

Police lines section off MacGregor courtyard after Michael Manley '02 fell to his death from the 14th floor in an apparent suicide Saturday.

Suicide To Blame In Death of Freshman

By Zareena Hussain and Wesley Chan
STAFF REPORTERS

Michael P. Manley '02 died Saturday afternoon after falling from the 14th floor of MacGregor House in an apparent suicide.

Damien N. Burke '02, who lives in MacGregor H entry, said that he heard a scream at about 2:50 p.m. and called the Campus Police. The CPs arrived on the scene within about 2 minutes, Burke said.

Manley was transported to Beth- Israel Hospital where he was pronounced dead at 3:15 p.m., according to Senior Associate Dean Robert M. Randolph.

Manley, 17, a resident of

MacGregor G-entry, was a student in the Experimental Study Group his first semester at the Institute. He had expressed interest to friends in majoring both in writing and in urban studies and planning. Manley also wrote for *Counterpoint*, a joint



Michael P. Manley '02.

MIT-Wellesley student publication and had recently started working on a UROP in regional transportation planning. He was from Tempe, Arizona.

Manley a caring student

"Michael was a warm, funny and very bright young man who would have excelled at MIT. He was also a very talented writer and storyteller.

Suicide, Page 19

Oppold Urges Change In Address to the UA

By Laura McGrath Moulton

Undergraduate Association President Paul T. Oppold called for sweeping structural changes within the UA and greater long term planning in his ambitious and wide-ranging State of the UA Address last night.

Oppold explored his overall vision for the future of the UA — a proactive and policy-driving student government in his yearly speech. Currently the UA spends too much time simply reacting to events and administrative decisions, he said.

Oppold's address focused on the structure of the UA and its role in the larger MIT community. While characterizing the UA as "strong, responsible, enjoyable, active, and effective," he cautioned that it had nonetheless "reached the pinnacle of its current structure" and must be revamped if future progress is to be made.

Oppold plans to revamp UA

Oppold outlined a new UA structure to be developed in two phases. A "quick fix" will occur in the next six months and will involve a larger UA Council including representatives chosen by major and class year as well as by living group.

In the longer term, the structure of the UA would be more completely overhauled under Oppold's plan. The Council would serve more strictly as a legislative, rather than an executive body and would meet about once a month.

The executive branch would also be enlarged to create a "breadth in hierarchy" so that undergrads could have more opportunities for advancement within the UA.

In addition, a cabinet would be created to serve as a more effective

liaison with the administration. Cabinet members would be assigned to key administrators with whom they would meet on a regular basis. Oppold said that several administrators, including Associate Dean for Residence Life and Student Life Programs Andrew M. Eisenmann '75, have responded favorably to the idea.

Oppold also called for a more powerful role for the judicial branch of the UA. Noting that students facing disciplinary proceedings currently have recourse only to administrators, he called for greater student input and authority in matters of discipline.

To round out his vision of a more proactive UA, Oppold announced the creation of a new committee, the 2010 committee. He noted that 2010 will be in many respects the end result of the issues currently up in the air over 2001. The exact goals, duties and membership of the committee will be announced at a later date.

Oppold discusses achievements

Oppold also discussed his administration's achievements. Recalling his campaign promises, he mentioned the Fall Festival, Spring Weekend, and discussion of the social role of the Student Center in fulfillment of his goal to find "alcohol alternatives" for undergrads. In addition, he stressed his commitment to fostering "well-rounded opportunities" through student activities funding boosts and careful evaluation of undergraduate scheduling.

Even as Oppold was making his address, the race to succeed him was beginning. Petitions for candidates to be placed on the ballot for UA president are due February 20th.

Lotus Founder Kapor Advises \$50K On New E-Commerce Opportunities

By Sanjay Basu
ASSOCIATE NEWS EDITOR

Last Thursday, the MIT \$50K Entrepreneurship Competition kicked off with a speech by Mitch Kapor, the founder and former CEO of Lotus Corp. Kapor, a judge for this year's contest, discussed his expectations for business in the next century, specifically in the competitive field of electronic commerce.

The annual \$50K contest challenges teams of students to create plans for future businesses in pursuit of a \$50,000 award.

Kapor said that he preferred to invest in young companies in hot fields. "What's the fastest growing space?" Kapor asked. "E-com-

merce, of course." But Kapor warned that competition in the e-commerce industry, especially from Microsoft, has driven many companies out of business.

"Be careful. You have to be aware about what other people in the business are doing, especially when it comes to electronic commerce," he warned. "Ask yourself, what is the Microsoft strategy here?"

Although the audience laughed at his question, Kapor remained serious as he explained that software companies ignoring Microsoft's role in their industry are planning for failure.

"How are you going to create a

sustainable advantage? You're going to have to deal with Microsoft somehow. It could be that you find an industry that is too small for Microsoft to cater to. It could be that they're not interested... which doesn't happen very often. Or you could plan to make really good software and have Microsoft buy you out sometime."

"Microsoft is not a contestant, they're an environment: dominant, ruthless... you have to account for them. I started Lotus, and I have Excel running on my own computer. God!"

But the founder of Lotus also had less mainstream opinions about Microsoft to present to the \$50K audience.

"I wouldn't continue betting on Microsoft all the time. At any moment, all of our Microsoft products could fall like the Soviet Union," Kapor said. "The history of computer technology has been documented by sudden declines and disasters from companies that used to be giants. Computers mean tough business... and sometimes mean bad business."

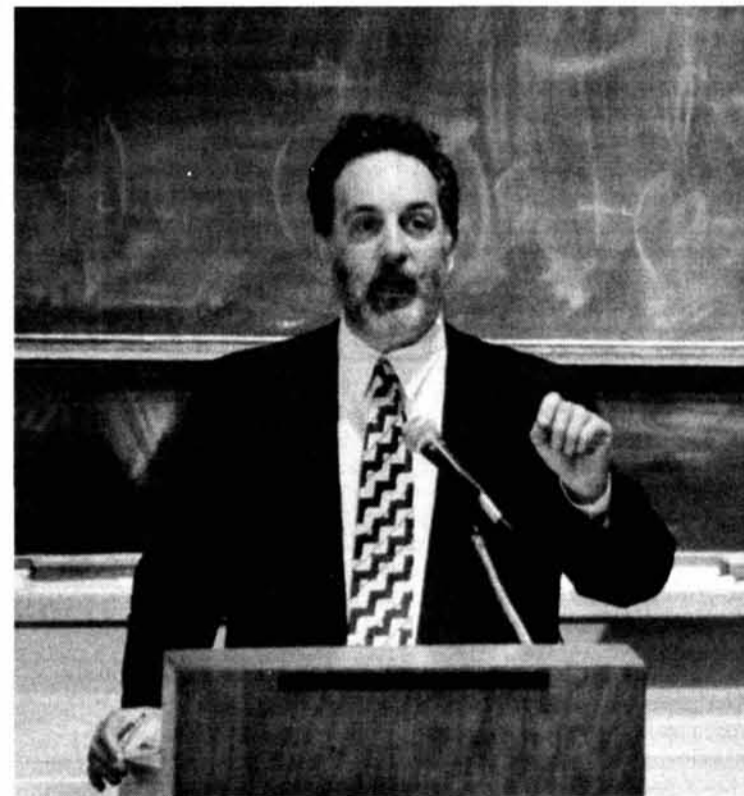
Kapor warns audience

Among Kapor's chief concerns about business is the problem facing businesses that are not technologically-oriented.

He advised the \$50K competitors to focus on selling their products to the average consumer and finding more effective ways to market their goods.

"We've become slaves to our computers," he said. "It's incredible to see some corporations pay \$115 per hour to consultants who hook-up printers. I don't know how this happened. I know it has something to do with DOS and Windows... and maybe I had something to do

\$50K, Page 21



DEBBIE CHANG

Mitch Kapor speaks to students about business and industry at the \$50K Entrepreneurship Competition Thursday in 10-250.

Treadway fills new position to further assist Fraternities, Sororities and Independent Living Groups.



Comics



The Tech reviews recent student theater.

World & Nation2
Opinion4
Arts6
TechCalendar14
Police Log20
Sports24

WORLD & NATION

Presidential 'Maybe' Dole Speaks

LOS ANGELES TIMES

MANCHESTER, N.H.

Elizabeth Hanford Dole brought her question-mark candidacy to New Hampshire Monday night, using her first political outing to offer a critique of the country's climate, but no clue about her personal plans.

In a broadly thematic speech to a Chamber of Commerce audience, the possible presidential hopeful called for lower taxes, better schools, a redoubled effort to fight drugs and a stronger national defense — but offered few specifics or much else to differentiate herself from a crowded GOP field.

Her most pointed comments were aimed at President Clinton. "At a time when the presidency has been tarnished, when words have been devalued and institutions have squandered respect, our confidence in our leaders is shaky," Dole said. "But we can rebuild it."

Dole's banquet appearance before a sell-out crowd of 1,200 guests was officially billed as a non-partisan, non-political event. The invitation was extended by the Greater Manchester Chamber of Commerce several months ago, when Dole was still head of the national Red Cross.

In Dole's case, given her exploratory efforts and position near the top of opinion polls, the speculation proved almost more than traffic could bear. Representatives of more than 40 news organizations, including television crews from as far away as Germany and Japan, jammed a concrete exhibition hall for a vaguely worded address aides touted — forget what the Chamber said — as Dole's "first major political speech."

MCI WorldCom Wins Contract

THE WASHINGTON POST

MCI WorldCom Inc. Monday won a Department of Defense contract to provide telecommunications services to the Army and Air Force Exchange Service (AAFES) over a seven-year period.

The agreement, which could be worth up to \$1.5 billion to the telecommunications company, comes just one month after it won a key contract to provide long-distance and data services to the federal government — its largest contract since the company was formed by a merger in September.

AT&T Corp., Qwest Communications International Inc. and Sprint Corp. also bid for the exchange services contract, which is currently held by AT&T. The new contract takes effect March 2 and includes a three-year option.

Under the exchange contract MCI WorldCom will provide a "whole basket of telecommunications services," said Jerry Edgerton, senior vice president of government markets for the company. This includes installing more than 16,000 pay phones at Army and Air Force bases worldwide. The company also will sell its prepaid calling cards in commissaries and exchange stores and provide residential Internet and telephone services to the bases.

Gridlock Faces Berlin's Schroeder

THE WASHINGTON POST

BERLIN

With his government suddenly stripped of its majority in parliament's upper house, Chancellor Gerhard Schroeder faces the prospect that his legislative program may be paralyzed by the same kind of political gridlock that undermined his predecessor, Helmut Kohl.

On Sunday, less than four months after taking office, Schroeder's ruling Social Democrats and their coalition partners, the Greens, suffered a stunning setback when the opposition Christian Democrats scored an upset victory in elections in the state of Hesse. The outcome tilts the balance of power in the upper house, the Bundesrat, in the opposition's favor and gives a blocking majority on major legislation to the opposition.

During his campaign, Schroeder accused Kohl of allowing Germany to stagnate by failing to enact legislation to address the country's most pressing problems. In his defense, Kohl contended he was stymied by the Social Democrats who held majority veto power in the Bundesrat.

Clinton Speaks with World Leaders at Hussein Funeral

By Sam Fulwood III

LOS ANGELES TIMES

AMMAN, JORDAN

President Clinton used the remarkable gathering of Middle East and world leaders at King Hussein's funeral Monday for some political arm-twisting during a series of informal and chance meetings with regional leaders and other foreign dignitaries.

National security adviser Samuel R. "Sandy" Berger said Clinton had a series of chats with world leaders as they paid final respects to the Jordanian leader, who died Sunday of cancer.

"The president really, I think, met with almost everyone," Berger told reporters. "The discussion was usually brief, but usually it was to make some point, often Jordan-related."

The funeral procession created long delays, giving Clinton ample chance to circulate among the mourning world leaders as if it were

a giant, somber cocktail party.

When Russian President Boris N. Yeltsin saw Clinton at the funeral, he shouted out: "Beel Clinton," wrapping his old buddy in a bear-hug greeting, Berger said. "They talked," he said. "And it was mostly just personal chatter."

Clinton also found time to discuss elections coming up this month in Nigeria with that West African country's officials.

He spoke with French President Jacques Chirac and British Prime Minister Tony Blair about the talks they are sponsoring in France to find a solution to the conflict between Serbs and ethnic Albanians in Kosovo.

At every opportunity, Berger said Clinton used the personal chats, which lasted five to seven minutes each, to press for support for Jordan's troubled economy, and for his Middle East peace policies.

Clinton didn't find time to speak with the large Iranian delegation

that attended the funeral, Berger said.

"Hussein really did bring people together," Clinton told U.S. Embassy employees after attending the daylong funeral ceremonies.

Then, as if to underscore the point, Clinton said the Israeli delegation to the funeral included the major candidate for prime minister in May elections. "I could hardly believe my eyes," he said. "They were all walking together. I don't know if they talk at home, but they were all talking here."

Clinton made sure they talked to him, sidling up to each of them for brief conversations.

Clinton buttonholed Syrian President Hafez Assad who made a surprise trip to Amman for the funeral, Berger said. Asked whether Assad agreed to work with Clinton, Berger said, "Assad sort of said yes."

Pressed further, Berger said Assad agreed to work for peace. "But I couldn't see in his heart."

Legal Conundrums Dominate Closure of Impeachment Trial

By Ruth Marcus

THE WASHINGTON POST

WASHINGTON

In the five months since independent counsel Kenneth W. Starr's report triggered the impeachment proceedings against President Clinton, the facts have been endlessly rehashed, the gaps in the evidence stitched together and picked apart, the Constitution's framers invoked to endorse both prosecution and defense.

Yet the essential riddle presented by the charges against Clinton remains: the House managers offer the Senate a perjury case that is at its most convincing when it is also most trivial, and an obstruction case that portrays the president in a disturbing light but that is ultimately founded on dueling accounts and disputed inferences.

So it went Monday in the closing hours of the case, as both sides presented their final arguments in one the strangest legal proceedings in the annals of American law, a trial by video snippets that was all argu-

ment and no evidence unfiltered by one side or another.

With the trial straggling to a seemingly foregone conclusion of acquittal, the managers have as their strongest argument that Clinton committed perjury on the most picayune topics. However serious it may be to contemplate that a president lied under oath to a federal grand jury, removing him from office seems to many senators a grossly disproportionate response to lies about precisely where Clinton touched Monica S. Lewinsky or what month their dalliance began.

In other instances, the evidence on the perjury charge hardly seems to offer conclusive proof — for example, whether Clinton was paying attention when his lawyer recited false information at the Paula Jones deposition and whether he came up with his strained understanding of the definition of "sexual relations" on the spot at the deposition or only concocted it after the fact.

All of that may have contributed to the House managers' decision to

downplay the perjury charges during the Senate trial and concentrate on the more alarming but still flawed case that Clinton obstructed justice in trying to cover up his relationship with Lewinsky.

The obstruction case presents a scenario that is deeply troubling but at the same time contested and highly circumstantial. For example, the allegation that Clinton obstructed justice by arranging for the return of gifts that he gave to Lewinsky and that were subpoenaed in the Jones lawsuit requires senators to decide between Lewinsky and presidential secretary Betty Currie about who initiated the gift retrieval and to infer, even if they credit Lewinsky's detailed story over Currie's hazy recollection, that Clinton orchestrated it.

Consequently, the obstruction charge presents a somewhat shaky platform on which to erect the case that senators should oust a popularly elected — and still hugely popular — president. In making their cases, neither prosecution nor defense was dealt a particularly attractive hand.

WEATHER

Fair Weather February

By Greg Lawson

STAFF METEOROLOGIST

There's little of major interest on the weather front for the next day or so. We have a fairly zonal jet stream centered just to our south. Today a weak occluding low to our northwest will ride a short surface thermal wave by us just to our north. The leading edge of the wave's ridge is the low's warm front and its trailing edge is the cold front. Both will pass before tomorrow. Neither front has yet produced any serious precipitation and we can count on a dry afternoon and evening as well, though there will be some thick clouds early on. After the late evening passage of the cold front, the smooth zonal profile will be restored and a high pressure system from the mid-west will begin settle in over us. And here it will remain through late Thursday, ushering in with it mostly sunny skies and unseasonably warm temperatures.

The really interesting phenomena follow closely behind the high. A very deep trough is developing in the jet stream out over the west. As it travels eastward it will deepen further. By Thursday we will be under the ridge and hence will have very warm temperatures, probably in the mid to upper 50's. But, as with all waves, the trough will be in close pursuit — from the looks of the models, we could be in for a frigid weekend. There may be some organized rain and/or snow forming, but it is too early in the week to tell for sure. In the meantime, enjoy the clear skies and warmth.

Tuesday: Cloudy early on then clearing. Southwesterly winds picking up. High 45°F (7°C).

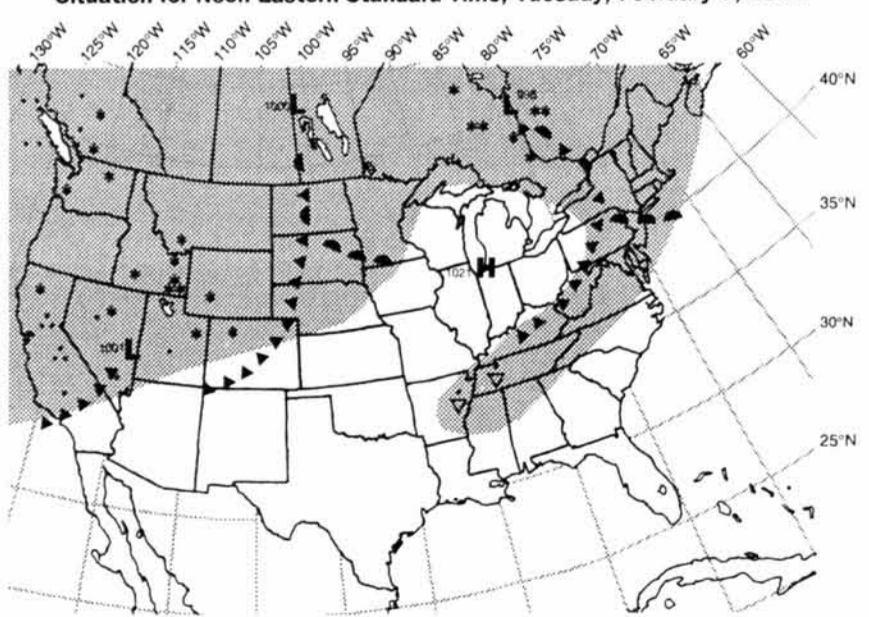
Tuesday Night: Clear and warm. Moderate westerly winds. Low 35°F (2°C).

Wednesday: Beautiful. Mostly sunny and unseasonably warm. High 48°F (9°C). Low in the mid 30s (1-3°C).

Thursday: Even warmer. High pressure center eventually pushed out to sea. High in the mid to upper 50s (13-15°C).

Friday and Weekend Outlook: Arctic air on its way. Possible precipitation associated with very deep trough.

Situation for Noon Eastern Standard Time, Tuesday, February 9, 1999



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	Snow	Fog
L Low Pressure	— Warm Front	Showers	Thunderstorm
§ Hurricane	▲ Cold Front	Light	Haze
	▲ Occluded Front	Moderate	
		Heavy	

Compiled by MIT Meteorology Staff and The Tech

McFarlane Paid \$3 Million for McGwire's 70th Home Run Ball

By Michael Grunwald
THE WASHINGTON POST

NEW YORK

Until Monday, Todd McFarlane was best known as a kind of entrepreneurial ghoul. He created Spawn, the gruesome best-selling comic book that became an Emmy-winning HBO series and a \$100 million-grossing New Line Cinema movie. He produced action figures for heavy-metal rock stars such as Ozzy Osbourne and KISS. He just released a Movie Maniacs line of toys immortalizing horror-film psychopaths such as Chucky, Jason and Freddy Krueger.

However, McFarlane is about to be famous for a fanaticism of a different sort. He announced Monday that he was the anonymous buyer of the historic ball Mark McGwire hit for his 70th home run of 1998, the so-called "crown jewel of sports memorabilia" for which McFarlane paid a record-obliterating \$3 million at auction last month. McFarlane said he wants to take the ball on a North American tour, with any pro-

ceeds going to charity. He also admitted that when no one is looking, he might play a bit of catch with it in his backyard.

"Look, I'm a sports fanatic," said McFarlane, 37, who spent last week at a Baltimore Orioles fantasy camp in Florida. "I've had a successful career, but I'd throw it all out tomorrow if I could play center field in the major leagues. In a heartbeat."

McFarlane also announced that in a series of separate deals totaling about \$300,000 more, he had purchased McGwire's first, 67th, 68th and 69th home run balls of the 1998 season, as well as Sammy Sosa's 33rd, which broke the all-time record for round-trippers in a month, 61st and 66th. Monday, in an unusual coda to a remarkable baseball season, he formally unveiled the McFarlane Collection ("It sounds better than The Guy Who Has More Money Than Brains Collection," he said) at a news conference in the Baroque Room at the sumptuous Plaza Hotel. He spoke

for about an hour in front of the glass-encased balls and his company logos, calling his motivations "a combination of business, charity and self-indulgence to the nth degree."

