

Happy Valentine's Day!

MIT's
Oldest and Largest
Newspaper



The Weather

Today: Snow to rain, 40°F (4°C)
Tonight: Wet and cold, 34°F (1°C)
Tomorrow: Unsettled, 41°F (5°C)
Details, Page 2

Volume 117, Number 4

Cambridge, Massachusetts 02139

Friday, February 14, 1997

Bugs, E-mail Bombs Hinder Mail Servers

By Frank Dabek
ASSOCIATE NEWS EDITOR

MIT's e-mail service is experiencing two separate problems that are interfering with the delivery of e-mail.

One problem is caused by a bug in sendmail, the program that sends e-mail on Athena workstations. The other problem, which delays e-mail delivery, results from large amounts of identical e-mail being sent maliciously to MIT's e-mail servers, a practice known as "spamming" or "mail bombing."

The sendmail bug, which only affects Sun Microsystems workstations, can occasionally delay the delivery of e-mail, said Jonathon Weiss '93, a systems programmer in Information Systems. The problem "doesn't happen extremely regularly, but enough that people have noticed."

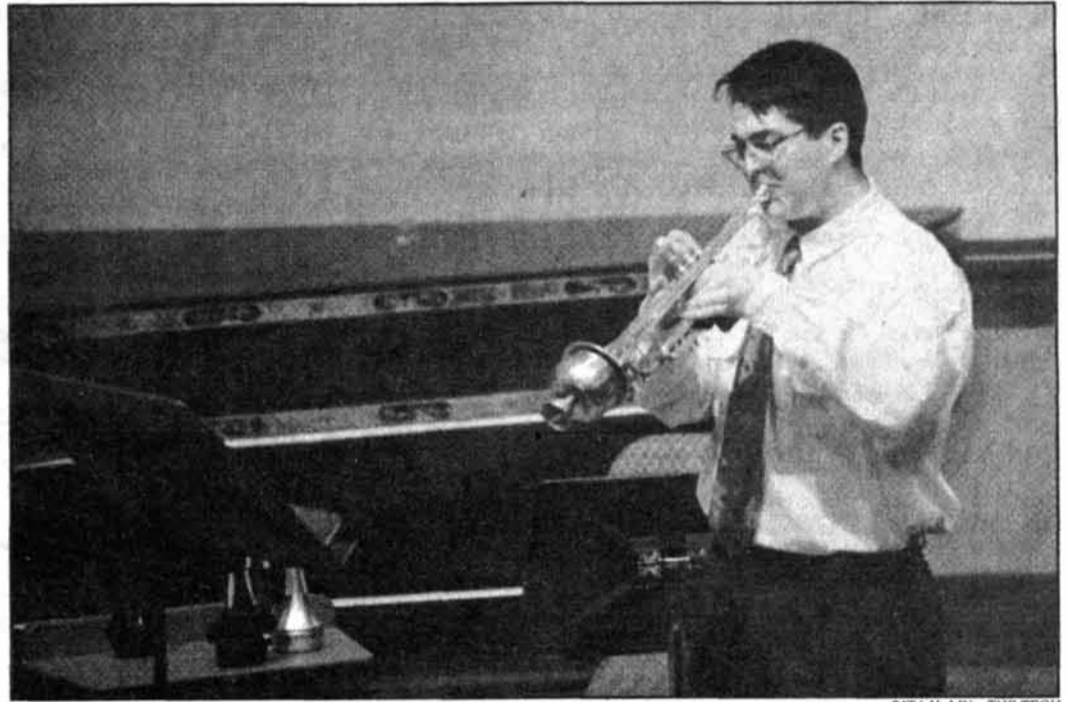
The bug is caused when the sendmail program fails to work as designed. It "locks a message and does not unlock it," preventing the message from being sent out from the workstation, Weiss said.

E-mail affected by the bug will not be sent until the workstation where the mail was written is rebooted or the problem is fixed manually. Since Athena workstations "are not rebooted on a regular schedule," the delays could be significant, Weiss said.

A "work around" should be released this term and will limit the delay to around 24 hours, Weiss said. A complete fix will hopefully be available over the summer when a new version of the Athena operating system is installed, he said.

Besides the problems experi-

E-mail, Page 17



Steven G. Tistaert '98 plays the trumpet in Killian Hall in his first recital as an Advanced Music Performance student. He is majoring in physics and music.

RITA H. LIN—THE TECH

GSC Distributes \$10K to Groups For Spring Term Student Events

By Venkatesh Satish
NEWS EDITOR

The Graduate Student Council Funding Board determined spring semester allocations and allotted \$10,460 to 29 student groups on Monday.

The amount will be used to fund a total of 80 events, ranging from cultural programs to parties, said GSC Treasurer Lawrence D. Barrett G.

Requests for money totaled more than \$30,000, which persuaded the funding committee to increase total allocations from about \$8,000 to \$10,000, Barrett said.

In prioritizing the allotments, "we look at the type of event and the number of students that are going to be attending," Barrett said.

The GSC Funding Board favors lectures, cultural activities, and student-faculty mixers over parties but will set aside money for such events provided they are geared toward graduate students, Barrett said.

The GSC received about \$22,000 from the Office of the Dean for Graduate Education, of which \$4,000, \$8,000, and \$10,000 were allocated for the summer, fall, and spring respectively, Barrett said.

