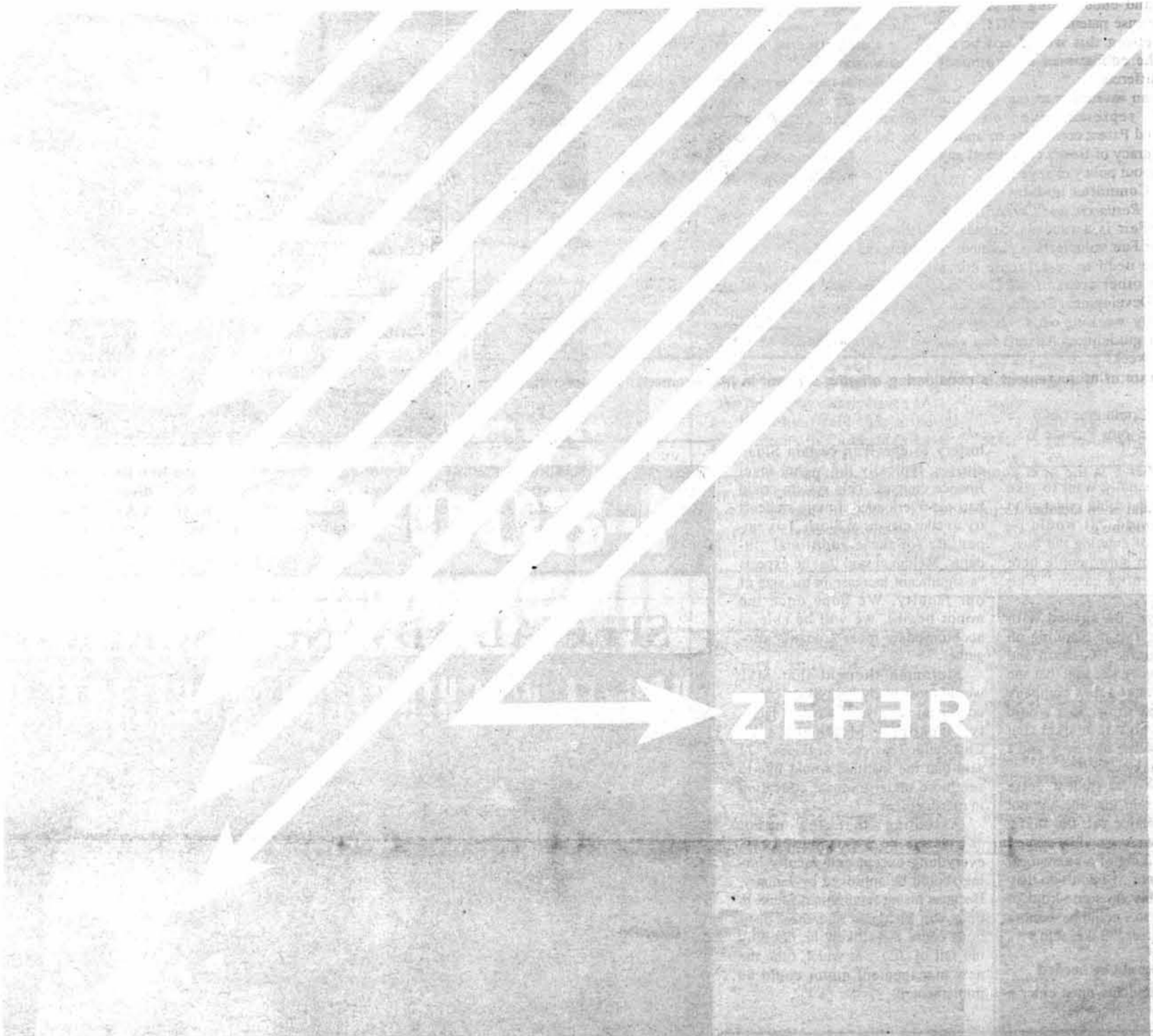
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GSC MEETING MINUTES

Minutes, from Page 23

work patented. It usually takes \$20,000 for TLO to get through a patent process.

- The question was left unsettled as to whether the patent policy should be more convenient and encouraging to students wishing to license patents from MIT. In an industrial setting this would not be an issue, but the educational environment ought to be different.

- Extend an invitation to our Institute Committee representative on the Copyrights and Patent committee to update us on the accuracy of Bose's claims and any discussions about policy change.