Sure, McFarlane said, he might have been "crazy" to spend most of his life savings — not including his business holdings — on a slightly smudged baseball. But a minute of advertising during the Super Bowl cost more than \$3 million, and McFarlane expects to get much more than a minute's worth of exposure for his business interests. He said he also saw a chance to do some good, to make sure the ball doesn't get locked in someone's vault.

In any case, McFarlane said, he's a guy. He thinks this kind of thing is cool.

"Women don't have the same silly wants and needs that men have," he said. "Guys can just look at this sedate piece of rawhide and go: 'Whooooo. It's the ball. Whooooo.'"

U.S. Unveils Drug Plan, Reports Explosion in Cocaine Production

By Eric Lichtblau
LOS ANGELES TIMES

WASHINGTON

Even as they unveiled an optimistic plan for combating drug abuse in the next decade, federal officials disclosed Monday that they have seen an alarming new "explosion" of cocaine production in Colombia.

Gen. Barry R. McCaffrey, the White House drug czar, said cultivation of cocaine has jumped 26 percent in the past year in Colombia, with signs of an increase in opium production there as well.

The troubling trend has threatened to cut deeply into the dramatic gains made recently in stemming drug-trafficking in the Andean region — particularly in Peru and Bolivia, McCaffrey said.

McCaffrey blamed the Colombian upturn in part on the fact that heavily armed paramilitary groups now effectively control some 40 percent of the nation, tying the hands of President Andres Pastrana and his young administration. "The problem that President Pastrana and his team face is enormous, and it's getting worse," said McCaffrey, director of the White House's Office of National Drug Control Policy.

The general stressed, however,

that Pastrana's administration has demonstrated "a tremendous sense of partnership" with the United States and a strong commitment to curtailing drug-production.

That sentiment could prove a key factor next month when it comes time for the Clinton administration to certify whether Colombia and other nations have cooperated in anti-narcotics efforts. Colombia's status was upgraded last year following two years of economic penalties. Colombian officials had no immediate reaction Monday to McCaffrey's comments.

McCaffrey, speaking at a press briefing, refused to elaborate on aspects of the Colombian situation until his office puts out a more detailed analysis in the next few days.

In fact, the Colombian issue drew no mention from top Clinton administration officials at a White House ceremony as they presented a long-term plan for controlling drugs in the United States.

Addressing several hundred supporters before a backdrop of colorful anti-drug displays, Vice President Al Gore and other officials stressed that the nation must not ease up in the drug war, despite recent gains in quelling drug use among young people and other

problem groups.

"When drug dealers still roam our streets and rob our children of their dreams, and drug-related crime still ravages so many of our neighborhoods, we know that we have barely begun," Gore said. "We must do so much more."

As part of \$17.8 billion in anti-drug funding proposed in President Clinton's recent budget plan, the National Drug Control Strategy seeks a 50 percent reduction in drug use and availability by the year 2007. It offers a multipronged approach through education, prosecution, treatment, interdiction and other means, and it establishes 97 "performance targets" to track how well those measures are working.

"We're going to hold ourselves to achieving absolute results," McCaffrey told the gathering.

But some anti-drug groups and Republican lawmakers were clearly unimpressed, saying the White House's priorities are misplaced.

The group said federal officials should rely more heavily on proven treatment programs instead of pumping money into failed programs, including another \$195 million allotment this year for as slick celebrity advertisements urging young people to stay off drugs.

Microsoft Officer at Antitrust Trial Acknowledges Internet Restrictions

By Rajiv Chandrasekaran
THE WASHINGTON POST

WASHINGTON

Web sites that wanted top billing in Microsoft's Corp.'s Windows 98 operating system sometimes were required to create pages that would give a "degradation in appearance" if viewed with non-Microsoft "browsing" software, a Microsoft executive acknowledged Monday at the company's antitrust trial.

The companies also had to sign agreements that they would refrain from many types of business relationships with rival browsermaker Netscape Communications Corp., said the executive, Will Poole.

According to a contract between Microsoft and personal finance software maker Intuit Inc., which was introduced as evidence by the government, Intuit had to create on its Web site "some differentiated content ... with acceptable degradation when used with other browsers."

Poole said the restrictions were imposed, in part, to increase the

market share of Microsoft's Internet Explorer browser relative to Netscape's. But he argued forcefully that browser-promotion requirements are perfectly legal and common in the technology industry.

The Justice Department and 19 states contend the exclusive contracts are one of several illegal Microsoft business practices designed to crush Netscape, which Microsoft viewed as a threat to its Windows monopoly.

Microsoft's Windows operating system is used on roughly 90 percent of the world's computers. To attract viewers, operators of many large Web sites made deals with Microsoft by which their sites would be listed in "channels," which are seen on the first screen that appears when a computer is turned on. A single click of a computer mouse would take a user to that site.

In return for this very attractive promotion, the government contends, Microsoft illegally insisted

that the companies stay away from Netscape. Microsoft discontinued these practices last year, saying channels proved to be not as popular as originally thought.

The government's lead attorney, David Boies, questioned Poole extensively about Microsoft's contract with Intuit. William Harris, Intuit's chief executive, testified earlier in the trial for the government that Microsoft had required his company to "forego any business relationship with Netscape" in exchange for having the Quicken.com Web site promoted in Windows.

The promotion that Intuit wanted — and eventually received — was a listing in the Windows 98 "channel bar." Harris said the marketing advantages of the channel bar led Intuit to agree to distribute Microsoft's browser and limit dealings with Netscape.

Poole contended that Microsoft's contract with Intuit did not foreclose that company from all business relationships with Netscape.

Yeltsin Pays Respects to Hussein

LOS ANGELES TIMES

MOSCOW

Ignoring his doctors' advice not to travel, a frail President Boris N. Yeltsin flew to Jordan on Monday to pay his respects to King Hussein — and to remind the world that Russia's leader still has a place in international affairs.

Arriving at the king's palace in Amman, Yeltsin, 68, walked slowly up the steps with the help of an aide. Appearing somewhat disoriented, he waved to people in the crowd outside, then spent about 15 minutes in the palace before departing.

He was in the air and on his way back to Moscow before the king's funeral was over — yet managed to portray himself as a gutsy leader who will go to great lengths to fulfill his obligations as president.

"He wouldn't want to miss such an opportunity to demonstrate to the world that he is still president and can make his own decisions regardless of what his aides or doctors might say," said Sergei A. Markov, director of the Institute of Political Studies in Moscow. "It is all about power. Yeltsin loves power far more than his own health."

Appearing on the world stage in Amman — even briefly — was in keeping with the current style of Yeltsin's presidency. The leader, whose behavior has long been unpredictable, has become even more erratic in recent months as his health has deteriorated.

Bell Begins TTY Phone Service

THE BALTIMORE SUN

BALTIMORE

Bell Atlantic Corp. on Monday introduced a new service designed to allow the hearing-impaired and speech-disabled in Maryland to use telephones more easily. The service allows callers to gain access to text-based TTY phone systems by dialing three digits — 711 — rather than the previous 11-digit toll-free number.

With the new system, Maryland becomes the first state in the continental United States to have 711 calling. Hawaii has such a service.

A TTY system allows a hearing-impaired or speech-disabled caller to use a telephone by typing a text message. The message is sent to one of the special relay centers across the country. At these centers, an operator reads the message to the person at the other end of the phone call.

The operator then types the other party's verbal response so that it can be read by the caller. The 711 access code is dialed by anyone calling from or to a TTY phone. The system may be used with any phone.

Callers will not pay any extra fees to use the 711 service. The existing 11-digit number, 1-800-735-2258, will remain in effect and is still required for calls made from outside Maryland.

Maryland Relay, the state-operated relay center handling TTY calls in Maryland, carries more traffic per capita than any other relay service in the nation, with more than 200,000 calls per month.

Man Arrested in Connection With Embassy Bombing Released

LOS ANGELES TIMES

NAIROBI, KENYA

A mechanic arrested last week in connection with last year's bombing of the U.S. Embassy in Nairobi has been released without charge, the man's lawyer said Monday.

Ali Mohfoudh Salim was released Saturday from a police station in the coastal city of Mombasa.

Following claims of torture and unlawful detention, a Kenyan high court had ordered Friday that Salim be released or brought before a court as soon as possible. The court also ordered the Immigration Department not to allow U.S. agents to take Salim out of the country for further questioning about the Aug. 7 blast.

The development marked the FBI's first legal obstacle in its hunt for bombing suspects in Kenya.

Taib Ali Taib, Salim's lawyer, said his client had been harassed and physically abused, and his passport confiscated by security agents. Salim would file an affidavit in court Tuesday, Taib said.

"He was beaten, he was kicked, he was told he was going to be extradited," Taib said of his client, adding that Salim was yet to undergo a thorough medical check-up to determine the extent of his injuries.

Taib said Salim was arrested Thursday by FBI agents and Kenyan police, held incommunicado for three days, and denied a phone call and legal representation.

Pharmaceutical Workers Walk Out

LOS ANGELES TIMES

BELGRADE, YUGOSLAVIA

More than a thousand ICN Pharmaceuticals Inc. workers walked off the job Monday to support their boss, Milan Panic, in his fight to take back a factory seized by the Yugoslav government.

But police here turned the screws still tighter on ICN's Yugoslav subsidiary by arresting six of his local vice presidents, Panic said.

"I think this is not about business anymore," Panic, chairman and chief executive officer of the Costa Mesa, Calif.-based company, said in a telephone interview Monday from Hungary. "This is violating the human rights of these people. This cannot be left unpunished."

The government seized the Yugoslav subsidiary here Friday, and police armed with assault rifles entered the plant Saturday to impose new management.

Panic is a former Yugoslav prime minister and political archenemy of Yugoslav President Slobodan Milosevic, who is fighting U.S.-led pressure to make a permanent peace with ethnic Albanian rebels in Kosovo province or face attack by NATO forces.

Panic sees the government's move, which he labeled a nationalization, as part of an anti-American campaign stirred up by Serb nationalists opposed to current Kosovo peace talks in France and to plans for putting about 30,000 NATO troops in Kosovo if a deal is reached.

Although they refused to blame Milosevic by name, both Panic and his general manager, Dusan Mitevic, left no doubt they believe that the Yugoslav president is behind the seizure of ICN's plant.

"You have to keep in mind that the main way this government functions is through personal authority," Mitevic said. "Only one personality has power here. All others are executors."

OPINION

Letters To The Editor



Chairman

Josh Bittker '99

Editor in Chief

Zareena Hussain '00

Business Manager

Joey Dieckhans '00

Managing Editor

Ryan Ochylski '01

Executive Editor

Douglas E. Heimburger '00

NEWS STAFF

Editors: Frank Dabek '00, Susan Buchman '01, Jennifer Chung '01, Krista L. Niece '01; **Staff:** Eric Sit '99, Katie Jeffreys '01, Dalié Jiménez '01, Jane Yoo '01, Gitrada Arjara '02, Rima A. Arnaout '02, Sanjay Basu '02, Alex Ianculescu '02, Neena S. Kadaba '02, Kristen Landino '02, Kevin R. Lang '02, Priya Prahalad '02, Karen E. Robinson '02, Michael M. Torrice '02; **Meteorologists:** Michael C. Morgan PhD '95, Greg Lawson G, Bill Ramstrom G, Gerard Roe G, Chris E. Forest, Marck Zebrowski.

PRODUCTION STAFF

Editor: Brett Altschul '99; **Associate Editor:** Ian Lai '02; **Staff:** Erica S. Pfister '00, Agnes Borszédi.

OPINION STAFF

Editors: Michael J. Ring '01, Naveen Sunkavally '01; **Columnists:** Eric J. Plosky '99, Elaine Y. Wan '01, Veena Thomas '02, Kris Schnee '02; **Staff:** Wesley T. Chan '00, Dawen Choy '00, Seth Bisen-Hersh '01, Andrew J. Kim '01.

SPORTS STAFF

Editor: Shao-Fei Moy '98.

ARTS STAFF

Editors: Joel M. Rosenberg '99, Satwiksai Seshasai '01; **Associate Editor:** Bence P. Olveczky G; **Staff:** Thomas Chen G, Steven R. L. Millman G, Vladimir V. Zelevinsky '95, Teresa Huang '97, David V. Rodriguez '97, Mark Huang '99.

PHOTOGRAPHY STAFF

Editors: Gregory F. Kuhnen '00, Rebecca Loh '01, Annie S. Choi; **Staff:** Rich Fletcher G, Aaron Isaksen G, Wan Yusof Wan Morshidi G, Thomas E. Murphy G, Michelle Povinelli G, Arifur Rahman G, T. Luke Young G, Dennis Yancey '97, Krzysztof Gajos '99, David Tarin '99, Rita H. Lin '00, Connie C. Lu '00, Garry R. Maskaly '00, Karlene Rosera '00, Chun Hua Zheng '00, Ajai Bharadwaj '01, Ying Lee '01, Rebecca Hitchcock '02, Angela Piau '02, Yi Xie '02, Lucy Yang '02, Miodrag Cirković.

FEATURES STAFF

Solar Olugebefola '99, Jessica Wu '99, Jennifer Dimase '01, Xixi D'Moon '01.

BUSINESS STAFF

Operations Manager: Jennifer Koo '00; **Associate Advertising Manager:** Jasmine Richards '02; **Staff:** Karen Cheng '02, Huanne T. Thomas '02.

TECHNOLOGY STAFF

Director: Shantonu Sen '02; **Staff:** Hoe-Teck Wee '02.

EDITORS AT LARGE

Contributing Editors: Jennifer Lane '98, Dan McGuire '99; **Color Editor:** Gábor Csányi G; **Senior Editor:** May K. Tse '99.

ADVISORY BOARD

V. Michael Bove '83, Robert E. Malchman '85, Thomas T. Huang '86, Jonathon Richmond PhD '91, Reuven M. Lerner '92, Josh Hartmann '93, Jeremy Hylton '94, Garlen C. Leung '95, Thomas R. Karlo '97, Saul Blumenthal '98, Indranath Neogy '98.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors: Ryan Ochylski '01, Agnes Borszédi; **Associate Night Editors:** Saul Blumenthal '98, Jennifer Lane '98, Erica Pfister '00.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January and monthly during the summer for \$45.00 per year. Third Class by *The Tech*, Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139. POSTMASTER: Please send all address changes to our mailing address: *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029. Telephone: (617) 253-1541, editorial; (617) 258-8324, business; (617) 258-8226, facsimile. Advertising, subscription, and typesetting rates available. Entire contents © 1999 *The Tech*. Printed on recycled paper by MassWeb Printing Co.

Appalled by Reg Day Porn

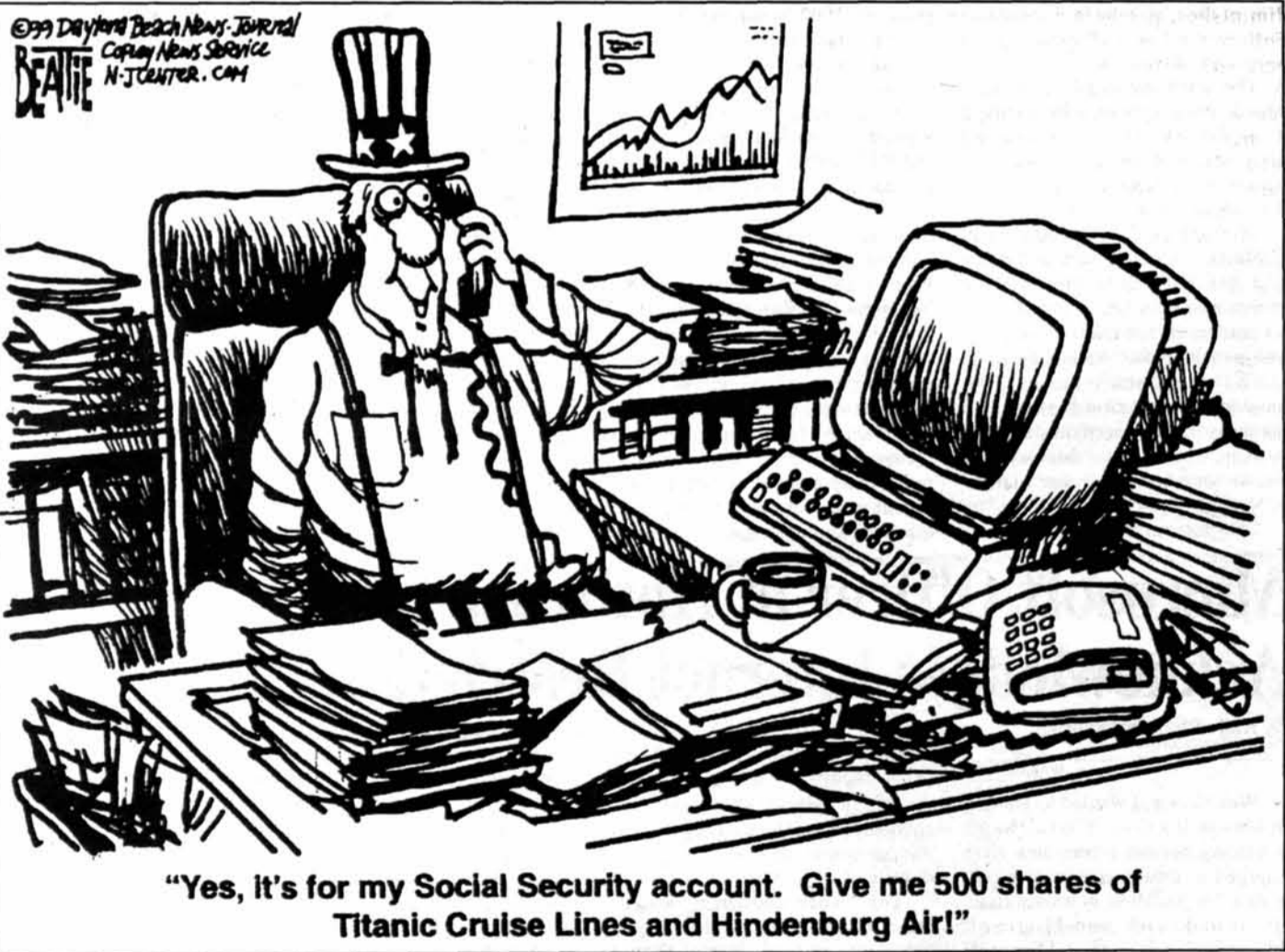
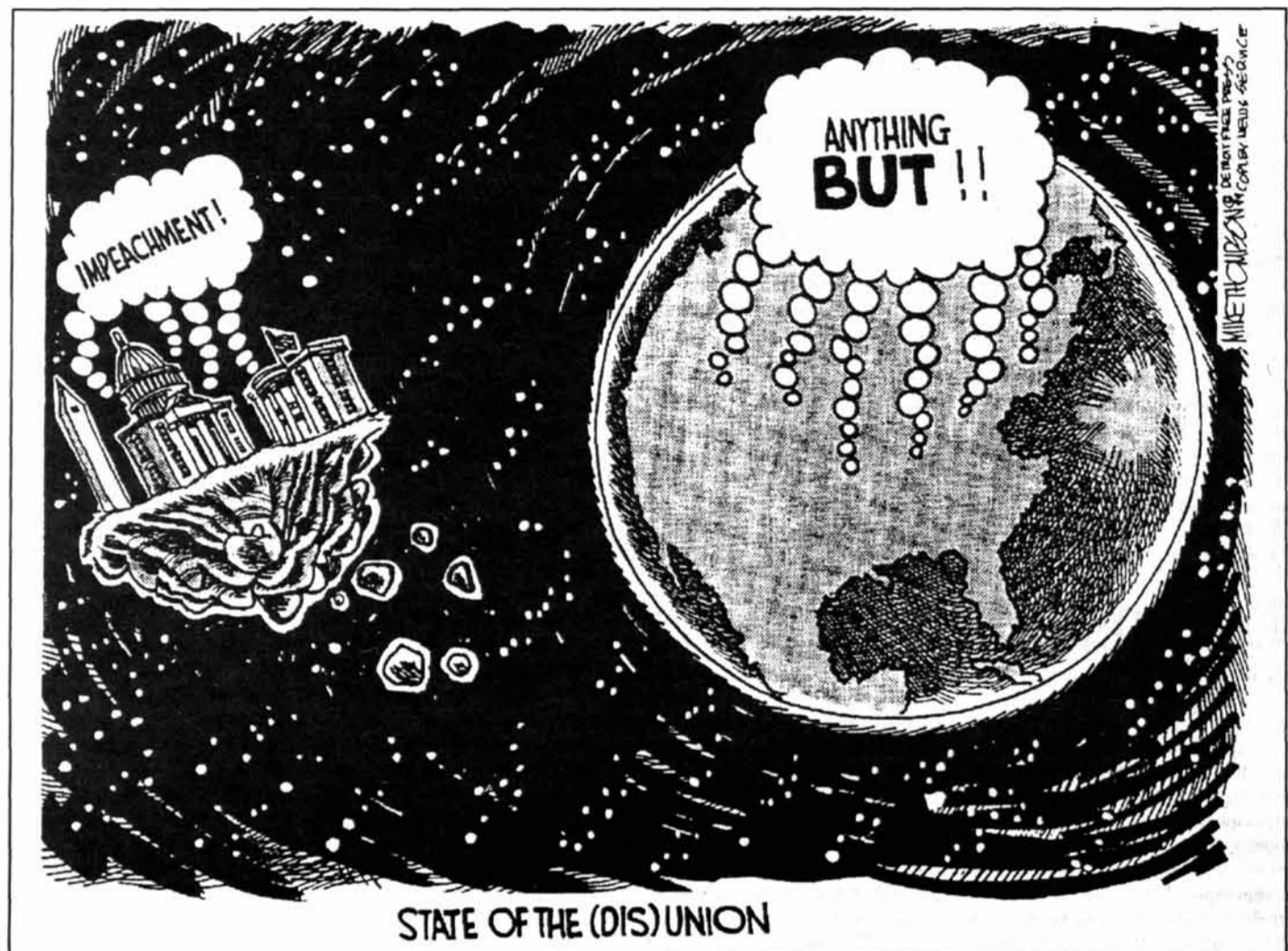
As I browsed through *The Tech* on Friday, I was appalled to find the article, "Reg Day Porn Makes A Comeback." In this age of promiscuity, I realize that "sex" sells and is

more openly advertised. But I would appreciate more integrity and dignity in journalism. I would prefer to see an article on registration day service, which I feel is a true, real, and lasting pleasure to behold. Praising and worshipping God and hearing his word is the only true joy and satisfaction in my life.