Club Latino received the most funding, \$1,100, followed by the Arab Student Organization, the European Club, and the Lebanese Club.

Club Latino plans to use some of the money to help sponsor a conference that will discuss busi-

ness, technology, and education in Latin America, said Adriana T. Guzman G, the president of the group.

The rest of the money will go toward La Soborcita Latino, a spring party that promotes Latin American culture to the MIT community, Guzman said.

"I think all the activities create awareness amongst the community. [The GSC's] funding process is very good because they want to help cultural and academic clubs on campus," Guzman said.

Arab group sees funding cut

The Arab Student Organization received a total of \$800, which

Funding, Page 9

26 Burchard Scholars Named by HASS School

By Jennifer Lane
CONTRIBUTING EDITOR

The School of Humanities, Arts, and Social Sciences recently named 26 sophomores and juniors Burchard Scholars for 1997.

The awards are given in honor of John Ely Burchard, the HASS school's first dean. Honored students will have the opportunity to attend a series of dinners where an MIT faculty member will present a work in progress.

Students are chosen who have demonstrated "a commitment to the humanities and social sciences," said Philip S. Khoury, dean of the school and cofounder of the program.

This year, roughly 80 students applied to be Burchard Scholars,

Khoury said. Applicants submit an essay and a reference letter from a professor from the School of Humanities, Arts, and Social Sciences. A student's GPA is not factored into the final decision, Khoury said.

Burchard Scholars come from a wide variety of interests and majors, Khoury said. There is no bias in the awards process toward students with humanities majors, he said.

In fact, this year, there are a higher number of biology majors than usual, Khoury said.

Students welcome faculty contacts

Some of the honored students said they are glad to have the opportunity to remove themselves from their regular workload and engage in discussion on humanities and social science issues.

"I feel that college is the time to explore your interests and meet people your age who share those interests," said Ania C. Busza '99.

Busza is looking forward to the

Burchard, Page 16

Fishbowl Move Will Progress Despite Student Reaction



LONG N. PHAN

Despite complaints by students, the Fishbowl Athena cluster is scheduled to close during spring break. A new cluster will be opened at the same time in Building 12.

By Zareena Hussain
ASSOCIATE NEWS EDITOR

Although students have voiced disapproval over losing the Fishbowl Athena cluster, there are no plans to end the relocation plan that will expand the Student Services Center into the Fishbowl's space in Building 11.

"It's not at a point where we can turn back," said Hillary H. DeBaun, a team leader in the Office for Undergraduate Education and Student Life who heads the Student Services Center project. "The decision has been made."

On Monday, a group of hackers left a trail of footsteps from several fish in the Fishbowl to a collection of sushi in front of the pilot Student Services Center in Building 3 to protest the forthcoming closure of the Fishbowl.

"I thought it was very witty," DeBaun said.

Move was not 'taken lightly'

The large number of administrators involved in making space decisions is one reason that the proposed moves cannot be changed, DeBaun said. "All space decisions at MIT are driven by the top

Fishbowl, Page 15

INSIDE

- Graduate student wins Lemelson. Page 7
- Jerome Namias SM '41 dies. Page 6
- CDs reviewed. Page 11
- Comics Page 10
- On the Town Page 12

WORLD & NATION

Clinton Defends His Nominee To Head CIA

LOS ANGELES TIMES

WASHINGTON

President Clinton, reacting to growing reservations among Republicans, gave an unsolicited defense of his nominee for CIA director, Anthony Lake, and called on the Senate to move ahead with confirmation hearings.

"We've now answered all the questions that we've been asked" about Lake's qualifications, Clinton volunteered at the end of a news conference with Israeli Prime Minister Benjamin Netanyahu '76. "I think he ought to be given a hearing and a vote."

Clinton was referring to the answers to 25 questions about Lake posed by Sen. Richard Shelby, R-Ala., chairman of the Senate Select Committee, which has jurisdiction over the confirmation process for Lake.

Although several members of Clinton's cabinet have already been confirmed, the Senate has twice delayed hearings on Lake's nomination because of questions about his activities as national security advisor to Clinton during his first term.

Saudi Arabia Puts F-16 Jet Fighters Deal on Hold

LOS ANGELES TIMES

WASHINGTON

In a blow to the American aerospace industry, Saudi Arabia has informed the United States that it will not try this year to buy 102 F-16 jet fighters in a deal worth as much as \$1.5 billion, Pentagon officials said Thursday.

The Saudis are delaying any purchase out of anger at the Israeli reaction to their plans and advance publicity about them, U.S. sources said.

The sophisticated warplanes produced by Lockheed Martin were expected to be discussed later this month during a visit by the highest ranking Saudi delegation to come to Washington in a decade. But now, "No formal request will be made any time soon," said a well-placed Mideast source.

Clinton confirmed that the Saudis had not asked for the F-16s. Washington would "seriously consider" any future request but would not do anything to undermine Israel's security.

Clinton Responds to Report of China's Attempt to Funnel Funds

LOS ANGELES TIMES

WASHINGTON

As a Senate panel approved a ream of new subpoenas in the growing fund-raising scandal, President Clinton said Thursday he considered a report that the Chinese government may have sought to direct foreign contributions to the Democratic Party "a very serious matter."

The report in Wednesday's Washington Post, citing unidentified sources, said that "sensitive intelligence information," some of which was obtained through electronic eavesdropping, indicated that the Chinese Embassy in Washington was used for planning contributions to the Democratic National Committee before the 1996 presidential campaign.