Committee updates

Academic, Research, and Career (ARC)

- Career Fair is a success. Social to reward Career Fair volunteers is planned.

- Feel the need to re-allocate some money from other areas of ARC to the Professional Development Seminar Series.

- Currently working on revising the Travel Grant guidelines. Advertising will begin in two weeks once the guidelines are confirmed. Externship recruitment should begin soon.

Activities Committee (AC)

- Brian Lee joins Pubudu Wariyapola as chair.

- November 8 is the next committee meeting.

- GSC Social is on October 15 (open to all graduate students).

- Hiking Trip is on October 23.
- AC is collaborating to develop a campus dinner series to bring faculty and students together in a purely social venue. This falls in the broad category of building community within MIT.

Housing, Community, and Affairs Committee

- Committee is currently without a chairperson.

- Rental rates stories from MIT graduate students are included an October 3 Boston Globe article. This contact was facilitated by the HCA discussion list.

Orientation Committee

- Co-ordination with other departments should be arranged very soon.

- Chairs for next years orientation should be identified soon in order to complete the planning in a timely manner.

Publications Board

- Graduate Student News distributed on October 7.

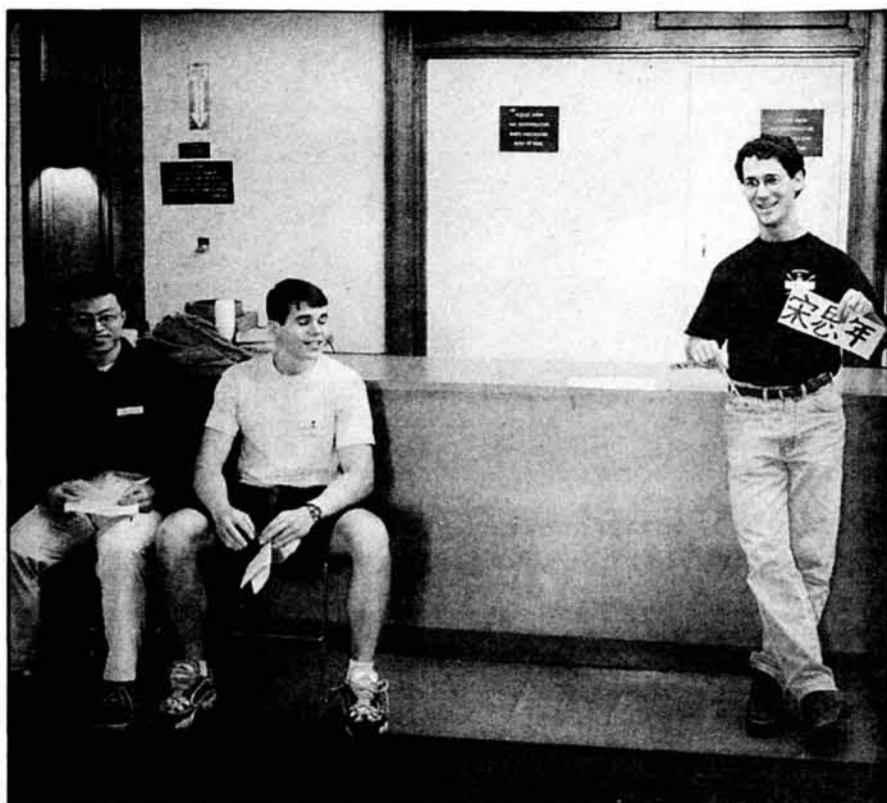
Muddy Charles

- The Muddy Charles Pub is having a cribbage tournament, anyone interested should sign up at the Pub.

Announcements

- Council on Educational Technology has positions available for graduate students. This is extremely relevant considering the recent partnership between MIT and Microsoft to develop I-Campus.

- ODSUE Hearing Panel needs graduate student representation.



JAMES CAMP—THE TECH

MAKING AN IMPACT – Delim Shen G, Chris Spohr G, and Ron Dror G teach elementary students from Hyde Park Community Center about diversity and prejudice. This skit was part of Saturday's kickoff for "Project Impact Wrench," a mentoring service held by the Graduate Student Volunteer Corps.

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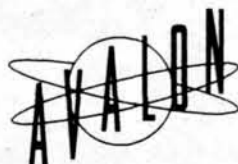
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