I know many people seek temporary plea-

sure, whether it be pornography, eating, drinking, or smoking. But I hope that *The Tech* would not promote or encourage pornography or sexual activity before marriage. I am outraged by this article and I pray and hope that God will illumine your hearts to his word and the truth, found only in his scriptures, the Holy Bible.

David J. Yang '01



"Yes, it's for my Social Security account. Give me 500 shares of Titanic Cruise Lines and Hindenburg Air!"

Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, news editors, and opinion editors.

Dissents are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

Columns and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

Letters to the editor are welcome. Electronic submissions are encouraged and may be sent to letters@the-tech.mit.edu. Hard copy submissions may be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

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

To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure how to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. *The Tech* can be found on the World-Wide Web at <http://the-tech.mit.edu>.

Paranoia Problems

Isolation in Post-Modern America Breeds Anxiety, Distrust

Eric J. Plosky

Paranoia is as integral a part of modern American culture as McDonald's. Among other symptoms of a paranoid society, we have a remarkable appetite for restraining orders, personal-injury lawsuits, electronic home alarm systems, and independent prosecutors. We are rude, obnoxious and suspicious; we snoop, nose, and pry; we insulate ourselves from our neighbors and have long since mastered the "not in my backyard" attitude that continues to vex planners and politicians.

It's been getting worse over the years. Fifty years ago, a new family moving into a community was likely to be greeted by the neighbors and perhaps given a welcome pie or pastry. In modern, anesthetic suburbia, you're lucky to even know your neighbors. My own family doesn't know the family that has lived across the street from us for 21 years - we call them the "Personalities."

One has little reason to get to know one's neighbors when one doesn't need them for anything. Decades ago, neighbors would often invite each other over to watch television or would encounter one another at the laundromat. If it was uncomfortably hot on a summer night, neighbors would relax outside on their porches and chat. Nowadays, when every household has a full complement of appliances, there are fewer opportunities for socialization. Ever wonder why most so-called contemporary suburban houses lack porches? The air conditioner, of course.

If you think about it for a second, you may realize that the single most popular spot for socializing in most suburbs is the supermarket. After all, everybody has to go to the supermarket; not everybody has to go to, say, the movie theater (not when one has one's own massive home-theater installation). With the opportunities for in-person socialization so greatly reduced, what will happen if on-line grocers manage to take over a significant percentage of the supermarket business? It's likely that the culture of paranoia will simply get worse.

Axiomatically, as human contact diminishes, paranoia seems to increase. Follow the logic: Trust, the opposite of paranoia, is based on knowledge. In our society, when you hardly ever socialize with your neighbors, you don't get to know them. So trust-building doesn't get the chance to take place; it is replaced instead with paranoia. It's laughable, in fact, to call 1999

America a "society" - we're really more of a non-society, increasingly insular and suspicious of one another.

It wasn't always this way, of course. Many communities, for example, used to have "neighborhood watches" - associations of residents who would observe local activities simply by watching the streets. Crime and foul play were deterred simply by the presence of neighborhood watches; at the same time, watches encouraged a culture of information that let everybody in a community know what was going on and, to a certain extent, what people - both residents and outsiders - were up to.

We no longer live in a culture of such neighborhood knowledge. The word "neighborhood," in fact, can no longer be properly applied to most suburbs, where a

Trust, the opposite of paranoia, is based on knowledge. But in our society, we hardly ever socialize with our neighbors. Trust doesn't get a chance to develop; it is instead replaced with paranoia.

culture of secrecy rules and people tend to ensconce themselves in their own homes. There are now surely more neighborhood-watch signs around the country than there are functioning neighborhood watches, the latter largely being replaced today with the electronic home-alarm system, a potent symbol of our national paranoia.

According to the National Burglar and Fire Alarm Association, more than 20 percent of American households are "electronically protected." (This ominous phrase used to be confined to submarine terminology.) Americans spent upwards of \$33 billion on home security installations between 1994 and 1997, a number that is on the rise by nearly five percent per annum. Combine home alarms with home theaters and home computers, and the typical suburban house is suddenly transformed into a 21st century techno-fortress.

Alarm companies, consumer electronics firms, and, of course, automobile manufacturers

are all keen to encourage paranoia, since it means big business. Car companies ask if you really want to ride on the train with a bunch of strange people. TV, VCR, stereo, and DVD makers remind you that you'd prefer to watch a movie without worrying about whether someone will steal your wallet. And home alarm installers imply that your community cannot keep itself safe, let alone watch over your house.

Although it means big business, paranoia is disfiguring American culture, perhaps beyond repair. The typical post-millennial American will have no need to see the neighbors, or anyone, ever again. Is this really what we want? Don't we prefer living in communities where people know each other, where residents protect their neighbors?

Some years ago in New York, a young woman was brutally raped and killed, and the murderer was allowed to leave the scene because none of the woman's neighbors lifted a finger to help her. The prevailing attitude today is, "Why should I help her?"

These days, if someone so much as rings our doorbell, we're immediately on alert. The construction of our suburbs is such that nobody ever just happens to be passing by; visitors must be on some deliberate errand, and this makes us nervous. In bygone times, when people actually did drop in on each other at a whim, nerves were not nearly as frayed.

We must combat paranoia by resurrecting casual socialization. As college students, we enjoy the peculiar advantage of living in proximity to thousands of like-minded neighbors and are afforded the luxuries of unplanned visits to friends, on-a-whim activities and chance encounters in the halls. Most students, however, do not realize this and blithely move to suburbia upon graduation. The only people who realize the value of casual socialization are those from downtown areas of big cities and small towns, places that have successfully beaten back the deadening influence of suburbia.

But we can all help to reduce rampant paranoia. Graduates, don't move into an alarmed, home-theatered ticky-tacky house and completely isolate yourselves from your neighbors. If you're afraid of getting to know your neighbors, at the very least shop for groceries not on-line but at the local supermarket. Help keep alive one of the last remaining social rituals in suburbia, the supermarket pick-up.

Eric J. Plosky's column appears each Tuesday.

Stamping Out a Cultural Icon

Elaine Y. Wan

Jackson Pollock, the famed representative of abstract expressionism, will be featured on the new 33-cent stamp to be unveiled on February 18 by the United States Postal Service. Dressed in paint-stained denim, Pollock is pictured in the process of dripping the final touches to his work. But fifty years after his picture was taken, Pollock's idiosyncratic lip-hanging cigarette has been removed digitally for the stamp.

In its elaborate campaign to discourage smoking, the federal government has banned images of "Joe Camel" with cigarettes, smoking in airplanes and buildings, and now it has omitted from stamps the smoking habits of famous artists like Pollock. The image and history of artisans and musicians have been altered by the government in order to produce role models that suit society's expectations.

The image of Jackson Pollock taken from a 1949 *Life* magazine photograph was chosen to honor Pollock's contribution to abstract expressionism as part of the Postal Service's "Celebrate the Century" stamp series, a recognition of famous people, historical and cultural events, and invention in particular decades. The image was modified to produce a non-smoking and no longer bald-headed Pollock. This was done to honor Pollock and inspire fledgling artists while holding ground on discouraging cigarette smoke. But how can we motivate aspiring artists when we don't tell them the truth about their role models?

The truth is that Pollock, like many geniuses and famous people, was not perfect. Pollock was a chain smoker, bald-headed, and once hospitalized for mental instability. To strip Pollock of his cigarette would be like taking away the character-defining cigar from Sigmund Freud. Would you replace Freud's cigar with a fat pencil? If paint-dripped denim became a symbol of stigmatism and uncleanness fifty years later, would we replace Pollock's attire with a shirt, slacks and a tie? The distorted new image of Pollock is hardly noticeable on the corner of a letter envelope but it demonstrates our society's expectations of famous people.

The media, or in this case, the government has shaped celebrities and geniuses to be perfect cherubs molded from a successful career, a happy nuclear family, and a directed childhood. Movie stars are born from super models and superstars. Prodigies are the result of gene inheritance from parents who are college professors and doctors. Unfortunately, this is never the case. Great people, like Newton and Monet, were no different from the rest of us until their exceptional talents were discovered by talented predecessors within their field. Most people recognize that Van Gogh, Virginia Woolf, and Hemingway were great contributors to the arts. However, few people are aware that they were plagued by mental disorders which may have fueled their creativity. Pollock is no exception.

Pollock was known by his friends as a "wild man" and a great artist. He was unique because he conquered social pressure and the pseudo-cultural dogma of his time to experiment and create art conjured from cans of enamel, tubes of color, aluminum and paint drippings that were swirled together by his quick wrist movements to weave lines across the canvas. His art has been reviewed as full of life and at times violent. While contemporary artists were trying to commercialize their works on middle class values and the viewing public inspected paintings with magnifying glasses, Pollock rampaged on his own style. He realized that the point of art, the real reason for painting, was to search for truth within individual expression and not to conform to standards.

Fans of Pollock's works of art admire him as an artist of genius and creativity, not as a smoker. When we view a picture of Pollock smoking and painting, our focus is not on his cigarette but on his paintbrush. However, we do acknowledge that the ash-shedding cigarette was a crucial part of his image and his the shaping of his character.

People who are beginning to learn of Pollock's contribution will also realize that it is his talent and not his smoking which makes his works captivating. To change the public's image of Pollock by tampering with his picture would be disrespectful and demeaning to his fans and dishonest to those would like to know Pollock as a person.

Elaine Y. Wan's column appears each Tuesday.

Stuck in the Middle

Michael J. Ring

For an event billed as an exceptional historical drama, the imminent conclusion of the first presidential trial in 130 years will be anything but climactic.

For all the sound and the fury surrounding impeachment, the inquisition into the life of William Jefferson Clinton will end with a whimper. Most Republicans will favor removal; most if not all Democrats will oppose removal, and

President Clinton will hobble along in the White House until the 20th of January, 2001.

But the vote will not be this easy for some members of the Senate. In fact, three Republican senators from New England up for reelection in 2000 will face the vote of their career. These three senators, all moderate Republicans representing states in which Clinton is highly popular, may have to decide between their conscience and their political future.

John Chafee of Rhode Island, James Jeffords of Vermont, and Olympia Snowe of Maine all sport moderate credentials and support social tolerance, a philosophy endearing to many in New England but in opposition to much of the national Republican Party. They have earned well-deserved respect for their work on education, labor, and environmental issues. All three, however, have placed those credentials in serious jeopardy by refusing to vote for the trial's dismissal. Already the vultures are circling, ready to dive in should any of this troika decide that Bill Clinton's transgressions warrant removal from office.

Chafee, one of the senior statesmen of the Senate, is the patriarch of one of Rhode

Island's most prominent political families. He, unlike many Republicans, is an aggressive supporter of environmental protection, especially concerned with saving our coastal waters such as Rhode Island's Narragansett Bay. In 1994 he won 64 percent of the vote in a heavily Democratic state, and his favorability remains in the 60s in most polls.

But Clinton's Ocean State ratings are in the 70s, and many voters will be scrutinizing Chafee's upcoming decision. Democratic Representative Patrick Kennedy has already fired several shots across Chafee's bow. While Kennedy won't run against Chafee in 2000, other potential Democratic candidates are emboldened because of Chafee's dilemma.

Senator Olympia Snowe was propelled to victory in the Republican tidal wave of 1994. Since then, she has staked territory at the center of the political spectrum and has earned a reputation for a willingness to compromise.

In this spirit Snowe has been an ardent proponent of a "finding of fact" resolution, by which the Senate would separate votes of guilt and punishment. Under this scenario, the Senate could vote to find Clinton committed perjury and obstructed justice, but decline to remove the president from office. This plan is perfect for senators like Snowe and Chafee, under pressure from the Republican leadership (and perhaps their own consciences) to find Clinton guilty of these crimes, but also deathly afraid of the wrath of an electorate that has stood by Bill Clinton.

This plan, however, has a fatal flaw - the absence of a constitutional precedent. It is constitutionally deficient, abdicating the Senate's responsibility for an up-or-down vote on guilt or innocence on these charges. Momentum on Capitol Hill is building against the proposal, and Snowe will be left with the same unpalatable choice as Chafee.

However, none of the three has as much at stake than Vermont's James Jeffords. Arguably

the most liberal member of the Republican caucus, in 1994 he squeaked by with only 50 percent of the vote in the Republicans' best year in over half a century. Jeffords may be facing challenges from prominent Vermont State House Democrats or even Independent Representative Bernard Sanders.

While this trio sided earlier with the Republican leadership in voting against dismissal and for depositions, the behavior of these senators may be turning as we enter the final stages of the impeachment trial. All three broke with the Republican leadership in voting against live testimony, limiting the House managers' case to the videotaped depositions. Jeffords joined the Democrats in voting for another procedural motion pushed by the White House counsel regarding the depositions. I doubt all three will vote for conviction; Jeffords seems an especially likely candidate to break with party ranks and vote against removal.

I strongly hope that these three senators vote their consciences, be they for conviction or acquittal, as the impeachment trial comes to the close. All three are in very precarious positions, facing tugs from both the electorate and the Republican leadership. But in the republican system of government, representatives must be able to vote for their true, personal opinion. On such a weighty matter senators should not be pandering to special interests and constituencies.

Senators Chafee, Snowe, and Jeffords have been voices of moderation in a right-wing Congress, a group of consensus-builders that can cross party lines to accomplish legislative goals. They are strong and passionate representatives for their respective states. One can only hope voters in their home states realize and appreciate their honesty and courage should any of the three feel compelled to convict and not turn out three of the Senate's most important members.

Michael J. Ring's column appears each Tuesday.



THE ARTS

THEATRE REVIEW

She Loves Me

A rare jewel among non-Sondheim MTG productions

By Vladimir Zelevinsky

STAFF REPORTER

Music by Jerry Bock.
Lyrics by Sheldon Harnick.
Book by Joe Masteroff.
Based on the play by Miklos Laszlo.
Directed by Natalie Garner '99.
Music directed by Matt Hanna '99.
Produced by Corey Gerritsen '02.
With Eugene Park '98,
Cara Yara '97, Carson
Schultz, Sara Jo Elice '01,
Aditya Prabhakar '00, Seth
Bisen-Hersh '01, John
McKay '00, and others.
Presented by MIT Musical
Theatre Guild.

La Sala de Puerto Rico
Thursday, Friday and
Saturday at 8PM.
Tickets: \$6 for
MIT/Wellesley students, \$8
MIT Staff and Faculty,
Other Students, Senior
Citizens and \$9 General
Admission

There's a basic showbiz rule to predict the overall quality of MTG productions: if the show is by Sondheim, it will be excellent; otherwise, it's rather likely to be a mixed bag, ranging somewhere between innocuously pleasant and head-scratchingly amateurish. About *She Loves Me*, well, I'd say it's far and above the best non-Sondheim MTG production I've seen.

The story, undoubtedly included by Alfred Hitchcock in his list of 27 basic plots, centers on two clerks in a small beauty supplies store, who are feuding in real life and exchanging passionate anonymous letters by night, without realizing that their mysterious correspondent is the person snarling at them from behind the opposite counter. Of course, as basic showbiz rules dictate, everything ends

in the most satisfactory way.

For about a half of *She Loves Me*, this rule is somewhat affirmed, and the fault, dear readers, is in our stars. Both romantic leads (Eugene Park '98 playing Georg Nowack and Cara Yara '97 playing Amalia Balash) possess ample charisma and stage presence. Their voices are strong and they are highly convincing as sympathetic characters, Yara as



Steven Koday (Carson Schutze) attempts to woo Ilona Ritter (Sara Jo Elice '01) back by singing seductively.

a hopeful romantic and Park as a decent everyman. All is fine here; what is not fine is the fact that these two characters are supposed to *hate* each other. This dislike feels utterly fake — and the show itself, which is content to *state* this dislike rather than demonstrate it, is of no help either, by and large preferring big

chorus numbers to true theatrical action.

My heart was sinking every time I would wish for some more character development — and all I would get was another song. For most of the first act I found myself caring more about the secondary couple, Steven Kodaly (Carson Schultz) and Ilona Ritter (Sara Jo Elice '01), because their feuding mostly didn't feel fake. Ritter, by the way, also has the best song of the first act, the irresistible *I Resolve*.

To be fair, even during the portions of the first act when the action feels fake, *She Loves Me* is still pleasant to watch. The major reason for this is that the staging displays quite a few instances of exciting whimsy and

last scene of first act, where things start happening in a rather unpredictable way. This change in tone is ushered in by a big splashy dance number at a restaurant. Both the transition to it and the dance itself are weird, abrupt, and rather nonsensical; compared with the prior hour of rather placid events, it feels like a breath of fresh air. It certainly helps that the next scene, the conversation between Georg and Amalia, is just about the best-written scene in the whole show, mixing romantic yearning with true heartbreak; when the waiter picks up the rose from the floor, it says more than any romantic ballade could.

After this we have the second act, which, to put it succinctly, *works*, with all the disparate elements that didn't gel before starting to play off and enrich each other. Arpad Laszlo (Seth Bisen-Hersh '01), who spent the first act lurking around the periphery, suddenly bursts into a fully realized character, and he's a lot of fun to observe. There's an impressive quartet of showstopping songs, *Where's My Shoe?*, *Vanilla Ice Cream*, the titular ballade, and amusingly scored *A Trip to the Library*; and very few awkward big vocal numbers get in the way of the characters.

Most importantly, the very thing that worked against the leads in the first act — their immense likability — is used to the utmost advantage here; freed from the requirements of acting decent but dislikable, they excel at playing a couple in love. The culmination of the love story, in the very last scene, while a touch abrupt, is very lovely.

Add to this highly consistent and interesting music (the band is also good, with most of the solos very impressive), and excellent costume design, and the result is strong enough to make one forget the problems of the first act. I chose to think of the first hour as a rather extended prologue.

By the way, the next MTG show, *A Funny Thing Happened on the Way to the Forum* is written by Sondheim, and if the rule above works, we're in for a fun show.

creativity — such as an innovative staging, with the audience seats surrounding the stage on all four sides, or the beautiful stage device showing the change of seasons.

On the other hand, there are also quite a few strange decisions which simply refuse to work, such as way-too-frequent set changes, or giving the song *Sounds while Selling*, with its intricate pattern of overlapping lines, to a group of singers of wildly varying strengths.

She Loves Me goes on like that until the



Amalia Balash (Cara Yara '97) and Georg Nowack (Eugene Park '98) quarrel (again) about how to fill a tube of Mona Lisa.

THEATRE REVIEW

The Good Person of Sezuan

Contemplating the true nature of goodness

By Anand Ramakrishnan

Based on the play by Bertolt Brecht
 English version by Tony Kushner
 Music by Elizabeth Swados
 Directed by Kim Mancuso
 With Anand Sarwate '01, Fred Choi '02, Ira F. Gerhardt '99, Adam Glassman '02, Marketa Valterova '00, and Stephen Larson '02
 Presented by MIT Dramashop

Kresge Little Theater
 Thursday, Friday, and Saturday at 8 P.M.
 Tickets: \$6 MIT/Wellesley students

MIT Dramashop's production of Bertolt Brecht's *The Good Person of Sezuan* is a delightful illustration of the hardships good people have to suffer in a society that does not appreciate their altruism.

In the midst of the slums in the poor town of Sezuan, Wang the water seller and his fellow citizens are crying out for shelter and some bread to spare for their young. After much yearning and waiting, their prayers are finally answered with the appearance of the three "illustrious ones".

The "illustrious ones", played in the Dramashop production by Fred Choi '02, Ira F. Gerhardt '99, and Adam Glassman '02, are sent to Sezuan in search of truly good people. To their dismay they find that only one such person exists and that's the local prostitute, Shen Te. In his classic play Brecht examines the nature of altruism, and comes up with pretty dire conclusions.