"Obviously it would be a very serious matter for the United States if any country were to attempt to funnel funds to one of our political parties, for any reason whatever," Clinton said at a news conference.

On Capitol Hill, there were renewed calls for Attorney General Janet Reno to name an independent counsel to look into fund-raising improprieties. But Deputy Attorney General Jamie Gorelick said the Justice Department, which currently is conducting the criminal inquiry, has not determined that there is proper cause for such a move.

WEATHER Flaky Valentine

By Marek Zebrowski

STAFF METEOROLOGIST

A high pressure system departing our shores early on Friday will allow a series of low pressure systems to move up the coast, from Gulf of Mexico to the Gulf of Maine. Moisture associated with the first wave will reach eastern New England before cold air is replaced by a developing southerly surge in all levels. Thus, a period of snow is expected, followed by a change to rain from east to west. Moisture may linger Friday night in wake of the departing storm, especially in coastal locations. The next system will lift off the Carolina Capes by early Saturday, continuing the unsettled pattern into early Sunday, when colder air and clearing will rush in on northwesterly winds.

There are further indications of another wave (with limited moisture this time), developing along the arctic boundary and racing towards New England late on Sunday, before a more tranquil and milder weather arrives after the long weekend.

Today: Cloudy with morning snow, changing to rain by afternoon. Inland portions will have a moderate snowfall, followed by a period of freezing rain. Accumulations in town will be about 2 in. (5 cm) of snow before changeover to rain occurs. High near 40°F (4°C) in town, with onshore winds strengthening throughout the day.

Tonight: Cloudy with leftover light rain or drizzle. Some icing inland, as temperatures gravitate back towards 32°F (0°C)

Saturday: Cloudy and unsettled with more precipitation likely, rain near the coast, a wintry mix inland. High 41°F (5°C)

Saturday night: Becoming partly cloudy. Precipitation ending from west to east with a scattering of flurries or an isolated snowsquall. Turning colder with lows near 26°F (-4°C)

Sunday outlook: Fairer skies followed by rapidly advancing high clouds. Seasonable highs in mid 30s (1-3°C); lows in mid 20s (-5 to -4°C)

Negotiations Fail to Bring New Contract at American

By Frank Swoboda

THE WASHINGTON POST

WASHINGTON

The head of the pilots union at American Airlines said Thursday a strike against the nation's second-largest air carrier appeared "more probable than not" and warned that the union would not extend its contract beyond midnight even if progress were being made at the bargaining table.

President Clinton warned that a strike would be "quite disruptive," and urged the two sides to settle their dispute. But he gave no indication that he would invoke his emergency powers to stop a strike.

"I want to reiterate my call to the parties to use the mediator and... think about how they can reach out to one another in the best interest of the nation, as well as of American and its employees," Clinton said during a news conference.

The Allied Pilots Association, which represents American pilots, is set to strike at 12:01 a.m. Saturday unless agreement is reached on a new contract.

The Presidents' Day holiday weekend is the second-busiest air travel weekend of the year and the threat of a strike already has spurred thousands of passengers to seek other transportation.

American, which carries one out of every five airline passengers, has said it will shut down its entire worldwide operations, including its American Eagle commuter service, in the event of a strike. American already has announced the cancellation of 250 international flights and issued guidelines for passengers who might be holding American

tickets during a strike.

A senior Department of Transportation official estimated Thursday that a strike against American could cost the U.S. economy more than \$200 million a day and strand as many as 40,000 passengers a day in its early stages. He said, however, that when placed in the context of the overall economy, the impact of an American strike would be "a pretty small percentage."

The U.S. Postal Service said Thursday that it was arranging for alternative ways to deliver the 50 tons a day of air mail — about one-third of the nation's total — normally carried by American.

By late afternoon Thursday, the situation at the bargaining table appeared bleak. James Sovitch, president of the Allied Pilots Association, warned that his union would not extend its contract deadline, even if progress were being made. He described negotiations with American so far this week as "incredibly difficult and not very fruitful."

"Our pilots don't want to strike. Our pilots will strike," Sovitch said.

Kenneth Hipp, chairman of the National Mediation Board, which is shepherding the talks, appeared equally pessimistic in his assessment of the negotiations so far. "I would describe the pace as still going very slowly and with great difficulty."

The gloomy bargaining outlook came as the union gave the company a fleshed-out version of a proposal the airline already had rejected.

Before they even saw the pro-

posal, however, American officials were quick to reject a proposal to solve an issue that the union said was central to dispute: Who will get to fly new jets the airline plans to purchase for regional service. The APA insists that its members fly any jets operated by American. The company wants the jets to be flown by its employees of its American Eagle subsidiary, which pays pilots on average less than a third of the \$120,000 a year earned by American's main line pilots.

The union said it is prepared to negotiate a competitive wage rate for pilots of the small jets, provided the labor costs reflect concessions by the union to improve productivity.

"We can't conceive of a scenario where APA pilots could fly these planes competitively," said American spokesman Al Comeaux. He said the new jets would be operated by American Eagle or they wouldn't be operated at all.

Sovitch underscored the importance of the regional jet service issue Thursday, calling it "an issue of outsourcing." If American Eagle is allowed to fly the jets, Sovitch said, it is only a matter of time before American begins replacing the main carrier with the commuter service on many routes.

The new, smaller jets that American wants to buy carry 50 passengers, can land and take off at small airports and can fly more than 2,000 miles. The APA sees the arrival of the so-called regional jets as a major turning point for the U.S. airline industry, almost as significant as the shift from propeller planes to jets in the 1950s.

Opposition Coalition in Serbia Seeks to Maintain Momentum

By Lee Hockstader

THE WASHINGTON POST

BELGRADE, YUGOSLAVIA

Nikola Jurisic is a protester in search of a cause. He's not particular: Whatever the grievance against the Serbian government, it's a good bet Jurisic will show up and shout.

"We've got to continue these protests," said the 25-year-old history student, a regular at the demonstrations that have drawn huge crowds into the streets every day for nearly three months, shaking the government of Serbian President Slobodan Milosevic. "There's too much energy here for it to go to waste."

Yet the opposition coalition Together, which has mobilized Jurisic and tens of thousands of other protesters for 86 straight days, now faces a quandary born of its own success. Having forced Milosevic to accede to its main demand — restoring opposition victories in local elections that were annulled by the government in November — the Together coalition must now figure out a way to maintain pressure on the regime in the absence of another easily unifying goal.

"They got what they wished for, but if they lose the momentum they're not sure they can regain it later," said Predrag Simic, director of the Institute of International Politics and Economics in Belgrade. "But now they lack a clear and coherent goal (to justify) staying in the streets."

So far, the opposition says it will keep up the daily protests at least until all its winning candidates are notified officially that their seats on city councils are assured. On Tuesday the Serbian parliament, ful-

filling a pledge by Milosevic, reinstated the opposition victories in Belgrade and 13 other cities. Official notification of the winning candidates could take another few days.

After that, says the opposition, the protests may be suspended — at least for a few days and following an enormous victory celebration in Belgrade's main square. But leaders of the Together coalition, having flexed their muscles successfully on the streets once, are threatening openly to do it again, and soon.

Indeed, the protests against the government have taken on a life of their own, and some opposition members concede they may not be able to halt them entirely even if they want to.

"There are strikes by teachers and taxi drivers that are not originated by the (opposition) coalition," said Slobodan Vuksanovic, an opposition lawmaker. "This whole year will be full of demonstrations. ... People understand they can achieve something only through pressure on the streets."

The government maintains that the protests have cost Yugoslavia — of which Serbia is the main remaining chunk — \$500 million in delayed contracts with foreign companies and other lost business opportunities since November. Foreign diplomats in Belgrade acknowledge that the damage done by the crisis to the country's economy — already a shambles after more than five years of war and international sanctions — has been devastating. The diplomats also point out that the crisis might have been avoided entirely had Milosevic recognized the opposition victories in the first place.

"There's not a single reason for (the protests) to continue," said Serbian parliamentary speaker Dragan Tomic, a hard-line ally of Milosevic. "They are not only a matter of disturbing citizens but a kind of violence. These shouts and cries must frighten any peaceful citizens."

Together coalition members say there will be no shortage of grievances to draw people onto the streets in the future. They promise to press for free media, for more equitable distribution of federal funds for the local governments now controlled by the opposition, and for a fair drawing of voting districts in this fall's Serbian parliamentary and presidential elections.

But none of those issues has the immediate, crowd-pleasing appeal of restoring stolen city council seats, opposition leaders acknowledge. In the end, they concede, people will take to the streets simply because of declining living standards in a country that, until Milosevic helped launch a disastrous war, considered itself extremely prosperous by the standards of Eastern Europe.

Vuksanovic, the opposition lawmaker, acknowledged that the protests already have become more broadly anti-government than pro-opposition. But that, he suggested, was not a problem for the opposition but rather an opportunity:

"Put all these problems together, and President Milosevic will be on the top of the list as a symbol of poverty, a symbol of four years of war, a symbol of a diminished position in the world, of economic sanctions, of unemployment, of the black market — a symbol of all our problems."

Committee Votes to Subpoena Democratic Fundraising Papers

By Helen Dewar
THE WASHINGTON POST

WASHINGTON

The Senate Governmental Affairs Committee voted Thursday to issue its first 52 subpoenas for documents focusing on alleged Democratic fund-raising abuses, even as it remained deadlocked along party lines over funding for its investigation.

After an hour of angry arguments, the Republican-controlled panel unanimously approved 41 subpoenas and split along party lines, 9 to 7, in favor of issuing nine others about which Democrats had raised questions. These nine will be issued next week regardless of whether agreement has been reached in the meantime.

The target list included many of the business and lobbying figures who have been named in published reports about foreign-related contributions to the Democratic National Committee and White House events that gave big donors access to President Clinton.

While no subpoenas were issued for White House documents, some of the approved subpoenas sought information on meetings with Clinton and other top officials and attendance at White House functions, according to Senate aides.

Still in the negotiation stage are subpoenas for the DNC, the Republican National Committee and the presidential campaign organizations of Clinton and his 1996 GOP rival, Robert J. Dole, aides said.

Approval of the subpoenas followed the latest in a series of acrimonious exchanges that have rocked the normally collegial panel since it began preparations for the probe. It was kicked off by a complaint from Sen. John Glenn (Ohio), the committee's ranking Democrat, that the subpoenas were aimed almost entirely at the Democratic Party despite Republicans' claims the investigation would focus on both parties.