One of the strengths in The Dramashop's production is the refreshing acting. Put together over IAP, students worked hard and difficult hours, often practicing from 1 p.m. to 1 a.m. everyday, according to the Assistant Director Puja Gupta '00. Anand D. Sarwate '01, in an excellent rendering of Wang, catches the audience's attention in the very beginning of the play. He runs up and down stairs, limps, and acts starved, all of which makes the play very vivid.

Shen Te, played by Marketa Valterova '00, performs a complex character very well. Along with the eyes and voice of innocence she expresses as Shen Te, Valterova reveals a coarseness, stubbornness, and even brazenness as Shu Tai, Shen Te's male alter ego who lacks the former's compassion and

soft heart. Several times during the production Shen Te steps up before the audience and her true conscience speaks out, whether disguised or not.

Overall Valterova does a superb job making the audience feel pity when she is used by the locals, and anger when she stands up for herself as Shu Tai.

The audience felt a strong antipathy against the unemployed pilot Yang Sun, played by Stephen Larson '02. Larson plays the jerk of a husband with whom Shen Te falls in love. Arrogant and selfish, his behavior is in sharp contrast to Shen Te's. Larson makes the audience wonder, "What does she see in him?"

The Dramashop's set, light, and sound designers transport the audience to the middle of the poverty in Sezuan. Wang's sewage pipe domicile lies in a nook under the stage. On the stage, the scene changes from Shen Te's shop to the courthouse behind two finely crafted see-through doors, illustrated with a pattern of Sezuan. But the acting is by no means limited to the stage in front of the audience. Throughout the play, actors come from behind the audience, down the aisles and jump on to the stage.

The Good Person of Sezuan ends abruptly. Shen Te, after having fallen in love with Yang Sun, gets pregnant with his child. Having taken up her male identity Shu Tai to survive, she now gets in trouble. In a gathering just short of a riot, the play ends with Shen Te revealing her identity and the people of Sezuan accepting her back into the community again.

The play brings forth the issue of being good in a society that does not permit it. With the help of her crude alter-ego Shu Tai, Shen Te is allowed to survive. But in a society of poor, needy people, selfish desires drive out most of her goodness.

The play presents this valid issue, but leaves the audience with an open ending. After the "illustrious ones" judge her to be good, the people accept her back in society, but a question remains. How does one deal with this situation? Is it simply a tragedy we must accept? Or must we strive to change society? I left Little Kresge asking myself these questions — the very queries that I think Brecht must have had in mind when he wrote the play.



Shen-Teh (Marketa Valterova '00) awaits her wedding with a mixture of joy and dread.



Wang, the Water Seller (Anand Sarwate '01) realizes the gods have come back to speak with him.



The first god (Ira Gerhardt '99) makes a proclamation to Wang, the Water Seller.

CAREER OPPORTUNITIES AT BOSE®

ON-CAMPUS INFORMATION SESSION

Tuesday, February 9
7:30 pm, Room 4-270

ON-CAMPUS OPEN INTERVIEWS

Thursday, February 11
Register at the MIT Career Office

E-mail or fax your resume to:
Lyn Van Huben, Bose Corporation,
The Mountain, Framingham, MA 01701
FAX: (508) 766-7031
E-mail: lyn_vanhuben@bose.com
www.bose.com

BOSE®
Better sound through research®

I/S Considers Moving from E40

By Eric Sit
STAFF REPORTER

Having long been housed in Building E40, much of Information Systems will likely migrate to what will become W92. I/S will move to the 304 Vassar St. location sometime next year pending an architectural study and terms for acquiring the property.

"We knew for sometime that we would eventually move out of E40," said Professor James D. Bruce, vice president for I/S. Space needs to be found for I/S operations, he said. About a quarter of the department currently resides in E40.

The Sloan School of Management is likely to claim the vacated E40 space.

I/S is responsible for MIT's computing resources, including computing help, network services, and telecommunications. In addition, much of the hardware used by Athena is housed in E40.

The proposed space in W92 is about twice as large as the current E40 space. "We're aiming for a loose fit," said Thomas J. Coppeto, senior systems programmer of I/S. The building will be renovated as an office environment complete with kitchen, patio, sky lights, and underground parking garage.

I/S has been looking at a number of options including E19, NW30, and N52. John R. Curry, executive vice

president of MIT, advised I/S that the working environments in these administrative buildings were poor.

"That building's a dog," Curry remarked of E19 according to Coppeto.

Therefore, W92 is currently the principal site under consideration, Bruce said.

The current residents of the W92, Cambridge Technology Partners, will be vacating this summer for a new building in Cambridge. I/S anticipates a six to nine month construction cycle.

W92 deficiencies to be resolved

There are, however, problems with the W92 site, Bruce said. These include deficiencies with the phone, network, electrical, and transportation systems.

Currently, there is only one network feed into the west side of

campus. I/S would like a dual feed, Bruce said.

In addition, I/S needs sufficient emergency power in case of electrical failure. Since the department will be putting critical resources in the building, W92 should ideally be on the MIT power grid. It currently receives electrical power from Boston Edison.

To alleviate transportation problems for staff, a shuttle is being developed to connect the site with the rest of campus. The W92 site is far from main campus — west even of Tang Hall.

An architectural study is underway to examine the feasibility and the costs of moving to W92 in light of these problems. The results should be available by February.

"I/S will be moving. It's just a matter of where and when," Bruce said.



FROM \$399 **SPRING BREAK JAMAICA!!!**

ONE LOVE. ONE HEART. ONE GREAT PARTY!!!

IT'S THAT TIME OF YEAR WHEN THOUSANDS OF STUDENTS COME TO JAMAICA TO FEEL ALL RIGHT - FOR AN UNBELIEVABLE PRICE!!!

PACKAGE INCLUDES:

- Round-Trip Airfare
- 7 Nights Hotel Accommodations
- Round-Trip Airport & Hotel Transfers
- Free Welcome, Beach & Evening Parties
- Free Admission to Night Clubs
- Discounts on Restaurants, Water Sports & Side Excursions
- Packages available to Negril and Montego Bay
- Professional On-Site Tour Reps
- Complete Weekly Activities Program Offering Optional Sunset Cruise, Booze Cruise, Toga Party & More!
- Free Bonus Party Pack

ASK ABOUT OUTRAGEOUS MEAL PLANS

Sun Splash Tours
1 800-426-7710

WATCH FOR LIVE REGGAE CONCERTS!!!

Student Travel Services
1 800-648-4849

Price is per person based on quad occupancy, from select departure cities. Other cities may qualify for reduction or require surcharge. US and Jamaica departure taxes (currently \$59) and \$9 handling charge additional. Rates increase \$30 on 12/15/98. Peak-week surcharges/off-week discounts may apply. Restrictions and cancellation penalties apply. Limited availability. Subject to change without notice. Call for full details on hotel selection and availability.

It's onset can be so subtle you don't notice it.

IT CAN KILL YOU IF YOU DON'T RECOGNIZE IT.

Depression strikes millions indiscriminately. Depression is MOST dangerous when it goes unrecognized. Always be aware of the threat, and don't always believe everything you feel.

UNTREATED DEPRESSION
#1 Cause of Suicide

This space donated by *The Tech*

CLASSIFIED ADVERTISING

Help Wanted

\$2000 Compensation Be a part of cutting edge medical breakthroughs - fastest growing specialization: fertility - Helping couples become partners. Seeking women between ages 21-34 to donate eggs. Simple process. Highly confidential. Significant compensation for short period of time. Interested parties who wish to be included are encouraged to respond as soon as possible. Contact: JOAN 781-944-7813

Pet Sitter Responsible, loving person needed to care for my two small dogs in his/her home starting mid-feb through mid-may. You need to 1) like dogs 2) have a flexible schedule that permits you to walk them 4 times daily 3) be able to care for them in your home. Pay includes (somewhat negotiable) wages and expenses. Leave message at tamara.kett@pa.consulting.com or 627.864.8880 x236

EGG DONORS NEEDED! Desperately wanted by infertile, hopeful parents. All races needed. Ages 21-30. Compensation \$3,500. Please Call OPTIONS National Fertility Registry (800) 886-9373

Services Offered

Part-Time Jobs catering Waitstaff & Bartenders. Work when you want! Transportation Provided! Bartending Classes also available! Call New Dimensions Services (617) 423-1999

Has the balance in your bank account gone down with the temperature?

Stop into **STAR Lacarte** for some delicious values!



\$2 OFF

Any **LARGE PIZZA**

Coupon effective through Saturday February 20, 1999. Limit one. **PLU 659**



\$1 OFF

Any **16-oz. SMOOTHIE**

Coupon effective through Saturday February 20, 1999. Limit one. **PLU 660**

STAR MARKET
20 Sidney St. Cambridge

Need Lab Instruments?

- Save Up To 50% with Used:**
- HPLC, Hewlett Packard 1100, G1354A, \$9621, G1315A, \$9506, G1313A, \$7629
 - Autoclave, Yamato SM-32, \$2900
 - Media Sterilizer, Jouan SH-105, \$5500
 - Tensiometer, Fisher Model 21, \$1667
 - Flow Cytometry, Coulter Max-M, \$32000
 - Rotary Microtome, RMC MT-955, \$3900
 - Electrophoresis System, Oncor Probe Tech 2, \$5900
 - Plate Reader/Washer, Dynatech MR-7000, \$6900
 - Scintillation Counter, Bioscan QC-2000, \$1900
 - Spectrofluorophotometer, Shimadzu RF-5000, \$5900
 - HPLC Detector, Waters 484, \$1900
 - Sterilizer, Market Forge STM-E, \$3800
 - Microplate Washer, Bio-Tek EL-403, \$1900
 - pH Meter, Orion 525A, \$515
 - Pipet, Digital, Rainin EDP-2, \$175
 - Vortex Genie 2 Mixer, \$135
 - Centrifuge, IEC Micro MB, \$765
 - Volumetric Flasks at 1/2 Price, Class A, Most Sizes, call
 - HPLC Pump, Thermo Separation P-1000, \$2900
 - HPLC Detector, Thermo Separation UV-1000, \$3900
 - HPLC Column, Vydac C-8, #218TP1022, NEW, \$799
 - Mobile Phase Filtration, Chromware, NEW, \$279
 - Fraction Collector, ISCO Foxy 200, \$1897
 - Pipet, Digital, Rainin 2500 w/charger, \$399
 - Distiller, Barnstead Fi-Stream II, \$799
 - Rotor, Sorval H-6000A, Complete, \$2900

M.I.T P.O. Welcome/Satisfaction Guaranteed For Full Catalog/Questions/Written Quote: 410-730-0263

G O R D I A N

THINKING BEYOND BEYOND

IN SOUTHERN CALIFORNIA

Challenging Environment • Exciting R&D Projects

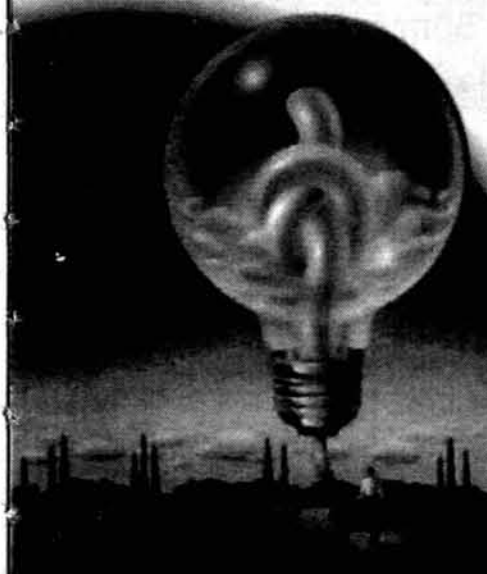
You could be a **GORDIAN Engineer!**

Talented computer and electrical engineers should plan now to get acquainted with **GORDIAN** during our visit to your campus
February 16, 1999, 6:30pm-9:30pm • Room 4-149

Check us out today at: www.gordian.com
Interested? E-mail us now: recruit@gordian.com

GORDIAN
technical product development

20361 Irvine Avenue • Santa Ana Heights, CA 92707



Seeking Special Egg Donor

Loving infertile academic couple is hoping to find a compassionate woman to help us have a baby. Our ideal donor is intelligent, age 21-30, 5' to 5' 6 tall with small to medium build, fair complexion, and possibly, though not necessarily, a Jewish heritage. We would sincerely appreciate your consideration.

Compensation \$6,500 plus

OPTIONS

(800) 886-9373 ext 7458

Free Computing for all MIT Students

Spring Term 1999 Minicourse Schedule



Athena Minicourses
Stop Wasting Your Time!
Spring Term 1999

	Mon	Tue	Wed	Thu
12 noon	8 Feb	Frame	9 Feb	Latex
7 p.m.		Frame		Latex
8 p.m.		Latex	Latex Thesis	
12 noon	15 Feb	Holiday	16 Feb	MSO
7 p.m.		No Classes		Matlab
8 p.m.		President's Day		Maple
12 noon	22 Feb	Info Res	23 Feb	SerEmacs
7 p.m.		Info Res		Dotfiles
8 p.m.		HTML		Serious Emacs
12 noon	1 Mar	Matlab	2 Mar	Maple
7 p.m.		Latex		Frame
8 p.m.		Latex Thesis		Frame Thesis
			10 Feb	② BasicWP
				① Intro
				② Basic WP
			11 Feb	Frame
				Frame
				Frame Thesis
			17 Feb	③ Working
				② Basic WP
				③ Working
			18 Feb	Matlab
				Maple
				Xess
			24 Feb	② BasicWP
				① Intro
				② Basic WP
			25 Feb	HTML
				Matlab
				Maple
			3 Mar	③ Working
				② Basic WP
				③ Working
			4 Mar	HTML
				Info Res
				HTML

☛ **Your're already using Athena. Invest an hour or two and learn to use it efficiently.**

At our courses you'll get the basics of any Athena topic: word-processing, thesis, data-crunching, graphs, displays, communication, etc.

① ② ③... Wednesdays are Beginners' Days. You can take the introductory courses: ① **INTRO**, ② **BASIC WORD PROCESSING**, and ③ **WORKING ON ATHENA**.

• For course descriptions, future schedules: see the opposite page, or visit our Web-site: <http://web.mit.edu/minidev/>

• All minicourses taught in **Room 3-343**. Minicourses are **one hour each**.

☛ Last courses for the term. Don't wait! Take them now.

HOW TO REGISTER FOR A MINICOURSE: You Can't! They're free!
 No Pre-registration Needed... JUST SHOW UP FOR THE CLASS.

©Athena is a registered trademark of the Massachusetts Institute of Technology, depending on what your definition of "is" is.

I/S Athena Training Group

All Classes in Room 3-343

New RLSLP Staffer To Support FSILGs

By Krista L. Niece
 NEWS EDITOR

The Residential Life and Student Life Programs Office recently hired a new administrator to expand MIT's involvement with its FSILGs.

Barbara E. Treadway, the newly appointed Coordinator of Fraternities, Sororities, and Independent Living Groups, expects to work on issues such as the resident advisor program and rush.

She plans to have a hand in organizing "everything from risk management to bringing in something fun for the students."

Treadway also said that she planned to work closely with Panhellenic and Women's Conference groups but declined to make any specific comments until she was more familiar with the situation of the groups on campus.

Treadway arrived on two weeks ago and had her first work day on Feb. 1. Because of her recent arrival at MIT, most FSILG members have not met her, but several who attended last Wednesday's Interfraternity Council meeting were optimistic about working with her in the future.

Treadway, Dorow to cooperate

Neal H. Dorow, the Assistant Dean of Residence Life and Student Life Programs, hopes that Treadway's addition to the staff will give the office the "opportunity to

concentrate on some areas" that have previously been neglected.

He hopes to assist students and alumni with the maintenance of the physical plants of their houses. "Leadership development and helping students to pursue more faculty advisors" are also planned.

"I think given the attention that's been given to ILGs... we realize there's a lot more support we could be giving them," Dorow said.

"What they looked for was someone who had considerable experience with Panhellenic," Dorow said. Although both he and Treadway will deal with all of the FSILGs, Treadway will probably assist more with Panhel rush.

However, "we're concentrating on today and tomorrow and what we have to do now," Dorow said. "Rush is... in August."

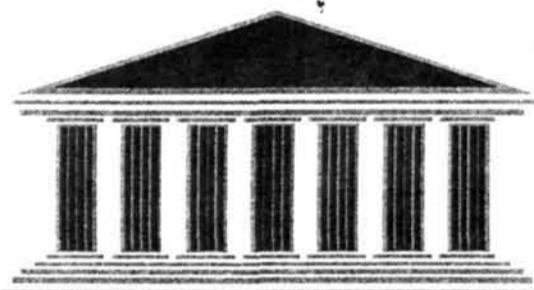
Treadway has Greek experience

Before coming to MIT, Treadway was Greek and Leadership Advisor at the University of Omaha, Nebraska. "Anything to do with Greek, I did it," Treadway said. This included residential Greek organizations as well as organizations such as Order of Omega greek honor society. She also dealt with leadership programs on campus.

However, Treadway believes it is important to take a fresh viewpoint. "In higher education, we all come from different places... you can't take what you've done at one institution and apply it to" another.

"I was briefed during my interview" on the housing policies at MIT, Treadway said. "I'm very anxious to get started working with the students."

SPRING BREAK '99
 Earn 2 free trips + \$55
 Lowest Prices Best Meals
 from \$99!
 Jamaica Cancun Florida
 S. Padre Bahamas Barbados
 hours & hours of free drinks
 Call us toll free! 1-800-426-7710



Undergraduate Association

MIT's Undergraduate Student Government

...the hottie in the back row...



soul-mate
or
bad date?

the 3rd annual

Heart

Find out on
the UA's

**to
Heart**

an online match-up survey!

<http://uac.mit.edu/heart>



UA Elections

What can you do for your school?

Run for: *UA President*
UA Vice President
Class Council Positions

Candidate packets are available
NOW

in the UA office (W20-401)
 Completed packet due Friday,
 February 19th 5pm in W20-401

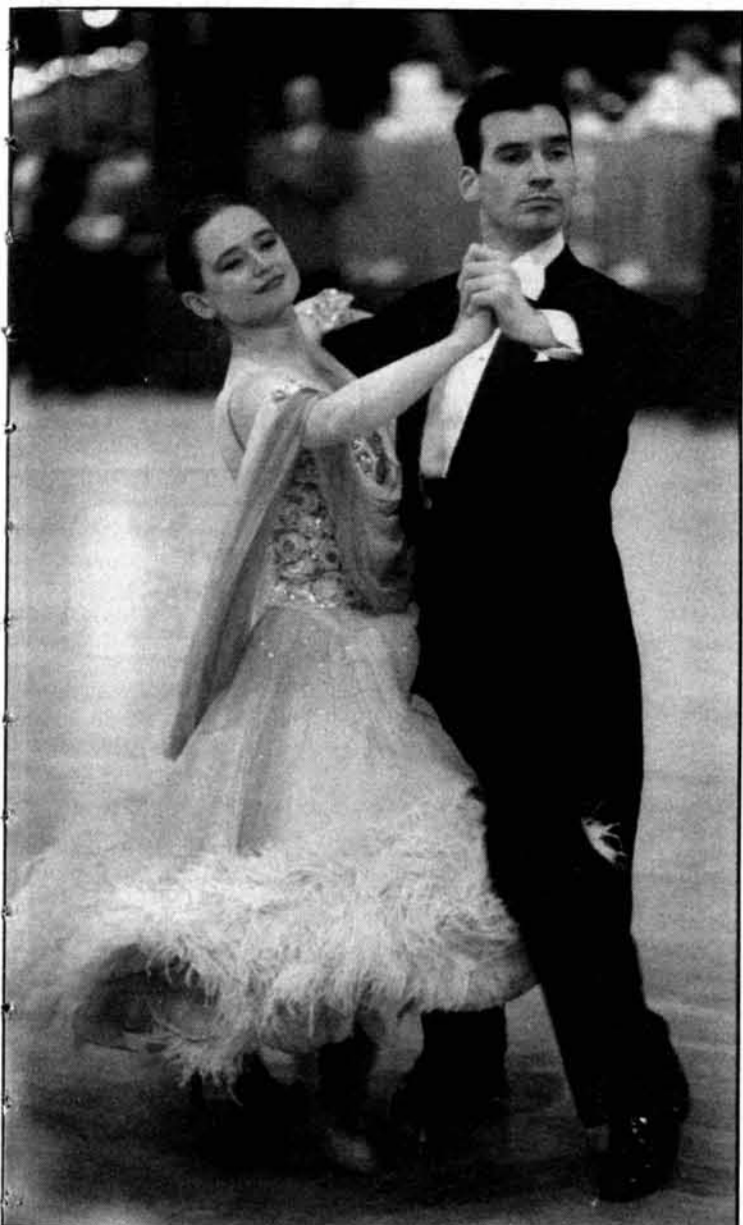
questions? email <ryanp@mit.edu>

Spring Forward!

the UA is proud to bring you two great Spring events!

☀ Battle of the Classes
 April 9th

☀ Spring Weekend
 April 23, 24, & 25th



GREG KUHNEN—THE TECH

Michael Otero and Marta Lipinski G tango in the advanced open round of the Harvard Invitational Ballroom Dance Competition.

ATHENA® MINICOURSE INDEX

Introduction to Athena (Intro)

An introduction to Athena and Athena workstations. Topics include: what you can do on Athena, getting an account, logging in, windows, sending messages, finding help and documentation.
Pre-requisites: None

Basic Word Processing (Basic WP)

Elementary text editing with Emacs, sending and receiving electronic mail, and using the Athena printers.
Pre-requisites: Intro

Working on Athena (Working)

Just the basics: files, directories, job control, and more. What every new user should know about Unix, Athena's operating system.
Pre-requisites: Intro, Basic WP

Advanced Word Processing: EZ (EZ)

An introduction to EZ, a combination text editor and formatter, with text-editing commands that are similar to Emacs. As a formatter, it is menu-driven and easy to learn. In the popular style of the "What You See Is (pretty much) What You Get" packages.
Pre-requisites: Intro, Basic WP, Working

Advanced Word Processing: LATEX (Latex)

An introduction to Latex, a widely-used text formatter, used for converting a text file into an attractive, professional-looking document. It is a powerful and flexible program, with the capability to typeset many foreign characters and very complex mathematical text.
Pre-requisites: Intro, Basic WP, Working

Latex Thesis (Thesis)

Using the Latex text formatter to produce a fully-featured thesis that meets all MIT format requirements.
Pre-requisites: Latex, some Latex experience

Introduction to FrameMaker (Frame)

FrameMaker is a powerful word-processing and document-preparation package now available on Athena.
Pre-requisites: Intro, Basic WP, Working

FrameMaker for your Thesis (Frame Thesis)

FrameMaker, with a special template, can be used to produce an MIT thesis that meets all Institute formatting requirements.
Pre-requisites: Frame, some Frame experience

Information Resources on Athena (Info Res)

A survey of the communications, help, and other resources available on Athena.
Pre-requisites: Intro, Basic WP, Working

HTML: Making a WWW Home Page (HTML)

Covers the basic features of HTML ("Hyper-Text Mark-up Language") the language of the World-Wide Web, as well as the steps needed to post your own Web page on Athena.
Pre-requisite: Info Res

Math Software Overview (MSO)

A survey of major mathematics and graphing packages available on Athena.
Pre-requisites: Intro, Basic WP

Matlab (Matlab)

An interactive program for scientific and engineering numeric calculation. Applications include: matrix manipulation, digital signal processing, and 3-dimensional graphics.
Pre-requisites: Intro, Basic WP, Working

Xess (Xess)

A powerful and easy-to-learn spreadsheet, with a full range of mathematical, statistical, matrix, and string functions. It will be useful for scientific and engineering computations, as well as to general and financial users.
Pre-requisites: Intro, Basic WP, Working

Maple (Maple)

A mathematics program that can perform numerical and symbolic calculations, including formal and numerical integration, solving algebraic or transcendental systems and differential equations, and series expansion and matrix manipulation. It also has extensive graphics capabilities.
Pre-requisites: Intro, Basic WP, Working

Serious Emacs (Ser. Emacs)

The text editor introduced in Basic Word Processing has many useful features not covered in that course. This course is a must for anyone who uses Emacs more than an hour or two each week.
Pre-requisites: Intro, Basic WP, Working, some Emacs experience

Customization on Athena (Dotfiles)

Intended for the intermediate-level Athena user, this course will discuss the Athena login sequence and the user-configuration files (dotfiles) that affect it, as well as changes the user can make to those and other files to customize their working environment.
Pre-requisites: Serious Emacs, some Athena experience



©Athena is a registered trademark of the Massachusetts Institute of Technology, for specified values of "is".



Graduate Student Council

OFFICE: Walker Memorial, 50-220 PHONE: 253-2195

EMAIL: gsc-request@mit.edu WEBSITE: www.mit.edu/activities/gsc

Professional Development Series

CAREERS (Wednesdays 3:30-5 PM Hulsizer Room, Ashdown) :

Feb. 10 Manager, Researcher, or Professor (Lloyd Baird, BU)

Feb. 17 Self-Assessment (Hannah Bernstein & Elizabeth Reed, CSPA)

Family & Single Graduate Housing Applications are On-line:

APPLICATIONS:

Single students: <http://web.mit.edu/hfs/housing/sinapp.html>

Family students: <http://web.mit.edu/hfs/housing/famapp.html>

LOTTERIES:

Single continuing: <http://web.mit.edu/hfs/housing/consingle.html>

Single new: <http://web.mit.edu/hfs/housing/newsingle.html>

Married continuing 1 bdrm: <http://web.mit.edu/hfs/housing/cononebdr.html>

Married continuing 2 bdrm: <http://web.mit.edu/hfs/housing/contwobdr.html>

Married new 1 bdrm: <http://web.mit.edu/hfs/housing/newonebdr.html>

Married new 2 bdrm: <http://web.mit.edu/hfs/housing/newtwobdr.html>

Alcohol Ad Hoc Committee

An alcohol ad hoc committee has been formed to discuss MIT's alcohol policy. The first meeting is Wed, Feb 10 at 5:30 in 50-220.

02 03 Calendar

FEBRUARY

- 09 - Publicity committee meeting *
- 10 - Professional Development seminar, 3:30 - 5 PM, Hulsizer Room, Ashdown
- 10 - Alcohol Ad Hoc committee meeting *
- 11 - Academics, Research & Careers meeting *
- 16 - Habitat Meeting, 5-5:45 PM, 50-220
- 17 - Professional Development seminar, 3:30 - 5 PM, Hulsizer Room, Ashdown
- 24 - Housing & Community Affairs meeting *
- 24 - Professional Development seminar, 3:30 - 5 PM, Hulsizer Room, Ashdown

MARCH

- 03 - General Council meeting *

* = at 5:30pm in Room 50-220. All graduate students are welcome. Food is provided.

Graduate Student News (GSN) Available Feb. 15

GSN will be available in Infinite Corridor and 50-220. Send submissions to Constance Lai at con@mit.edu for March 1 issue.

Down with Science

by Jennifer DiMase



BART SQUEAK

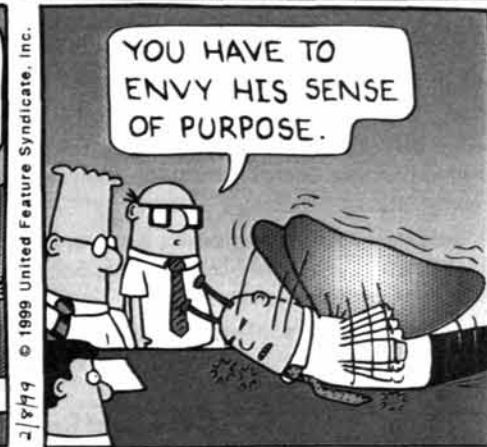
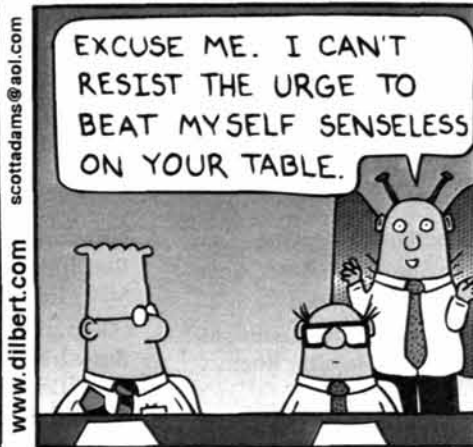
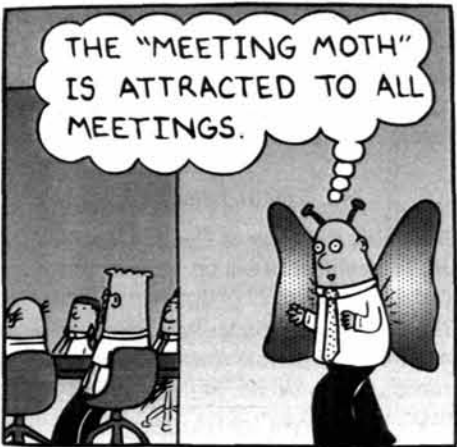
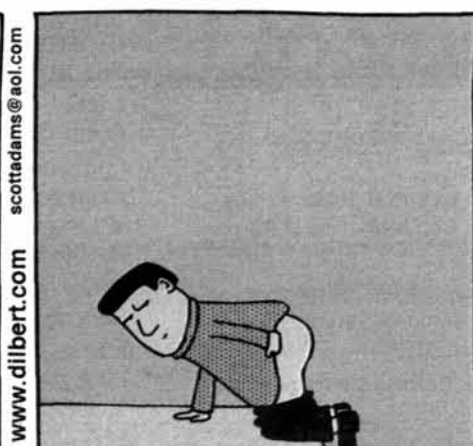


RANDOMEELAND

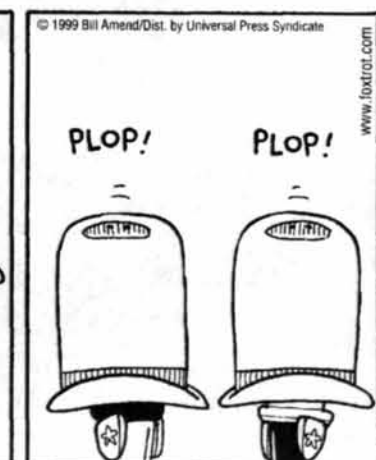
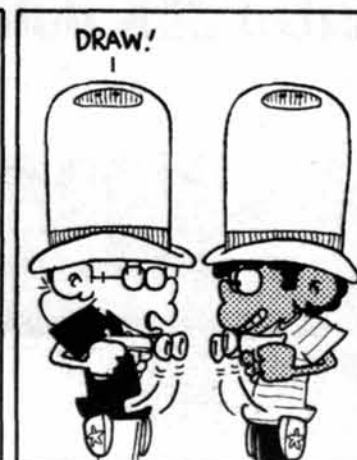
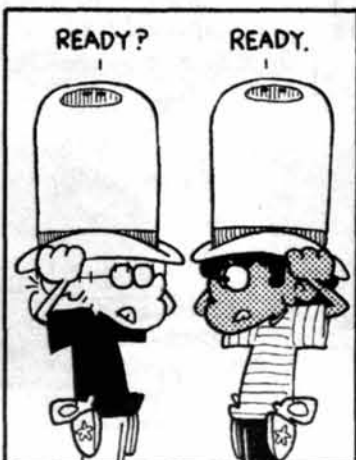
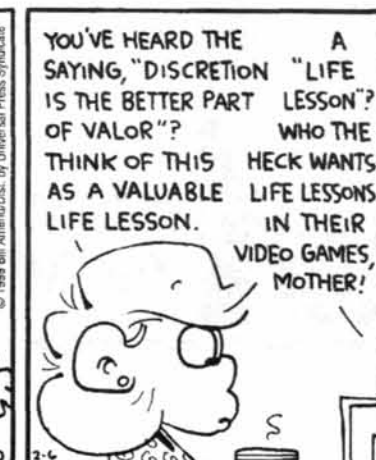
by XET



Dilbert® by Scott Adams



FoxTrot by Bill Amend



TechCalendar

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

Tuesday's Events

- 12:00 p.m. - **Eclipse Records.** John Steele, Dibner Institute Lunchtime Colloquia. Room E56-100. Sponsor: Dibner Institute.
- 12:00 p.m. - **The thermodynamics of polarized systems in external fields.** Professor Howard Brenner. Energy Lab Spring Seminar Series. Room E40-496. 1 hour 30 minutes. Sponsor: Energy Laboratory
- 4:00 p.m. - **Circuit Implementation of a 600 MHz Superscalar RISC Microprocessor.** Kathryn Wilcox, Compaq Computer Corporation. MTL VLSI Seminar Series. Refreshments in lobby at 3:30 p.m. Room 34-101. Sponsor: MTL.
- 4:30 p.m. - **Tools for Robust Design.** Prof. Daniel Frey, MIT. Refreshments at 4:15 p.m. Room 31-161. Sponsor: Gas Turbine Laboratory
- 4:30 p.m. - **On Designing Migration Surveys: The World Bank Experience.** Robert E.B. Lucas, Dept of Economics, Boston University. Sponsored by Center for International Studies. Room E38-714. Sponsor: Center for International Studies

Wednesday's Events

- 12:00 p.m. - **The Offense-Defense Balance: Why the Better Theory Leads to Worse History.** Dr. Gideon Akavia, Center for Military Analyses, Israel. Room E38-615. Sponsor: Security Studies Program.
- 12:10 p.m. - **Salt transport in the Hudson Estuary, New York.** Melissa Bowen, MIT/WHOI Joint Program. Physical Oceanography Sack Lunch Seminars at MIT. Room 54-915. Sponsor: Physical Oceanography
- 3:30 p.m. - **Lecture on Careers: Manager, Researcher or Professor?** Lloyd Baird, MIT. Part of the MIT Professional Development Series. Ashdown House, Hulsizer Room. Sponsor: GSC.
- 5:00 p.m. - **Economy, Ecology, and the Industrial Revolution: Europe in the East Asian Mirror.** Ken Pomeranz, Associate Professor of History, University of California, Irvine. Part of the Sahin Lecture Series. Room 56-114. Sponsor: History Office.
- 5:10 p.m. - **Weekly LEM Service and Supper.** Eucharist in the Chapel, followed by a free fellowship supper and discussion. Chapel and W11. Sponsor: Lutheran-Episcopal Ministry.

Thursday's Events

- 12:00 p.m. - **Alpha Phi Omega Informational Session.** Interested in doing community service while meeting new people & having fun? If so, APO may be for you. Come learn about APO, meet some of its members, find out about upcoming projects & how to join. Sponsor: Alpha Phi Omega.
- 12:00 p.m. - **MIT Chapel Concert.** Andrew Halberstadt, organ and Brian Kay, sackbut. Works of Buxtehude, Bach and Frescobaldi. MIT Chapel.
- 12:00 p.m. - **Learning and Creative Collaboration in Networked Environments.** Maia

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.

Engeli, Professor, Architecture & Computing, Swiss Federal Institute of Technology. Room 7-400. Sponsor: School of Architecture and Planning.

4:00 p.m. - **Microbiology of the Marine Sulfur Cycle - Molecular and Classical Approaches.** Dr. Andreas Teske, Woods Hole Oceanographic Institution. Refreshments will be served at 3:30 in the Ida Green Lounge. Room 54-915. Sponsor: Earth, Atmospheric, and Planetary Sciences.

4:15 p.m. - **The Physics of Birdsong.** Partha Mitra, Bell Labs. Physics Colloquium. Refreshments in Room 4-339 at 3:45 pm. Room 10-250. Sponsor: Physics.

5:30 p.m. - **authors@mit: Edward Baron Turk.** Reading, with film clips, on *Hollywood Diva*, the MIT prof of French and Film Studies' new book on the movie musical's first superstar, Jeanette MacDonald. Humanities Library. Sponsor: authors@mit.

8:00 p.m. - **The Good Person of Szechwan.** Dramashop production of play by Bertolt Brecht, directed by Theater Arts Lecturer Kim Mancuso. Admission \$6 students, \$7 non-students. Kresge Little Theater.

8:00 p.m. - **She Loves Me.** Musical Theatre Guild production of show by Joe Masteroff (book), Jerry Bock (music) and Sheldon Harnick (lyrics). Admission \$9; \$8 MIT faculty/staff/sr citizens/non-MIT students, \$6 MIT students. Sala de Puerto Rico.

Friday's Events

3:00 p.m. - **Explaining the Flow of Elastic Liquids.** Professor E.J. Hinch, University of Cambridge, UK. Refreshments will be served immediately after the seminar in the Miller Room (1-114). Room 3-270. Sponsor: ME Seminar Series.

4:00 p.m. - **The Earthquake Cycle: Paleogeodesy and Paleoseismology of the Sumatran Subduction Zone from Coral Microatolls.** Professor Kerry Sieh, Caltech. EAPS Department Lecture Series. Refreshments, 3:30 pm, Ida Green Lounge. Room 54-915. Sponsor: EAPS.

8:00 p.m. - **The Good Person of Sezuán.** Dramashop production of play by Bertolt Brecht, directed by Theater Arts Lecturer Kim Mancuso. Admission \$6 students, \$7 non-students. Kresge Little Theater.

8:00 p.m. - **She Loves Me.** Musical Theatre Guild production of show by Joe Masteroff (book), Jerry Bock (music) and Sheldon Harnick (lyrics). Admission \$9; \$8 MIT faculty/staff/sr citizens/non-MIT students, \$6 students. La Sala de Puerto Rico.

Saturday's Events

8:00 p.m. - **The Good Person of Sezuán.** Dramashop production of play by Bertolt Brecht, directed by Theater Arts Lecturer Kim Mancuso. Admission \$7 non-students, \$6 students. Kresge Little Theater.

8:00 p.m. - **She Loves Me.** Musical Theatre Guild production of show by Joe Masteroff (book), Jerry Bock (music) and Sheldon Harnick (lyrics). Admission \$9; \$8 MIT faculty/staff/sr citizens/non-MIT students, \$6 MIT students. La Sala de Puerto Rico

Entrepreneurs

Experienced high-tech financial executives seek start-up and early stage companies to help grow IPO. We'll manage the finances and help find the money. Please call Bill at (781) 270-1332



20% OFF ALL NEW BOOKS

When you join our mailing list (email or snailmail). Subscribers to our mailing list receive **exclusive special offers**, book information, news, and announcements about our **authors@mit** events (cosponsored with MIT Libraries). The email list is low-traffic. This coupon is valid on new, non-sale priced books only. One coupon per customer. May not be combined with other offers. Expires 2.28.99

Name _____ Email _____

Tech's Books for Techies. We stock many titles used in MIT classes, both MIT Press books and other publishers' books. See our coursebook list in Friday's *Tech* (9/11) or at <http://mitpress.mit.edu/bookstore/textbook.html>

The MIT Press Bookstore • books@mit.edu

Kendall Square 292 Main St. Cambridge MA 02142 617 253.5249 OPEN M-F 9-7, Th til 8:30; Sat 10-6; Sun 12-7

BIG SAVINGS!

daytona beach



"before visiting your site I wondered if spring break was just a pipe-dream, right about now I need a

discountbreak.com

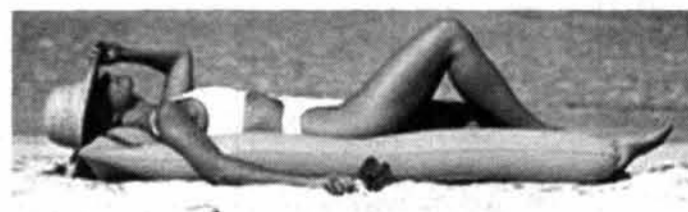
the home of gentle prices for spring break

discountbreak.com

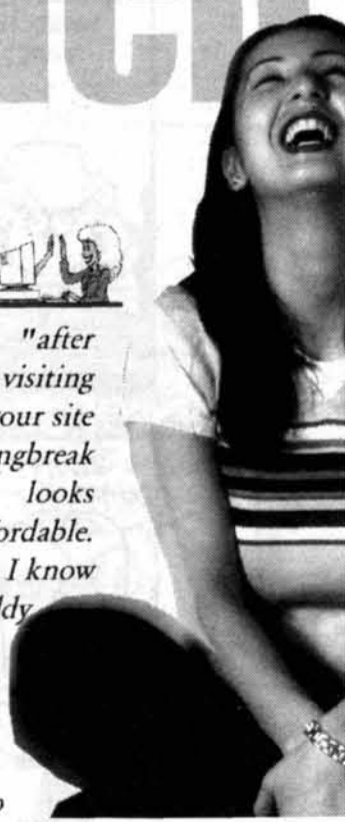
save money on your OCEANFRONT hotel

discountbreak.com

book toll-free direct-no middle man!



"after visiting your site springbreak looks affordable. I know Daddy will be more open to



HOLLYWOOD DIVA

authors@mit
presents

Edward Baron Turk
speaking about his new book

Hollywood Diva
A Biography of
Jeanette MacDonald



Thursday, February 11 5:30 p.m.
MIT Humanities Library
Hayden Memorial Library, 160 Memorial Drive, Cambridge

"In a dazzling blend of entertainment and scholarship, America's top pre-war musical film star is convincingly rethroned as an exemplary part of our American heritage....Turk convinces readers of MacDonald's status as a democratizing force for music and as a commando of sophisticated eroticism." — *Kirkus Reviews*, starred review

Edward Baron Turk is Professor of French and Film Studies at MIT and author of the prize-winning *Child of Paradise: Marcel Carné and the Golden Age of French Cinema*.

authors@mit is a series sponsored by MIT Libraries and The MIT Press Bookstore. FREE. Open to the public. Wheelchair accessible. Info: 617.253.5249 or authors@mit.edu

The MIT Press Bookstore

books@mit.edu 292 Main St Cambridge 253.5249 <http://mitpress.mit.edu/bookstore>



Stanford

SUMMER SESSION

June 22 - August 14, 1999

Undergrads + Graduate Students

- ◆ Fulfill a general education requirement
- ◆ Accelerate progress towards your degree or minor
- ◆ Live on campus—in the beautiful San Francisco Bay Area
- ◆ Over 200 classes offered in more than 50 departments

Courses in: Physics, Economics, Intensive Languages, Chemistry, Engineering, Biology, Music, Computer Science, History, Art, Classics, Athletics, Accounting, Psychology, Political Science, Anthropology, and Communication.