Fifty of the 52 subpoenas were aimed at Democrats and two at Republicans, Glenn protested.

"After all the talk about bipartisanship, that's really hardball... (and) hard to accept," he said. "This has been anything but a bipartisan approach so far."

Clearly angry, Committee Chairman Fred D. Thompson, R-Tenn., responded that he has "gone past what the rules require" in an attempt to cooperate with Democrats and added, "At every step of the way, I've been met with resistance."

Pleading for the kind of procedural compromise that eventually enabled the committee to emerge with a semblance of unity, Sen. Joseph I. Lieberman, D-Conn., observed almost sadly, "It's going to be hard to get out of the mud-wrestling pit that this can descend into."

Meanwhile, Rep. Dan Burton, R-Ind., chairman of the House Government Reform and Oversight Committee, which is also investigating fund-raising abuses, said he will issue subpoenas to three former Clinton administration officials.

Officials Says FBI Lab Problems Compromised 50 Criminal Cases

By Roberto Suro and Pierre Thomas
THE WASHINGTON POST

WASHINGTON

The Justice Department has identified at least 50 criminal cases where evidentiary problems created by questionable forensic analysis at the FBI laboratory may have resulted in improper prosecutions, Deputy Attorney General Jamie S. Gorelick said Thursday, acknowledging that the number of problem cases could go higher.

Gorelick's announcement casts new doubt on the competence and credibility of the once-renowned FBI forensic facility. Just last week, FBI executives said no criminal cases had been compromised by the lab's problems.

Justice Department lawyers are now reviewing hundreds of criminal prosecutions identified in a still-sealed inspector general's report on the lab to determine whether there is evidence from the FBI facility that should have been given to defense lawyers. Gorelick said Thursday that Justice Department lawyers had asked state and federal prosecutors in the 50 cases identified so far to determine whether the findings about the lab's problems should be made available to defense

attorneys.

Separately, the judge presiding in the March 31 trial of Timothy James McVeigh, accused of blowing up the Oklahoma City federal building, ordered the Justice Department Thursday to give defense attorneys a copy of the inspector general's draft report on the lab, a move the lawyers say could help them defend their client.

Gorelick's announcement was the first time the Justice Department has identified a specific number of prosecutions that could be jeopardized by the problems in the FBI laboratory.

The FBI learned of serious inadequacies in the lab nearly a decade before the Justice Department inquiry documented failings there, but the bureau took action to remedy those deficiencies only when it was threatened with public exposure, according to FBI and congressional documents.

The FBI has long promoted its laboratory to Congress and the public as a paragon of professionalism and incorruptibility, but the documents, obtained by *The Washington Post*, show that outside experts have questioned its most basic practices since at least 1980.

By 1988, FBI officials were concerned enough about conditions in the laboratory that they commissioned a study that concluded that the facility needed to be relocated because its inadequacies could not be fixed by renovation, according to FBI budget documents.

Critics and some defense attorneys claim the lab investigation has so damaged the bureau's reputation that it threatens to erode the FBI's crime-fighting abilities.

"The FBI laboratory has always enjoyed such a fine reputation that prosecutors could present its reports confident that they had absolute credibility with juries," said Julie B. Aimen, co-chair of the committee on forensic science at the National Association of Criminal Defense Lawyers. "Now it is no longer above reproach, and everything they have done over the past few years is going to be questioned when it is brought into a courtroom."

Sen. Charles E. Grassley, R-Iowa, chairman of the Judiciary subcommittee that oversees the FBI, defined the stakes this way: "The bottom line is that we must reestablish the confidence of the American public in federal law enforcement. The public trust in the FBI has been shaken."

Stocks Continue Dramatic Increase As Dow Jones Average Cracks 7000

By Jill Dutt
THE WASHINGTON POST

NEW YORK

The Dow Jones industrial average shattered the 7000 mark Thursday and Ralph J. Acampora could not contain himself.

"It's gonna hit 8250 by year-end," gushed the chief technical analyst for Prudential Securities Inc. "And that's subject to upward revision."

Acampora is one of Wall Street's fiercest raging bulls. A lot of people are listening to him and others like him now, as they pour billions upon billions of dollars into the U.S. stock market each month. As that money funnels in, the rise in stock prices becomes a self-fulfilling prophecy, a simple balance between supply and demand.

Demand for stocks is high. Supply isn't keeping up, especially with the dozens of corporate stock-buyback plans and mergers, so prices rise.

There are fundamental reasons

why stocks are an attractive investment now, apart from the new cash inflows. Inflation is low, interest rates are stable, the economy continues expanding and corporate earnings are strong, all of which are positive for stocks. And for the past three years, most alternative investments have not been able to provide even half the return of U.S. stock investments.

Investors don't see those fertile conditions changing anytime soon, so they're sending the market even higher. The Dow rose 60.81 points Thursday to close at 7022.44, an 8.9 percent return since the start of the year. The Standard & Poor's 500 index also hit a new high, rising 9.05 to 811.82.

Bond prices supported the stock market's rise, as the price of the bellwether 30-year Treasury bond jumped more than a point, which reduced its yield to 6.62 percent from 6.70 percent on Wednesday.