Stanford Summer Session	For a FREE catalogue, send your:
Building 590	Name _____
Stanford, CA 94305-3005	Address _____
(650) 723-3109	City, ST _____
(650) 725-6080 Fax	ZIP _____
Email: summersession@stanford.edu	MIT29
Web: www.stanford.edu/summersession	Circle: Undergrad Grad

Want A Challenge?

OFFICER TRAINING SCHOOL

Start your career off on the right foot by enrolling in the Air Force Officer Training School. There you will become a commissioned officer in just 12 weeks. From the start you'll enjoy great pay, complete medical and dental care, 30 days of vacation each year, plus the opportunity to travel and see the world. To discover how high a career in the Air Force can take you, call 1-800-423-USAF, or visit our website at www.airforce.com



It's a connected world. Do your share.

For 30 ways to help the environment, write Earth Share,
3400 International Drive, NW, Suite 2K (AD4),
Washington, DC 20008.



Earth Share

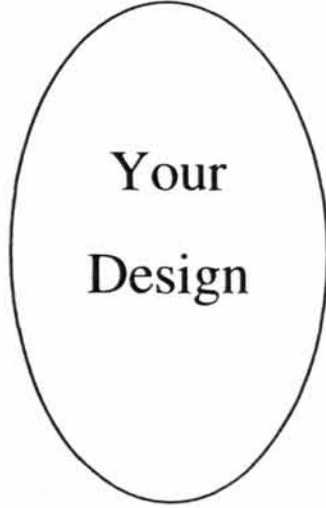
This space donated by The Tech

MIT BEAVER COSTUME DESIGN COMPETITION

\$500 PRIZE

1984 -1999

1999 -20??



Application, Competition Rules and Design Specifications
are available in the CAC Office, W20-500
Deadline for Entries: Monday, March 8, 1999
For more Information write to <beaver@mit.edu>

SPONSORED BY:

CAC Advisory and Program Boards, Graduate Student Council,
Undergraduate Association, MIT Varsity Club

Great Student Job at MIT

If you are...

- comfortable using Macs and PCs
- reliable, friendly and service-oriented
- eager to learn and work on an energetic team

\$10 / hour! starting salary

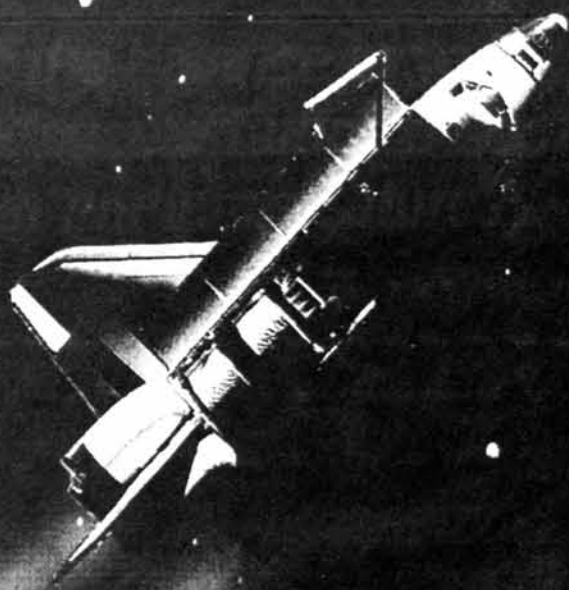


MIT Computing Help Desk

Interested? Contact:
helpsuper@mit.edu

Info session:
Tues, Feb. 16, 5:15 pm
N42 Demo Center

Launch a cure.
Launch a network.
Launch a rocket.
Launch your career.



A degree from the University of Pennsylvania Professional Master's Program gives you the boost you need to rocket to the top of your field. So go ahead, propel yourself...

BIOMEDICAL ENGINEERING...from designing products to managing projects
www.seas.upenn.edu/profprog/bioeng

BIOTECHNOLOGY & BIOINFORMATICS...for pharmaceutical-related industries
www.upenn.edu/biotech

TELECOMMUNICATIONS & NETWORKING...Internet applications, systems integration and consulting
www.seas.upenn.edu/profprog/tcom

ELECTRICAL ENGINEERING...combining a paid, industrial externship with challenging academic work
www.seas.upenn.edu/profprog/elec

SYSTEMS ENGINEERING...providing interdisciplinary skills needed to work with today's complex systems
www.seas.upenn.edu/sys/gradpros.html

UNIVERSITY of PENNSYLVANIA
PROFESSIONAL MASTER'S PROGRAMS

For more information and to register for an open house, call toll-free 1-877-ASK PENN. Visit the web sites for detailed information and to apply online.

We need someone with the confidence of a surgeon, the dedication of a marathoner and the courage of an explorer.

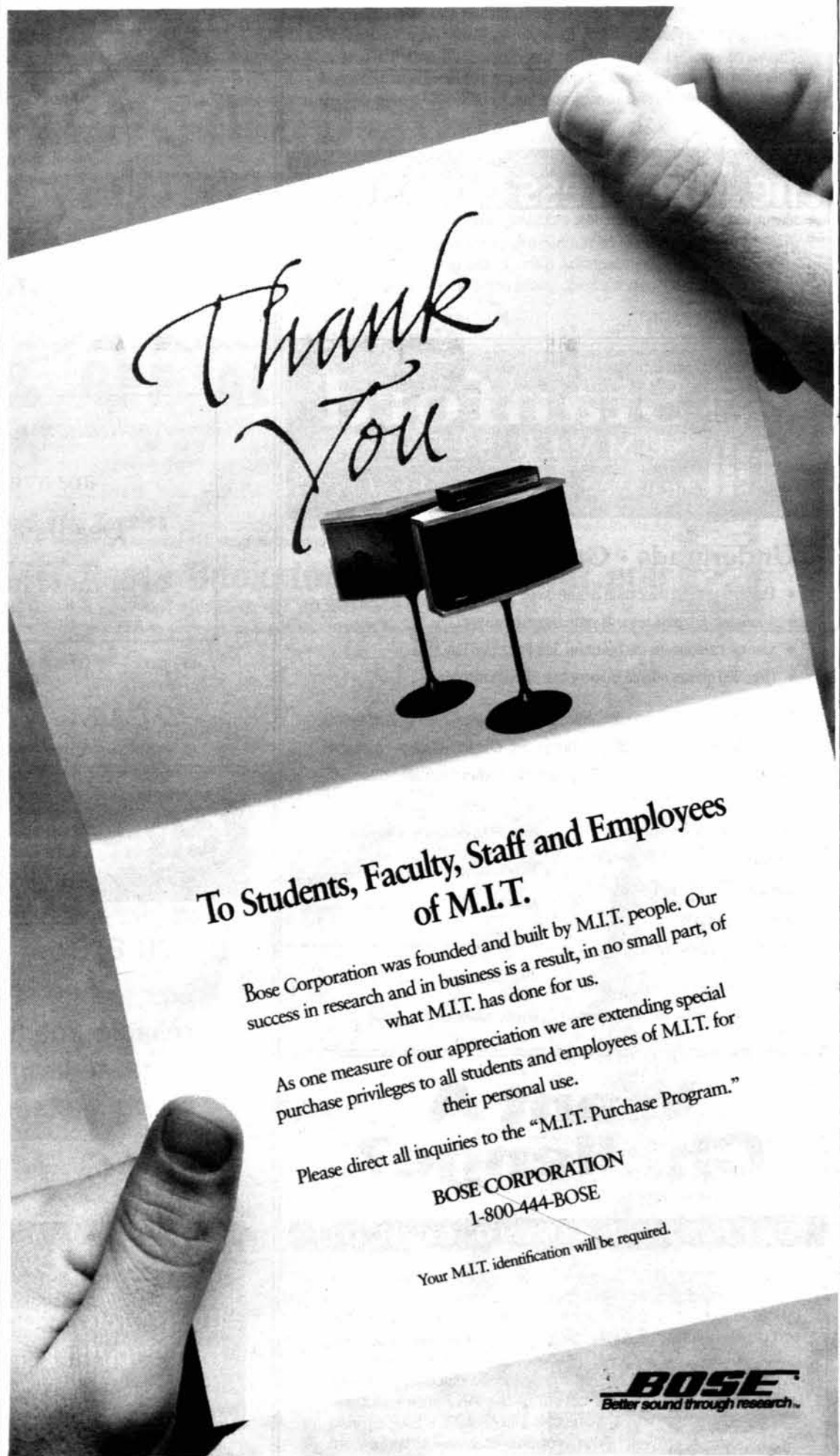
We have a unique opportunity for someone very special. A chance to spend two years in another country. To live and work in another culture. To learn a new language and acquire new skills. The person we're looking for might be a farmer, a for-ester, or a retired nurse. Or

maybe a teacher, a mechanic, or a recent college graduate. We need someone to join over 5,000 people already working in 60 developing countries around the world. To help people live better lives. We need someone special. And we ask a lot. But only because so much is needed. If this

sounds interesting to you, maybe you're the person we're looking for. A Peace Corps volunteer. Find out. Call us at (Collect) 617-565-5555 x598 **PeaceCorps.** The toughest job you'll ever love.



This space donated by *The Tech*



To Students, Faculty, Staff and Employees of M.I.T.

Bose Corporation was founded and built by M.I.T. people. Our success in research and in business is a result, in no small part, of what M.I.T. has done for us.

As one measure of our appreciation we are extending special purchase privileges to all students and employees of M.I.T. for their personal use.

Please direct all inquiries to the "M.I.T. Purchase Program."

BOSE CORPORATION
 1-800-444-BOSE

Your M.I.T. identification will be required.



Harvard Plans to Build Two New Science Centers

By Alex Ianculescu
STAFF REPORTER

Jeremy R. Knowles, Dean of Harvard University's Faculty of Arts and Sciences, announced last week a plan to build at least two new science centers. The announcement is part of the university's larger new effort to promote scientific research and education.

Harvard has already committed \$70 million to this initiative and plans to invest between \$150 million and \$200 million over the next five years.

One new building, the Center for Genomics and Protonomics, will be devoted to genetics research, much like MIT's Whitehead Institute. The other center, to be called the Center for Imaging and Mesoscale Structures, will house research to investigate the area lying between the disciplines of quantum physics and classical physics.

"We profit at MIT by having strong Science programs at Harvard so I am very happy about their initiative," said Dean of Science Robert J. Birgeneau.

He added, however, that "it is clear that MIT will not be able to maintain its national and international leading role in science unless increasing commitments are made

from the university to internal research support, infrastructure and undergraduate and graduate science education. Raising funds for these purposes should be a major goal for the upcoming campaign," Birgeneau said.

New center to investigate genes

The new Center for Genomics and Protonomics will concentrate research on understanding animal behavior, evolution, the multigenic basis of diseases and other complex biological phenomena, and on the control of many of these biological processes using small molecules.

David Nelson, the chair of Harvard's physics department, helped to plan for the imaging and mesoscale structures center, which will focus on the study of extremely small structures. Applications from such research could include the design of increasingly smaller computer processors with tremendous increases in speed and capacity.

"My colleagues and I see this as a pursuit of enormous intellectual excitement," Nelson said. "The laws of mechanics and electrical circuits, familiar from everyday experience, break down in the region we'll be exploring. We'll be looking at new

materials that will provide a chance for revolutionary, rather than evolutionary, advances in many areas of science and technology."

"Both Genomics and Mesoscopic Physics are areas where MIT has pioneered and we currently have outstanding research and educational programs. Thus Harvard is trying to emulate us in these areas," Birgeneau said.

Harvard plans other projects

Other projects to support the sciences already are underway at Harvard. The Maxwell Dworkin Building and the Naito Laboratory, currently under construction, will provide laboratory, classroom, and office space for faculty and students in computer science and electrical engineering, and in chemistry and biology.

A new \$20-million telescope in Chile is planned to expand the research capabilities of Harvard astronomers, and eight new faculty positions have been created for the physical and life sciences.

Money may also go toward programs on the design of sophisticated Web search engines to assist in scientific research, into research on the links between evolution and global climate change, and the relationship

between brain physiology and behavior.

The science initiative, according to Knowles, is designed not only to secure Harvard's place as a leading research institution, but also to concentrate FAS resources on areas of maximum potential for education. Dean Knowles heads a faculty of more than 650 responsible for the education of 10,000 undergraduate and graduate students.

"We are in a period of remarkable scientific discovery that will clearly continue long into the future and will yield enormous benefits to society," said Harvard President Neil L. Rudenstine. "Enabling our faculty and students to keep fully abreast, as well as to lead, will require the kind of new investments that Harvard has determined to undertake."

The Initiative Process

This past summer, Knowles and six faculty colleagues met to identify critical fields of current and future scientific research. The group worked on pinpointing areas that will enhance Harvard's ability to recruit creative faculty and to attract talented students. The faculty members also devised ways to foster collaborative efforts in research and

education within and across disciplinary lines.

"Outstanding scientific research often occurs at the boundaries of traditional disciplines," Knowles said, "and an institution like Harvard must continually seek the most exciting and fruitful areas of inquiry. In the best major universities, high-quality teaching and cutting-edge research are inseparable."

Harvard is nearing the completion of a successful capital campaign and has enjoyed remarkable returns on its endowment in recent years. "This is the moment to reshape our operations, chart new directions, and plan major investments for the coming decade," Knowles said.

Harvard is not the only university that has recently been devoting funds to the creation of new science and research centers. Two years ago the California Institute of Technology started work on a new center, according to Dr. Melvin Simon, Caltech's biology chairman at the school has raised about \$60 million of its \$100 million goal.

Princeton University is undergoing a campaign to raise \$60 million to support its Institute for Genomic Analysis.

Thanks to you, all sorts of everyday products are being made from the paper, plastic, metal and glass that you've been recycling.

But to keep recycling working to help protect the environment, you need to buy those products.

BUY RECYCLED.



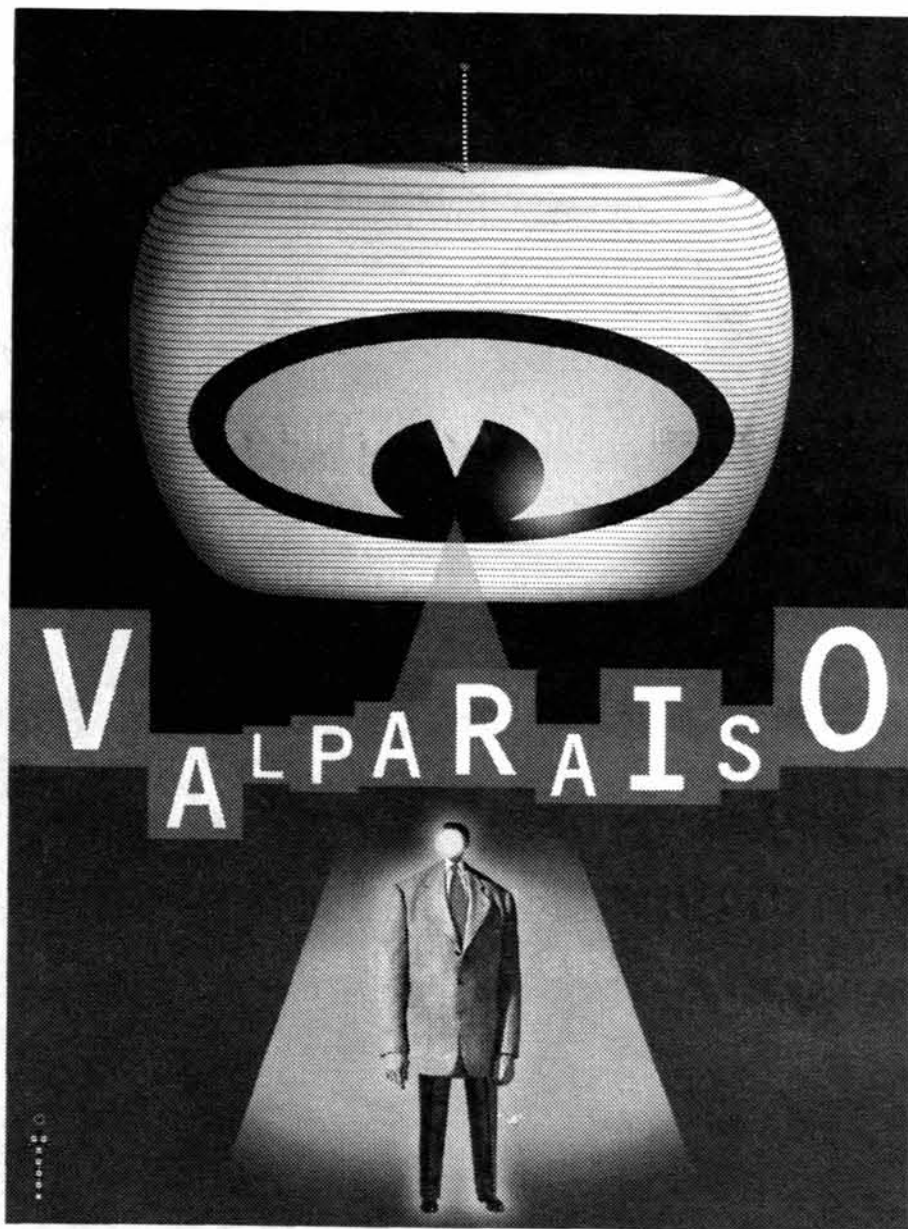
AND SAVE.

So look for products made from recycled materials, and buy them. It would mean the world to all of us.

For a free brochure, write Buy Recycled, Environmental Defense Fund, 257 Park Ave. South, New York, NY 10010, or call 1-800-CALL-EDF.

ENVIRONMENTAL DEFENSE FUND

EPA



Film at II.

The American Repertory Theatre, in association with *AT&T: OnStage*®, presents the world premiere of a new play, VALPARAISO by Don DeLillo. Directed by David Wheeler. Now through March 17th. American Repertory Theatre 64 Brattle Street Cambridge, MA. For tickets call: 617 547-8300

© 1999 AT&T

In 1984, Big Brother was watching. But today, everyone's watching as our everyday lives become the next segment on the evening news.

The American Repertory Theatre, in association with *AT&T: OnStage*®, presents VALPARAISO, a new play by Don DeLillo about the collapse of privacy and the power of the mass media to shape our consciousness. VALPARAISO follows one man's mock-heroic journey into a media culture where nothing is unseen and nothing remains unsaid, a place where everything is footage waiting to be shot.

AT&T is proud of our association with The American Repertory Theatre and VALPARAISO. By lending our support to such thought-provoking new works, we enrich the arts as well as the communities we serve.



MIT too easy? Try consulting.

CSMG Case Competition '99

Co-sponsored by SUMA

**Crush the competition.
Win \$1,000.**

Learn what it's like to be a consultant. During the case competition you will have the opportunity to experience consulting first hand. Your job will be to identify, research and resolve a real-world strategy issue in the high-tech sector.

Undergraduates from all levels and all majors are encouraged to participate in teams of 2 to 4. Register your team now at suma.mit.edu.

Grand prize: \$1,000

Two runner-up prizes of \$250 each

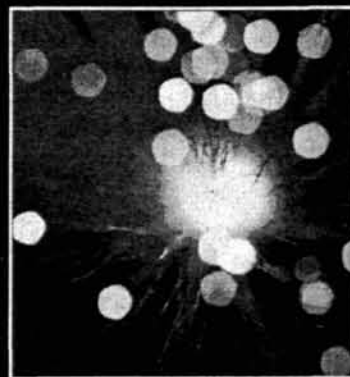
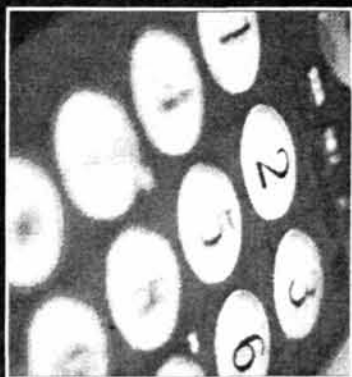
Schedule:

February 16
Kick-off and
Case Distribution
Room 6-120
7 to 9pm

February 18
Case Workshop
Room E51-325
7 to 9pm

February 25
Semifinals
Room E51-345
7 to 9pm

March 11
Finals
Room 10-250
6 to 8pm



suma.mit.edu

Safety of MacGregor Windows In Upper Floors Reconsidered

Suicide, from Page 1

He'd often reduce my freshman seminar group to uncontrolled laughter through tales of his day-to-day experiences here. We all enjoyed the pleasure of his company, and are very shocked and saddened by his death," said Patricia J. Culligan, associate professor in the department of Civil and Environmental Engineering who taught the freshman advisory seminar that Manley took last semester.

Manley was openly gay and had participated in activities sponsored by the Gays, Lesbians, Bisexuals, Transgendered, and Friends at MIT his first week at MIT as well as a few times during the year, according to Terrance D. Harmon '99, general coordinator of GAMIT. According to one of Manley's friends, residents of G-entry were accepting of his homosexuality.

"Michael was such a bright star. It is just unfortunate he didn't realize how much he had going for him," said Jonathan D. Kennell '02, who knew Manley through ESG.

"He was very caring, very sensitive in that it mattered to him what people thought," said Christine L. Tsien G, G-entry floor tutor.

"I thought he had a really nice smile and that is what I'd like to remember," Tsien said.

"Michael was funny and sensitive. He was very likable. He liked to laugh so much. He was so

determined to succeed and he was so brilliant. He loved to write, and he was so good at it. He always wanted to help people and planned on joining the Peace Corps. He was a loving person and I will remember Michael for the rest of my life," said a friend of Manley who is a resident of G-entry.

Counseling made available

Saturday afternoon and evening, two psychiatrists were available to counsel students in MacGregor. Students also met Sunday afternoon to discuss Manley's death. ESG students met yesterday afternoon with staff and counselors as well.

Late Saturday night, however, G-entry residents say they had trouble finding counseling and information about what happened in the dorm.

"I have been approached by people who were totally lost as to who to talk to about this incident," said another G-entry resident.

Manley's death is the fourth suicide by a MacGregor resident in the last eleven years. In response to the incident, housemasters, students and administrators met on Sunday to discuss safety issues associated with access to windows in the upper floors of MacGregor, according to Randolph.

John S. Wilson, associate housemaster of MacGregor said, "We had some limitations on the windows in place before and this was a meeting about improving the

system."

Memorial Services to be held

Memorial services for Manley will be held tomorrow morning in Tempe, Arizona for close friends and family.

An additional service will also be held Thursday at the MIT Chapel at 5:00 p.m., according to Randolph.

Josh Bittker contributed to the reporting of this story

Cheap tickets. Great advice. Nice people.

! DON'T LET YOUR FRIEND GO WITHOUT YOU!
Spring Break sells out!

! CANCUN OR JAMAICA FROM \$449 A PERSON!

Council Travel
Council on International Educational Exchange
273 Newbury Street
Boston, MA 02116
Phone: 617-266-1926
www.counciltravel.com

IT CAN KILL YOU IF YOU DON'T RECOGNIZE IT.

Depression strikes millions indiscriminately. Depression is MOST dangerous when it goes unrecognized. Always be aware of the threat, and don't always believe everything you feel.

UNTREATED DEPRESSION #1 Cause of Suicide

Public Service message from SAVE (Suicide Awareness Voices of Education) <http://www.save.org>

This space donated by The Tech

FLORIDA SPRING BREAK FROM \$159 PER WEEK*

SANDPIPER BEACON BEACH RESORT PANAMA CITY BEACH
www.sandpiperbeacon.com (*rates per person)

"HOME OF THE WORLD'S LONGEST KEG PARTY"
FREE DRAFT BEER ALL WEEK LONG-CALL FOR INFO!
1-800-488-8828

Win a trip for four to South Padre Island! for Spring Break '99

Log on to collegestudent.com

Select Your School
Go to the Travel section
Register to WIN!!!

Check Out www.collegestudent.com today!

Brought to you by The Magma Group



COMPUTER ENGINEERING • COMPUTER SCIENCE • PHYSICS • CHEMICAL ENGINEERING
MATH • ELECTRICAL ENGINEERING • MECHANICAL ENGINEERING • BUSINESS ANALYSIS



TAKE TECHNOLOGY TO THE NTH POWER.

When something is too extreme for words, it's to the Nth degree. And that's the level of technology you'll experience at Raytheon.

Raytheon has formed a new technological superpower - Raytheon Systems Company, composed of four major technological giants: Raytheon Electronic Systems, Raytheon E-Systems, Raytheon TI Systems and Hughes Aircraft. The new Raytheon Systems Company is driving technology to the limit. And we're looking for engineers who want to push the envelope. Break new ground. Make their mark.

At Raytheon, you'll take technology - and your career - to the highest possible level. You'll take it to the Nth. We'll be visiting your campus soon. Contact your career placement office now to schedule an interview, or check out our website at www.rayjobs.com. If you are unable to meet with us, please send your resume to: Raytheon Resume Processing Center, P.O. Box 660246, MS-201, Dallas, TX 75266. We have many exciting opportunities available and we would like to talk to you.

Internet: www.rayjobs.com • E-mail: resume@rayjobs.com
U.S. citizenship may be required. We are an equal opportunity employer.

Raytheon

POLICE LOG

The following incidents were reported to the Campus Police between Jan. 16 and Feb. 3. Information is compiled from the Campus Police's weekly crime summary and from dispatcher logs. The report does not include alarms, general service calls, or incidents not reported to the dispatcher.

Jan. 16: Amherst Alley, person reports being struck by ice thrown from roof of Kappa Sigma; Windsor lot, suspicious vehicle checked out okay; McCormick, check of person carrying computer, checked out okay; Burton, report of bicycle stolen from suite, later discovered locked by the pool.

Jan. 17: Amherst Alley, report of an argument involving Alpha Tau Omega and Delta Kappa Epsilon.

Jan. 18: Bldg. E18, wire stolen, \$300; Bldg. 4, two suspicious persons stopped and issued trespass warnings; East Campus, Kitchen Aid mixer stolen \$310; Hayden Library, calculator stolen \$130; Rockwell Cage, wallet stolen while person was playing basketball \$20 cash and credit cards; Bldg. 66, suspicious person stopped, trespass warning issued; Albany Lot, report of vandalized trailer, same checked out okay; Bldg. 16, report of persons with computer equipment, same checked out okay; Kresge, report of possible intoxicated person, same gone upon CP's arrival; Bldg. 68, suspicious activity involving a delivery person, individual gone upon CP's arrival.

Jan. 19: Ames St., assist Cambridge Police with motor vehicle accident; Bldg. 4, report of call on the "100" line, unable to locate any problem; Rockwell cage, person reports wallet stolen previous evening while playing basketball, \$25 cash plus credit cards; Bldg. E23, smoke in elevator room causing heavy smoke on upper floors, building evacuated without incident; Bldg. 10, report of persons on dome, same were authorized construction workers; Senior House, student problem between persons known to each other.

Jan. 20: DuPont Gym, locker broken into, watch and cash stolen \$100; Kresge lot, three students stopped for letting air out of tires; Vassar St., report of homeless person, same was gone upon CP's arrival; Student Ctr. individual issued trespass warning; Vassar St. report of intoxicated/homeless person individual assisted by Cambridge Police and transported to shelter; Burton, parents called concerned about sons whereabouts, he was advised to call home.

Jan. 21: Baker House, 6 alcohol citations were issued for Category 1, underage party with alcohol; Bldg. E60, Cambridge Police report of 911 hang-up call, no cause found; Main St. assist Cambridge Police with indecent exposure; Bldg. 26, report of suspicious vehicle, same checked out okay; Bldg. 37, wallet, \$40 cash and credit cards stolen; Bldg. 7, report of threatening mail; area of 203 Mass. Ave., intoxicated student, alcohol citation issued for Category 2; Bldg. E39, laptop computer stolen \$1500; Albany St. area of NW10, two homeless individuals assisted to shelter.

Jan. 22: Bldg. NE43, CD player stolen \$100; Student Ctr., report of suspicious person, same discovered to be a student sleeping; Memorial Dr. report of person walking in roadway; Bldg. 37, women's room, report of suspicious activity; Bldg. 50, report of intoxicated person in men's room, same transported to shelter; Bldg. 23, cleaning solvent spilled causing a reaction with floor wax, area cleaned with soap and water; Bldg. E53, pocketbook stolen contained eyeglasses and \$20 cash; West Garage, emergency telephone call, check of area no cause found; Bldg. E52, report of possible break into vending machine, machine being serviced, all okay; Bldg. 24, report of homeless person, same issued trespass warning.

Jan. 23: Bldg. 50, trespass warning issued to individual; Bldg. 66, suspicious activity; Student Ctr., suspicious person same escorted off MIT property; Alpha Delta Phi, report of

suspicious person, same discovered to be cab driver.

Jan. 24: Bldg. 16, report of suspicious person inquiring about e-mail account, unable to locate; Johnson Athletic, report of unauthorized group using track, gone upon CP's arrival; Bldg. 8, report of person sleeping, same checked out okay; Albany Garage, emergency telephone call, no cause found; Burton, noise complaint, radio turned down; Student Ctr., 1) suspicious person, trespass warning issued; 2) male placed under arrest for trespassing.

Jan. 25: Bldg. E55, male taken into custody on outstanding warrant; Random House, report of vandalism to rear door; Killian Court, suspicious person, issued trespass warning; assist MBTA police area of 84 Mass. Ave. with fare evaders; Bldg. W11, charity collections stolen \$20; Bldg. 5, report of homeless person sleeping, same was student; assist Cambridge Police, 1) Vassar St., report of vehicle broken into and cell phone stolen; 2) Albany Street with explosion and fire in a non-MIT building; Boston, 478 Commonwealth Ave. vehicle exiting a parking spot struck van #200.

Jan. 26: Memorial Dr. and Ames St. report of suspicious vehicle, same checked out okay; Johnson Athletic Ctr., back pack containing a camera and other items stolen \$195; Bldg. 3, Athena Cluster, MIT ID stolen.

Jan. 27: Bldg. 54, suspicious activity; Bldg. 26, report of missing 7 year old, same discovered to be sitting in front row of lecture hall; Ford Lot, report of suspicious vehicle, same checked out; Sigma Chi, laptop stolen \$1,600; Student Ctr., homeless person, same was on his way to shelter; assist Cambridge Police with minor vehicle accident, Broadway and Binney Streets.

Jan. 28: Lobby 7, hack; Bldg. 10, cash stolen from wallet \$105; Ashdown, credit card stolen and unauthorized purchases made; Bldg. E23, body pack reported stolen with \$140 cash, later discovered; Assist State Police, Longfellow Bridge, student rescued from Charles River. Individual was treated and released from Cambridge City Hospital; Bldg. NW13, intoxicated homeless person transported to shelter; Lobby 10, hack; Student Ctr., homeless person, issued trespass warning.

Jan. 29: Pay Lot, attendant harassed by patron; Bldg. 18 bike rack, \$200 bike stole; Bldg. 66, Daniel K. Preston arrested for trespassing; Sloan lot, report of suspicious activity; Assist State Police with vehicle accident Memorial Dr. at Vassar Street.

Jan. 30: Kresge, safety hazard overcrowding at event; N10 lot, '86 Toyota Camry stolen; Bldg. 4, suspicious activity; Senior House, fire alarm building evacuated due to burnt food.

Jan. 31: Westgate, report of woman screaming, discovered to be female saying goodbye to friend; Student Ctr. emergency line hang up calls, no one located in area.

Feb. 1: Alpha Tau Omega, \$720 cash stolen; Bldg. 7, vending machine broken into, cash stolen; Bldg. E25, CD player stolen \$150; Bldg. 26, bike stolen \$200; Bldg. 56, suspicious activity; Bldg. 7, annoying mail; Albany Lot, hit and run property damage; Bldg. E51, suspicious activity; assist Cambridge Police at Mass. Ave. and Vassar St., with homeless person bothering female; Albany Lot, report of homeless person, individual was gone upon CP's arrival; Bldg. 7, annoying mail; Bldg. 56, suspicious activity; Bldg. 7, homeless person gone upon CP's arrival.

Feb. 2: East Campus, harassment; Bldg. W59, attempted break into area; Bldg. 5, vending machine broken into; Student Ctr. suspicious person issued trespass warning; Bldg. 50, suspicious activity; Bldg. 7, suspicious activity; Memorial Dr. assist State Police with vehicle accident; Sloan lot, motor vehicle accident.

Feb. 3: Sloan Lot, suspicious vehicle; 33 Mass. Ave. bike rack, 1) bicycle stolen \$700; 2) bike stolen \$90; Bldg. E25, vending machine broken into; Bldg. 2, major water leak cause by broken pipe; duPont gym, check on possible trespasser.



Something to feel good about.

United Way

This space donated by The Tech

For MIT Students Only

FREE TICKETS



... to the Boston Symphony Orchestra
... to attend other great concerts, plays, exhibitions

FREE ADMISSION



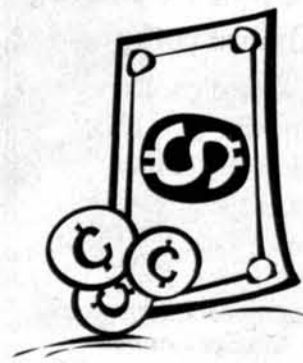
... to Boston's Museum of Fine Arts

FREE ART



... for your dorm room or lab

FREE MONEY!



... for your own art projects

Through programs sponsored by the Council for the Arts at MIT and the List Visual Arts Center. For more information on these freebies and other opportunities in the arts for MIT students, see <<http://web.mit.edu/arts/students.html>> or stop by the Office of the Arts (E15-205).

\$1K Winners Speak On Business Plans

\$50K, from Page 1

with it myself."

Kapor's fiancé then interrupted him to point out that an MIT professor running a Power Point presentation at the \$50K meeting asked her for a paper clip to start his computer.

"That's just the way it is," joked Kapor. "And it teaches a valuable lesson: the vast majority of the world isn't that excited about software. Most of them just find it a pain."

"That's one thing I need to warn you about," he told the audience. "The problem MIT students have is that they get excited when they see some new electronic device. But they don't seem to comprehend that the rest of the world isn't nearly as excited about it as they are."

But Kapor ended on a lighter note, complementing those who are entering the competition.

"Participation is highly worthwhile, even if you lose. I can honestly say that failure was my greatest teacher."

\$1K winners reveal their plans

Last term, \$50K officials announced the winners of the \$1K competition, a miniature version of the \$50K that contestants use to test their ideas with judges. Each of the \$1K winners presented a 30 to 40-second "elevator speech" for the audience at the \$50K kickoff.

One group, microEngine, plans to commercialize "tiny button-size jet engines that could turn carbon fuel into portable power," said spokesman Jonathan M. Protz G. The engines are based on MIT's power-MEMS technology.

Another winner, SportLogic, also incorporated miniature devices into their proposal. Spokesperson Adam J. King G explained that the

company would create performance tracking products, including a running device that monitors athletes' progress through a specified training program. Software can then be used to create a variety of different training programs. The group plans to test their devices on marathon runners before commercializing the product.

Natural Electric, Inc. proposed an altogether different performance-enhancement strategy. "We've developed a technology that is an alternative to turbine systems used in hydroelectric plants," explained spokeswoman Gia D. Schneider '99. The group hopes to mainstream environmentally-safe hydroelectric power using their new technology.

Most of the other \$1K winners created web-based projects, including portable electronic book devices, biomedical websites, and specialized web-based systems for businesses.

Future \$50K events announced

At the kickoff, competition organizers announced several future meetings for \$50K contestants. The Teambuilding Dinner will be held today at 8 p.m. at the Media Lab. Registration forms for all future \$50K events can be accessed at <http://50k.mit.edu>.

Organizers will also continue to sponsor events throughout the spring term. Students can still enter the competition by registering and completing a business proposal on the web.

Motorola; Testa, Hurwitz, & Thibeault, LLP; and Fidelity Interactive are primary funders for \$50K events at MIT. The entire competition is paid for by nearly 30 sponsors, including MIT.

Now Hiring...



Learn to Teach Earn \$\$\$

ATHENA® is looking for students to work as
Minicourse Instructors

For the 1999-2000 Academic Year, and beyond...

Do you think that your **teaching and presentation skills** are important for a technical career? As a minicourse instructor, **you can improve them.**

If you:

- Can explain technical topics clearly,
- Are comfortable using Athena, and want to learn more about it,
- Need to add some teaching experience to your resume,
- Are an MIT student -- grad or undergrad...

...then we would like to talk with you.

As an Athena minicourse instructor you will:

- Teach minicourses during Orientation week, IAP, and each semester,
- Earn money, including a **paid training period**, and
- Improve your teaching skills.

Prior Teaching Experience is NOT Required

To request an application, or more information,
please write to [<training@mit.edu>](mailto:training@mit.edu)

®Athena is a registered trademark of the Massachusetts Institute of Technology.

**FRIENDS
DON'T LET
FRIENDS
DRIVE
DRUNK.**



U.S. Department of Transportation

This space donated by *The Tech*

STUDY IN
OXFORD

Live with British students in the very center of Oxford as an Associate Student of a medieval Oxford college.

Summer and graduate study available. Since 1985, students from 240 leading U.S. Colleges have studied in Oxford through W.I.S.C.

Washington International Studies Council

214 Massachusetts Avenue, N.E.
(Suite 370)

Washington, D.C. 20002
Phone Number: (202) 547-3275
Free Telephone: (800) 323-WISC
Facsimile: (202) 547-1470
E-mail: wisc@erols.com



You've got plans to **engineer**
the **21st Century.**

You're looking for a company
with the **energy,**
power
and **resources**

to launch your career.

ABB

Visit our Web site at www.abb.com/usa

Information Session
Room 2-135
February 11, 1999 • 6 pm - 8:30 pm

Fencing Teams Show Strength Against Division I Competition

By Evangelos Efstathiou

TEAM MEMBER

Last weekend, the women's fencing team held its own against some of the top Division I schools in the nation, including the University of Pennsylvania, Northwestern University, University of North Carolina and New York University. Though three out of the four schools are outside of MIT's region, the team competes against them to gain experience and to provide individuals with opportunities to improve their regional records.

The foil and epee squads began the day with a round against Penn in which both squads fenced solid bouts. On the foil side, starters Oriana Hunter '99, Dianne Allen '01, and Aimee Wiltz '99 contributed wins. For the epees, Nora Szasz '99 and Jessica Sandland '99 led in wins against the school. Despite this, the strong Penn team prevailed and won the round. Following two byes, the women faced up against Northwestern.

While the epee squad was able to win several tough bouts, the foil squad had a more difficult time in bringing up the total of wins. The charging attacks of the Northwestern foil squad proved hard to defend against and the MIT women foilists could not set up their own offensives. Eventually, Northwestern won the round 12-4.

The next round placed MIT against UNC, with the women rallying for an overall win. In the match-up with UNC, both epee and foil squads worked hard towards a team victory. The epeeists finished early with a 9-7 win. After three rotations, the women foilists had five victories and needed two more to secure a tie and possible win on indicators.

During the last rotation, MIT's foilists were able to post only one of the needed bouts for the closest loss of the day. At the end of the long competition, the women's team fenced against a competitive and experienced NYU team. Fatigue showed for both teams in the longer bouts and closer scores. In the end, the foil squad posted eight wins against the NYU team for a tie in number of bouts and a squad win on indicators. The epee squad had more difficulty with their competition and fought hard for wins against the tough NYU

squad. The NYU team was able to defend themselves against the onslaught and won.

Though the women fencers were unable to reach a team victory, team captain Wiltz said of the women's performance, "This is definitely the best we have done against these schools since I've been at MIT. I was really proud of the way the foilists and epeeists fought for wins against such tough competition."

Individuals were able to finish with winning records on the foil and epee squads. Both Szasz and Wiltz had matching records of 10 wins and six losses, while Sandland finished close behind with a solid performance.

Wiltz, Hunter, Allen, Beth Manoogian '99 and Danielle Morse '02 competed for the women's foil squad on Sunday. Szasz, Sandland, Sylwia Daniszewska '00, and Elizabeth Shin '02 competed for epee. The women will not compete for the next two weekends and will fence in the New England Championships at the end of February.

The men's fencing team had a strong showing to end their regular season competition with a 14-5 record overall, one of the best performances since the 1980 NCAA Bronze medal winning team. The competition began with a loss to top ranked Penn despite a strong showing by sabre squad leader Brian Bower '99. Bower defeated last year's NCAA silver medalist Michael Golia by a score of 5-1.

The second team that the men's team faced was Duke University. Strong performances from all three squads pulled the engineers within two bouts of victory. The Engineers unfortunately dropped the match 15-12.

After the men's team had a bye, they were able to gain some momentum. Team captain Evangelos Efstathiou '00 rallied the squad by winning three straight and finish the day with on a high note.

The men began by defeating Yeshiva, and then took on UNC, defeating them soundly. Curtis Wade III '01 and Mike Krypel '01, men's epeeists, had strong performances, and the sabre squad finished 6-3.

The biggest challenge of the day

for the engineers was competing against NYU. Amazing individual performances bolstered the MIT team throughout the match. The men's epee squad leader Matt DuPlessie '99 swept three heated bouts against top ranked fencers in the country, and epee finished with a 4-5 record. The sabre fencers Phil Miller '01 and Evan Efstathiou also swept their bouts, finishing 6-3 combined. In the end, the foil squad needed to win two of the last three bouts, without squad leader Andre Van Horn '01, who had fenced earlier in the day. Oliver Chadwick '02, despite injuries, managed a victory, and in the final bout of the day Ali Ibrahim pulled an incredible upset to give MIT a 14-13 team victory.