It was only four months ago when the Dow crossed the 6000 mark, which it did much more ner-

vously, taking a week to flirt with the threshold before closing a session above it. Analysts at that time were cautious about whether fourth-quarter corporate earnings would hold up. This week, flush with stronger-than-expected earnings reports and beating back an earlier drop in technology shares, the Dow just marched up 166.64 points and through 7000 with little hesitation.

"It's been an emotional market to say the least," said Joseph N. Cangemi, a New York Stock Exchange floor trader. "I wouldn't be surprised if the momentum carried us through 8000 or maybe 9000. By the year 2000 I might see 10,000 as a reasonable level for the Dow."

Acampora predicted back in June 1995 — when the Dow was at 4500 and many feared a crash — that the popular stock-market barometer would cross 7000 before 1998. He said he is barnstorming America, telling investors, "Don't get off this bandwagon. The ride isn't over."

Hubble Repair Major Challenge For Shuttle Astronauts

LOS ANGELES TIMES

As sleepless astronomers held their breath, two astronauts prepared late Thursday to start an exacting orbital house call on the \$2 billion Hubble Space Telescope, culminating two years of painstaking rehearsals for one of the most demanding tasks in NASA's manned space program.

In a six-hour spacewalk scheduled to end early Friday, the astronauts planned to replace two out-dated instruments in the bus-sized orbital telescope with more sophisticated sensors designed to dramatically improve its color vision and expand its ability to perceive infrared light.

The new equipment will allow astronomers to stare with clearer, more discerning eyes at a universe of wonders, from the dense dust clouds in which stars and planets are born, to the voracious black holes devouring the hearts of many galaxies. "We're salivating," said one University of Michigan stargazer.

Later Friday, astronauts again will don their bulky white space suits, start deep-breathing their special oxygen mix and squeeze through Discovery's airlock into the cargo bay for another six-hour, slow-motion ballet with the towering, 43-foot-high telescope, as the Earth speeds by below at 17,500 miles per hour.

Astronauts Gregory B. Birely and Joseph P. Allen plan to replace a failing guidance sensor with an \$8 million device designed to ensure the telescope can stay aimed properly.

Letter Released Reportedly Written By North Korean Defector

LOS ANGELES TIMES

BEIJING

The note, purportedly written by the highest-ranking official ever to defect from North Korea, said: "Starting with my family, people will judge that I am mad. But the question is: Am I the only mad person?"

This message, South Korean officials said Thursday, was written by Hwang Jang Yop, 72, the North Korean Communist Party elder whom they claim to be protecting inside the heavily guarded South Korean consulate here. They also asserted that North Korean agents tried to break into the consulate building late Wednesday night but were repulsed by Chinese security police.

China on Thursday appealed for calm, as officials wrestled with the question of what to do about Hwang, a secretary of the ruling Worker's Party of Korea and the architect of its fanatically nationalist "juche" philosophy of "self-reliance." He reportedly walked into the South Korea consulate on Wednesday, demanding political asylum.

In a brief statement, Foreign Ministry spokesman Tang Guoqiang gingerly avoided taking sides. "We had not been informed in advance of Hwang Jang Yop's transit through Beijing," Tang said, refusing to answer additional questions from reporters. "What has been reported is still being subjected to investigation and verification."

The incident put Beijing in the awkward position of having to choose between its longtime Communist ally in North Korea, where peasants are reported near starvation, and South Korea, which in 1996 recorded \$20 billion in bilateral trade with China.

CBO Director Counters President On Surplus in 2002

THE WASHINGTON POST

WASHINGTON

Congressional Budget Office Director June E. O'Neill testified Thursday that President Clinton's budget plan is out of balance and would produce a deficit of at least \$50 billion by 2002 — the same year the president has projected a \$17 billion surplus.

O'Neill, appearing before the House Budget Committee, also said she was skeptical about a proposed "trigger" mechanism in Clinton's budget that would cancel tax cuts and impose across-the-board spending cuts in the event the deficit reduction plan falls short.

O'Neill's testimony confirmed what has been clear for weeks — that a big gap exists between White House and Republican estimates of the spending cuts that are needed to balance the budget by the target year, 2002. Republicans contend Congress will need nearly twice as much in savings as the president has recommended to balance the budget and provide a tax cut.

Using the more conservative CBO forecasts, House and Senate GOP budget leaders have pegged those savings at nearly \$500 billion between 1997 and 2002. The White House contends that \$252 billion of net savings will be needed.

"This is not like some Republican saying, 'Look, the Democrats are wrong,'" House Budget Committee Chairman John R. Kasich, R-Ohio, said of the report by the nonpartisan CBO.

Slaying of Soldier in N. Ireland Revives Fears of Flare-Up

LOS ANGELES TIMES

LONDON

Firing a high-powered rifle from ambush through a night scope, the terrorist sniper killed British infantryman Stephen Restorick, with a single shot to the back that pierced his flak jacket as he manned a checkpoint in Bessbrook, about 30 miles southwest of Belfast.

By Thursday, an embittered and outraged Northern Ireland seemed headed again toward sectarian combat.

Bessbrook, a mostly Protestant village in the strongly pro-Republican south, is British army headquarters in the most contentious rural part of Northern Ireland. It is home to the busiest helicopter landing port in Europe because snipers and land mines make it too dangerous to resupply police and military outposts by road.

The Irish Republican Army did not immediately claim responsibility for the killing, but the attack in an area of south Armagh where the IRA once put up a sign saying "Caution, Sniper at Work," bore the extremists' trademark.