The men's team will be fencing in the New England and IFA championships the next two weeks, followed by NCAAs.

Women's Track Takes Second at Bates Meet

By Melanie Harris

TEAM MEMBER

On Saturday January 30, the women's indoor track team once again surpassed expectations to score 187 points against Williams College (200), Smith College (93), Bates College (81), and Mt. Holyoke College (55).

Throughout the meet the Lady Engineers led in scoring, starting off with an incredible second place 4x200m relay run by Elaine Chen '99, Deepa Patel '01, Adeline Kuo '02, and Renee Bowen '00. This group ran an amazing relay as they came from behind to finish just behind the first place team.

The sprinters were also on fire as they placed fourth in the 55m dash. Chen finished well under the New England's as well as the ECAC's qualifying mark with a second place finish and time of 7.74. This mark also broke the school record. Kuo finished fourth with a 7.87. Alyssa

Thorvaldsen '00 took sixth with a 7.94 and Bowen placed seventh with an 8.09.

In the 55m hurdles, Thorvaldsen won the event with a 9.09 and Lila French '99 placed sixth in 9.74. Both times qualified the runners for the New England's.

Bowen, Kuo and Chen swept the 200m competition. All three runners qualified for New England's. Bowen ran a new school record of 28.05 and Kuo set the rookie record with a 28.38. Chen finished close behind at 28.45.

The 4x400m relay team made a good show by placing second with a new record of 4:20.8. It was run by Kuo, Chen, Kay Sullivan '02, and Bowen.

Princess Imoukhuede '02 led the team in throws with her power and strength. In the weight throw she placed seventh, with a school and rookie record of 39'4". She then placed third with another varsity and rookie record in the shot put with a distance of 37'9 1/2".

The field event participants took four scoring places in every jumping event. Helen Lee '02 earned fourth in the triple jump for a school and rookie record of 31'7 1/2". Vanessa Li '02 placed fifth, qualifying for New England's with 31'6". Mia Heavener '00 placed seventh with 28' 1/4" and Mealani Nakamura '00 finished eighth with 26'4 1/2".

In the high jump, Sullivan and Chen soared over the bar for second and third place, both qualifying to ECAC's and tying the school record of 5'1/4". Lee and Heavener followed closely with fifth and sixth places at the height of 4'6".

In pole vaulting Stephanie Norris '02, French, and Li finished first, second and third respectively. Norris and French both vaulted 9'6" for the school record. Li cleared 8'6" and Sullivan placed seventh at 7'.

Jumpers extraordinaire Li, Chen and French placed fifth, sixth and eighth in the long jump with powerful leaps of 14'9 1/4", 14'7 3/4", and 13'11 3/4" respectively.

Middle Distance events were out in full-force as Bowen, Sullivan, and Li placed third, fourth, and seventh in the 400m, with times of 63.96, 64.75, 69.26. Milena Yamaykina '02 went out strong to place seventh in the 600m with a varsity and rookie record time of 1:49.55, as Tanya Zelevinsky '99 placed eighth in 1:51.7. The middle distance runners kept up the pace in the 800m as Christina Cosman '01 placed sixth with a 2:43.46. Theresa Buriemek '99 debuted in this race with a seventh place finish and time of 2:57.49. Close to her was Lisa Scoppettuolo '02 in 3:03 for eighth place.

Melanie Harris '01 broke the varsity record with a 3:15.29 for a sixth place finish in the 1000m, qualifying for New England's. Chi-An Wang '01 placed eighth in the 1000m. She also qualified for New England's with her time of 3:19.6. In the 4x800m, middle and long distance runners Harris, Cosman, Yamaykina, and Debbie Won '00 combined forces to run a strong second place finish and varsity record of 10:22.4.

The distance events went well as Harris placed fourth in the 1500m, setting a personal record and also qualifying for New England's. Patricia Diaz '00 Started the day well by winning her heat and placing eighth with a time of 5:22.72. Diaz then came back on an incredible double to run the 5000m in 20:19.4 for fifth place to qualify for New England's.

Won made history by being the first ever woman in the eight year history of MIT women's track and field to qualify for nationals. Won, who is also undefeated in the 3000m and 5000m races this season, ran an amazing race to place first in the 5000m with a time of 18:04.35 and qualifying provisionally for nationals.

This Saturday the women will be racing at home in the first ever co-ed indoor track invitational held at MIT.



GREG KUHNEN—THE TECH
Michael Posner gracefully dips Reena Freeman during the 8th Annual Harvard Invitational Ballroom Dance Competition. The competition ran Saturday and Sunday.

Woods Rebounds Puck In Victory Against Bates

Hockey, from Page 24

fell behind 2-0 early in the game. With the early lead and a boisterous crowd supporting them, Bates dominated the first period and the early minutes of the second period. Play was stopped early in the second period to repair a broken pane of glass at the ice level. The stoppage allowed MIT to regain their composure, and they scored two quick goals after play resumed to tie the game. The game was tied at 3-3 in the third period when Bates scored to take the lead with only seven minutes remaining. After taking a penalty late in the game with only four minutes remaining, it began to look like MIT's winning streak

would be coming to an end. However, in a true display of determination and penalty killing, MIT was able to steal the puck which led to a short handed goal by Geller. With only one minute remaining in the game McKeone stole the puck and put a shot on goal after a break-away. The Bates goalie made an incredible save, but Mike Woods '00 was there to bury the rebound and give MIT the last minute 5-4 victory.

At 9-2 overall for the season MIT is looking forward to a chance at winning the league championship and hopefully a shot at a national title. Their next home match will be Wednesday, February 10 at 7:00 p.m. against Daniel Webster.

Men's Ski Team Finishes 6th in Slalom Competition

Skilling, from Page 24

have to rely instead upon some strong finishes at the top. In Saturday's slalom, Maupin, Vasconcellos, and Gerstle provided three solid times, but they were not enough to keep MIT from finishing tenth among the A-Teams. On a more positive note, Zelazo led the B-Team to an unofficial sixth place finish among the other schools' B-Teams, once again demonstrating MIT's depth.

A difficult course on Sunday took its toll among the men's field, including two racers out of MIT's five-person A-Team, although Vasconcellos, Raman, and Gerstle all turned in their best giant

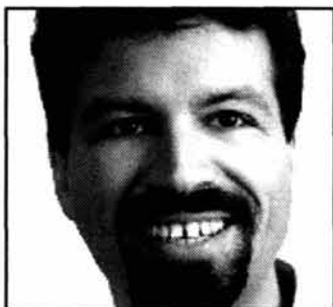
slalom performances of the season. Nevertheless, MIT expected that the count-three format would still work against them, which made it all the more shocking for the team to find itself in sixth place, ahead of northerly rivals Colby-Sawyer, St. Anselm's, and New England College, plus Division I powerhouse Boston College (which is currently third overall in the cumulative league standings).

With the end of IAP training reverted to nearby Blue Hills, and thankfully the strong rains avoided falling during MIT's training slots. The team will be in fine shape for their next race against Boston College at Ascutney on February 6-7.

DEF TUV TUV OPER OPER NIGHTLINE IS THERE FOR YOU

OUR ENGINEERS HAVE THE FREEDOM TO DO ANYTHING THEY WANT, INCLUDING WRITING THIS AD.

ALLOWING OUR ENGINEERS A HIGH DEGREE OF LATITUDE IN THEIR WORK HAS PRODUCED NUMEROUS PATENTS, INNOVATIONS AND REVOLUTIONARY TECHNOLOGIES. MANY ENGINEERS CONSIDER THIS FREEDOM THE BEST PART OF THEIR JOBS, SO IT'S NO SURPRISE THAT THEY'D WANT TO TALK ABOUT IT.



Chris Ickler
BS PHYSICS – MIT

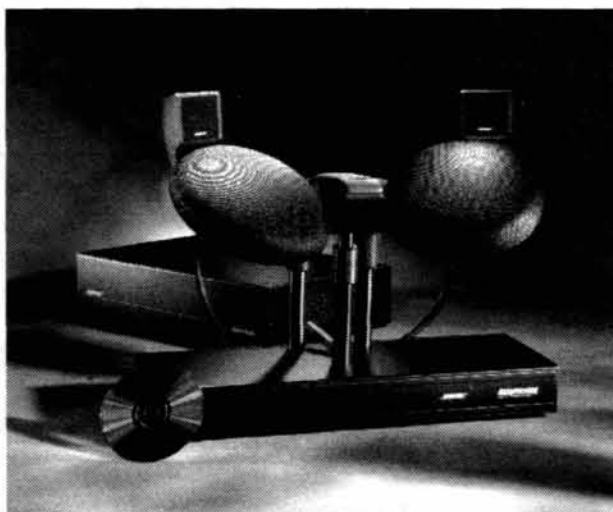
Chris is one of the creators of the Bose® Auditorer® demonstrator. Working from as little as a blueprint, the Auditorer system lets people hear exactly how an audio system will sound from any seat in a facility, even if it hasn't yet been built.

“ At first, the idea was to make a fuzzy crystal ball. What we have today wasn't even thought possible in 1989 when we started. We had a software program called the Modeler® design program that would visually show sound coverage in a given space. They asked me to 'make Modeler audible' – create a system so people could hear what Modeler was showing them. Then they let me do it.

I spent the first six months just studying human hearing. Later, I started ordering equipment that almost no one understood.

Bose never said 'no.' They believed in me and gave me the time and resources to get my job done.

No other company would let me do that. That's what keeps me here. You are given big opportunities. You are encouraged to try. Nobody tells you how to do it – most of the time because it has never been done. You are always told, 'you'll figure it out.'



The Auditorer Playback System.

Today, Auditorer is virtual reality that cannot be distinguished from reality. ”

WHAT DO YOU WANT TO DO?

DISCOVER MORE ABOUT BOSE. ATTEND THESE EVENTS:

ON-CAMPUS INFORMATION SESSION – TUESDAY, FEBRUARY 9, 7:30 PM, ROOM 4-270.

ON-CAMPUS OPEN INTERVIEWS – THURSDAY, FEBRUARY 11, REGISTER AT THE MIT CAREER OFFICE.

BOSE®
Better sound through research®

For more information fax or e-mail your resume to Lyn Van Huben, Bose Corporation,
The Mountain, Framingham, MA 01701-9168. FAX:(508) 766-7031. E-mail: lyn_vanhuben@bose.com

www.bose.com

SPORTS

Men's Volleyball Team Defeats Harvard In Five Set Comeback

By Thomas Klemas

HEAD COACH

The men's volleyball team defeated Harvard University for the first time since March 14, 1991. On Thursday the men's team regrouped to win 3 games in a row after dropping the first two to defeat Harvard 11-5, 14-16, 15-9, 15-7, 15-13.

The victory, in front of a large and loud home crowd, was very much a team effort as a number of different lineups were used during the intense match. The left side hitters were team co-captains Bob Moser '99 and Darius Jazayeri '00 as well as Garry Maskaly '00. The middle hitters included Anthony Parris '02, Mark Histed '00, and Yabing Chiu '99. Moser (19 kills, 14 digs), Jazayeri (8 kills), and Chiu (6 kills) had exceptional performances on offense. Parris and Histed blocked very effectively against Harvard's strong attacks. Nikos Michalakis '01 was a dominant attacking force from the right

side hitter position with 22. Minpont Chien '00, the team setter, ran the offense very effectively with his 60 assists and made some amazing defensive plays (9 digs). Nathaniel Sattler '02, David Lee '01, and Daniel Levy '02 contributed to the team defense as backrow subs for the middle hitters.

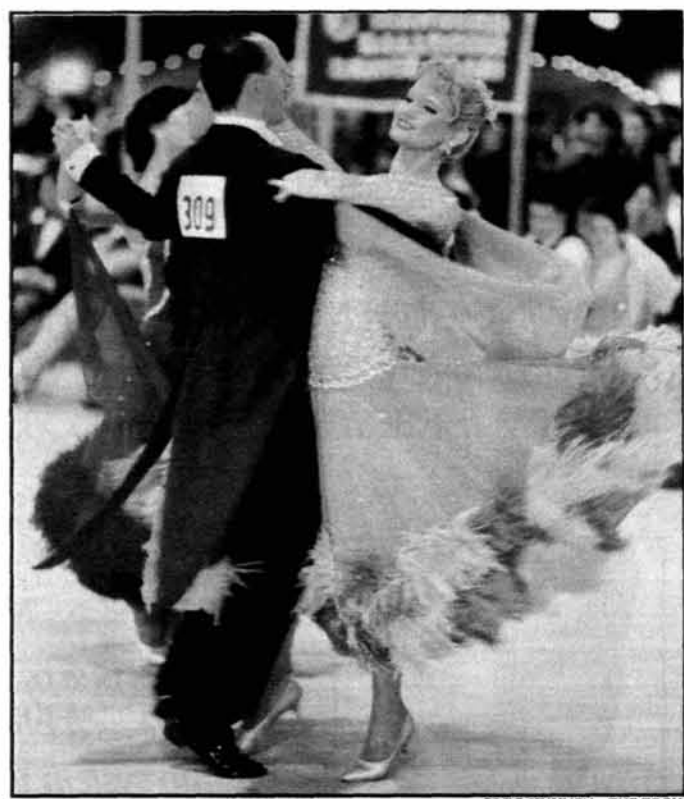
MIT had trouble in the first two games offering up 13 serving errors and nine hitting errors in just game one. However, apart from those difficulties, the team played pretty well, and the games were close. In the following three games, MIT cleaned up its play by committing only 9 service errors. They also kept the attacks in, and capitalized on weaknesses in the Harvard offense by matching double blocks against Harvard's better hitters and limiting the setter's options with tough serves. It was a well earned victory after several weeks of intense IAP training ses-

sions.

MIT nearly defeated the Crimson in 1993 when MIT made it all the way to semifinals of the Eastern Intercollegiate Volleyball Association Division III playoffs, but lost to Harvard on 3 different occasions that season by a score of 17-15 in the rally-scoring fifth game of these best of five matches. That year, MIT defeated Eastern Mennonite in the quarterfinals of EIVA and lost to Juniata in the semifinals while Harvard won the Ivies (defeating Princeton) for the first time in over ten years.

On Saturday MIT began its conference play with a tough loss Concordia College. MIT came out for the match a little flat and Concordia played an excellent match.

MIT is currently 3-4 overall. The men's team will host two conference matches against Queens College and Hunter College on Saturday.



GREG KUHNEN—THE TECH

MIT dancers Mark Sheldon and Mercedes Van Deck smile for the judges in the Harvard Invitational Ballroom Dance Competition.

MIT Men's And Women's Alpine Ski Teams Perform Well

By Jonathan Shefftz

TEAM MEMBER

The men's and women's varsity alpine ski teams recently completed their third of five regular season race weekends. MIT competes in the Eastern Collegiate Ski Conference's Osborne Division, which contains the second-most competitive

collection of NCAA teams in the Eastern U.S. Among those schools are Boston College, Plymouth State, University of Massachusetts at Amherst, Smith College, Babson College, St. Anselm's College, Brown University, Colby-Sawyer College, New England College and University of Connecticut. Since

NCAA skiing competition is non-divisional, skiing is one of the few sports in which MIT competes against Division I and II schools, in addition to its more typical Division III rivals.

Each weekend competition consists of two runs in two separate categories. On Saturdays, races are

held on slalom courses and on Sundays, they are held on giant slalom courses. The scoring for the runs is cumulative over the two day event. The times of the fastest five men and the fastest three women determine the team standings for each squad.

The team got an early start for its on-snow training back in October at Killington, but was not scheduled to run any race training courses until the beginning of IAP. An unusually warm November and December closed many race training hills, but fortunately winter kicked in just in time for some excellent IAP training in northern New Hampshire. On the second day of training camp, Nick Kulkarni '02, one of the top prospects for the team, suffered a season ending knee injury.

UMass Amherst hosted the first race at Berkshire East on January 16-17. The team was well-prepared, from the previous two weeks' training and a non-collegiate race the previous weekend at Mt. Sunapee.

Co-captain Brooke Baker '99 led the women's team with 13th place in Saturday's slalom, while Monica Taylor '01 and Marianne Okal '02 provided the other two scoring times. MIT finished eighth out of 11 teams after one day of competition. In the giant slalom on the following day, the Engineers were able to improve to seventh, finishing ahead of Babson, UConn, St. Anselm's and New England College.

The men's team had a rough time in the slalom course, with scoring times from co-captain Ryan Maupin '00, Todd Dumond '00, Brett Vasconcellos '99, and Sanjay Raman '01, and rookie Tom McBride '00. MIT finished last out of ten teams, two-tenths of a second behind St. Anselm's. The giant slalom the next day proved to be more successful with Jeremy Gerstle '99 joining the scoring crew as the team edged out UConn for ninth place.

Another week of training was followed by a noncollegiate Super-G

race at Waterville Valley, in which Vasconcellos and Dumond from the men's team both cracked the top ten while Taylor and Faye Schwartz '01 also did for the women's team.

Plymouth State hosted the next collegiate race at Waterville Valley on January 23-24. For the fourth year in a row a week of cold temperatures was followed by warm, wet weather as the fog settled in for Saturday's slalom, obscuring the trail. Baker skied to 13th again, with Taylor and Okal right next to one another in 35th and 36th, as the women's team finished in seventh place overall. Co-captain Daniel Zelazo '99 joined the scoring crew for the men, helping them to eighth place, ahead of St. Anselm's and New England College.

For Sunday's giant slaloms rain soaked both the team and the race hill. Head Coach Jonathan Shefftz and several other coaches tried to cancel the race on account of the questionable course conditions, but the first run went ahead as scheduled, although the rapidly disappearing snow caused a cancellation of the second run. Baker took 20th, followed by Taylor in 28th and then Lisabeth Willey '02, for the usual seventh place. Maupin lead the men with 27th for a ninth place team finish, ahead of UConn.

Brown and UConn hosted the next race at Loon Mountain (New Hampshire) on January 30-31. Baker led the women's team to their typical seventh-place finishes on both days, but this time with record individual finishes of 10th in the slalom and fifth in the giant slalom. Willey also scored her first points in a slalom race.

The men's team endured a challenging weekend since each school's top five finishers' time counted. Each school was also split into an A-Team and a B-Team, with only each team's top three finishers counting. MIT could not rely on the depth that had allowed it to pull ahead of other teams, and would

Skiing, Page 22



GARRY MASKALY—THE TECH

Kalpana Mani '99 puts pressure on the Harvard goalie and a defender as other players watch. MIT won Thursday's game 6-0.

Men's Ice Hockey Wins Sixth Straight

By John Rae and Jim Goodman

TEAM MEMBER

The men's varsity ice hockey team extended its winning streak to six games and improved their overall record to 9-2 with a hard fought 5-4 victory against Bates College last Wednesday night. Since returning from break, MIT has gone 5-0 with wins over fifth ranked Coast Guard Academy, ninth ranked Bates, tenth ranked Springfield and second ranked Central Connecticut State University. With this impressive winning streak MIT has earned second in the ranking in the Northeast, and an invitation to the national championship in Salt Lake City, Utah.

After a relatively slow start, the Engineers have turned up their level of play dramatically. The early portion of their schedule had MIT facing tough competition in Central Connecticut and Suffolk University. MIT held the lead in both of these games, but their inexperience

showed as they lost both games by one goal in the later moments.

The third major challenge for MIT came in a game against Coast Guard immediately after break. Coast Guard was expected to be a very good team, but MIT exploded out of the gate taking an early 4-0 lead. Even without starting goalie John Zehren '99, MIT cruised to an easy 7-4 victory. MIT followed that huge victory with another win at home against Bates just three days later. Again MIT had a quick start, jumping out to an early 3-0 lead. With a strong defensive second and third periods the Engineers easily walked away with the 5-2 victory. A third straight quick start allowed MIT to cruise past Springfield 5-1.

After their win over Springfield, MIT jumped up in the rankings to the number four position. With the national championship invitations going out Feb. 5, MIT had the two biggest games of the season ahead of them. On Jan. 29, MIT traveled

to Central Connecticut to face the Blue Eagles on their home ice. Over the past four years the Engineers have had tremendous difficulty against Central Connecticut, winning only once and losing seven times in the span. On this occasion MIT dominated the game from the first face off. John Rae '99 lead off the scoring for MIT on an excellent pass from Brett McKeone G. MIT's crash line of Russ Roder '01, J.D. McNally '01, and Marc Cappellari '01 was the key factor in the game. Their tremendous physical play and hustle led to an MIT goal and several penalties by an obviously frustrated, Central Connecticut team. Goals by Roder, Avishai Geller '01 and Greg Donaldson '00 carried MIT to a 4-2 victory. Excellent goaltending by Zehren insured that Central Connecticut never had a chance.

MIT followed up that big victory with a let down against Bates. MIT

Hockey, Page 22

UPCOMING HOME EVENTS

Tuesday, February 9

Men's Basketball vs. U.S. Coast Guard Academy, 7:00 p.m.

Wednesday, February 10

Men's Ice Hockey vs. Daniel Webster College, 7:00 p.m.

Thursday, February 11

Men's Basketball vs. Norwich University