With tensions high Thursday, police defused a homemade anti-personnel bomb left in a public housing project in the region where the soldier was shot.

OPINION



Chairman
Daniel C. Stevenson '97

Editor in Chief
David D. Hsu '98

Business Manager
Angela Y. Liao '98

Managing Editor
Josh Bittker '99

Executive Editor
Thomas R. Karlo '97

NEWS STAFF

Editors: Venkatesh Satish '98, Dan McGuire '99; **Associate Editors:** Brett Altschul '99, Jean K. Lee '99, May K. Tse '99, Frank Dabek '00, Douglas E. Heimburger '00, Zareena Hussain '00; **Staff:** Eva Moy G, Kyle Young G, James M. Wahl '97, Christopher L. Falling '98, Noëmi Giszpenc '98, Orli G. Bahcall '99, Shawdee Eshghi '99, Carina Fung '99, Fenny Lin '99, Eric Sit '99, Liz Krams '00, Dudley W. Lamming '00; **Meteorologists:** Michael C. Morgan PhD '95, Gerard Roe G, Marek Zebrowski.

PRODUCTION STAFF

Editors: Saul Blumenthal '98, Russell S. Light '98, Jason C. Yang '99; **Staff:** Jimmy Wong '97, Betty Chang '98, Larry Chao '98, Sharon Shen '99, Binh Truong '99, Stephanie Yang '99, Brent Yen '99, Erica Pfister '00, Brian T. Sniffen '00, Billie Wang '00.

OPINION STAFF

Editor: Stacey E. Blau '98; **Staff:** Anders Hove G, A. Arif Husain '97, David S. Kelman '99.

SPORTS STAFF

Editor: Erik S. Balsley G; **Staff:** Hana Ohkawa G, Martin Duke '97, Chris Lin '97, Jason Weintraub '97, Chris Brocoum '00.

ARTS STAFF

Editor: David V. Rodriguez '97; **Staff:** Thomas Chen G, Jonathan Litt G, Teresa Esser '95, Brian Hoffman '97, Kamal Swamidoss '97, Rob Wagner '97, Hur Koser '98, Yaron Koren '99, Daniel Ramirez '99, Joel M. Rosenberg '99, Stephen Brophy.

PHOTOGRAPHY STAFF

Editors: Gábor Csányi G, Indranath Neogy '98; **Staff:** Rich Fletcher G, Alkan Kabakioglu G, Jonathan Li G, Gabriele Migliorini G, Arifur Rahman G, Jiri Schindler G, Helen Lin '97, Tiffany Lin '97, Adriane Chapman '98, Ahmed Ait-Ghezala '99, David Tarin '99, Ian Chan '00, Gregory F. Kuhnen '00, Rita H. Lin '00.

FEATURES STAFF

Hugo M. Ayala G, Pawan Sinha G, Jessica Wu '99.

BUSINESS STAFF

Advertising Manager: Cristián A. González '99; **Operations Manager:** Pamela Shade '98; **Staff:** Jessica Maia '98, Terri A. Wilson '99, Joey Dieckhans '00, Jennifer Koo '00.

TECHNOLOGY STAFF

Director: Timothy K. Layman '97; **Associate Director:** Christina Chu '98; **Staff:** Ifung Lu '97, Laurie M. Leong '00.

EDITORS AT LARGE

Contributing Editors: Shang-Lin Chuang '98, Jennifer Lane '98; **Senior Editor:** Rami A. Arnaout '97.

ADVISORY BOARD

V. Michael Bove '83, Robert E. Malchman '85, Thomas T. Huang '86, Reuven M. Lerner '92, Josh Hartmann '93, Jeremy Hylton '94, Garlen C. Leung '95, Scott C. Deskin '96.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors: Saul Blumenthal '98, Russell S. Light '98, Jason C. Yang '99; **Staff:** Erik S. Balsley G, Stacey E. Blau '98, Josh Bittker '99.

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 \$35.00 per year. Third Class by The Tech, Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139-7029. Third Class postage paid at Boston, Mass. Non-profit Organization Permit No. 59720. **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 © 1997 *The Tech*. Printed on recycled paper by Mass Web Printing Co.

UA Desperately Needs Revitalization

The past few years have been a painful demonstration of the Undergraduate Association's uselessness. The UA is far from being an effective student government, and as a result student interest in it has waned over in recent years. This past term, the UA saw a few good accomplishments but unfortunately a lot of the same sluggishness. UA President Richard Y. Lee '97 campaigned for his office last spring on the promise of improving student life. As the new semester begins and Lee enters the second half of his presidency, we urge him to steer the UA toward initiatives that are not only useful for students but also reasonable, keeping in mind the UA's various levels of energy and experience.

The UA's best accomplishments this past term were the revival of the *Course Evaluation Guide* and the Logan Airport shuttle for students during finals week. Both are direct and useful services for students. The new policy allowing outside accounts, which the UA also helped push through, was a boon to student activities who want better control of their money. But several other initiatives the UA took on last term were less than useful. The resolution the UA passed urging MIT to withhold data from *U.S. News & World Report* had no effect on anything. The UA sponsored a forum for students on the new writing requirement proposal, but only a few students attended. In his state-of-the-UA address Monday night, Lee touted the cleanliness of the UA office as one of his accomplishments. It is a very sad state of affairs when the UA president is reduced to bragging about such things.

If Lee is to fulfill his promise to improve the lives of students, he should focus on some of the things that affect them. Issues like dining and housing are gaining attention now

because changes are going to be made, and they are matters that directly affect students. The UA has made no effort to get students involved in these issues. Last year, Lee made the unrealistic and irresponsible promise to quadruple student activities funding. Now that he has realized that the goal is impossible, he should at least try to achieve some permanent gains for activities; the one-time \$40,000 gift from the provost he helped get does not qualify as such an improvement. The UA should leave organizing big social events like its Spring Weekend plans and Student Center parties to the Programming Board, which exists for exactly such events. And it should also leave behind untenable ideas like a "UA office" — a place with a scanner and fax machine for students to use with little or no cost — because the cost and space requirements will prove unreasonable.

The UA has languished and driven away people over the years with its boring council meetings and even duller agendas. It has little respect among students and doubtless even less among administrators, to whom it must be able to represent student interests. Indeed, it is hardly surprising when the Dean's Office forms a separate student advisory committee, whose putative function — facilitating student input — is supposed to be one of the UA's main jobs. Election season for the UA is just around the corner, and unquestionably we will be subject to the same generic promises of better communication and better representation of students' interests — that is, the handful of us in the UA or student publications who follow what goes on. Little new will be said, and voter turnout will probably be at the same low level it always is. Unless the UA starts to shape itself up with initiatives that are useful and visible to students, it can expect much the same for years to come.

Editorial

Letters To The Editor

Students Should Stop Whining about Fishbowl

I am sick of all this whining about the Fishbowl Athena cluster.

The administration has gone and done something that I never imagined would have happened — it decided to relocate an important student service from the depths and mazes of Building E19 to a freely accessible location. Yet all I read in *The Tech* is that students are going to be inconvenienced because we can't drop by Athena to check e-mail.

Athena is not a convenience, and it is not possible to "drop by" any prominently-placed cluster during school hours. I wish that that were not the case. Several times last week, I needed to check recitation times or download assignments and as always found it frustratingly impossible. The Fishbowl, of all clusters, does nothing to help alleviate this problem.

Yes, the Fishbowl has a certain sentimental value. However, perhaps pre-frosh would be more impressed by an attractive, functional, livable campus than by tired, geek-university stereotypes. Pave the way for Quickstations, and pave the way for the new Student Services Center.

Michael J. Shurpik '97

Health and Service Center Deserve Corridor Space

To the ongoing debate on the Infinite Corridor as a high-visibility address, I would like to add my perspective as a support staff person and former MIT parent. Aileen Tang '99 ["Fishbowl Move Shows No Concern for Students," Feb. 7] and Andy Oakland ["Fishbowl and Student Services Center Should Both Reside in Infinite Corridor," Feb. 11] both make arguments for retaining the Fishbowl, and I share their views. The Fishbowl — as a "glimpse into MIT life" as well as a convenience for students — should

be preserved.

The Student Services Center is obviously much needed and well used. But it bumped the Public Service Center to a low-rent zone in the Student Center and removed the satellite Health Education desk housed in the Public Service Center. Loss of these complementary services — one for students to give help, one for them to get help — concerns me. Why can't the Student Services Center include some Athena terminals with the Fishbowl window in place and information kiosks for both Public Service and Health Education?

The MIT culture of excellence is one that tends to turn inward and may in some way promote the pandemic complaining that MingHui Kuang '97 complains about

["Students Are Taking the Fishbowl Too Seriously," Feb. 11]. The Public Service Center turns outward to the larger community. It should be spotlighted. Health Education urges all of us terrific people at MIT — faculty, students, and staff — to pursue wellness in our lives, to recognize illness, and, when necessary, to seek help.

I would appreciate hearing comments from students and others on this idea of re-establishing some Public Service and Health Education presence in or near the Fishbowl. Infinite Corridor space is obviously at a premium, but we all make space and time for what we consider important.

Eve Sullivan
Senior Editorial Assistant
Laboratory for Nuclear Science



Opinion Policy

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

Dissents, marked as such and printed in a distinctive format, 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. They must be typed, double-spaced and addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or by interdepartmental mail to Room W20-483. Electronic submissions in plain text format are encouraged, and may be mailed to letters@the-tech.mit.edu. 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. We regret we cannot publish all of the letters we receive.

To Reach Us

The Tech's telephone number is (617) 253-1541. Electronic mail is the easiest way to reach any member of our staff. Mail to specific departments may be sent to the following addresses: ads@the-tech.mit.edu, news@the-tech.mit.edu, sports@the-tech.mit.edu, arts@the-tech.mit.edu, photo@the-tech.mit.edu, circ@the-tech.mit.edu (circulation department). For other matters, 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>.

Evening Classes Are Not Fair for Graduate Students

Column by Erik S. Balsley
SPORTS EDITOR

As any student knows, time is a severe limiting factor in determining what you can do on any day. If you are a member of a varsity sports team, performing arts group, or other student activity, these pressures are increased, since extra time must be scheduled to participate in them. In recognition of this fact, faculty rules prohibit classes during certain times. Unfortunately, graduate classes are not included under the rule, forcing unfair and uncomfortable decisions them.

Article 2.11.1 of the Rules and Regulations of the Faculty states: "It is the intent of the faculty that for undergraduate subjects there shall be no required academic exercises between 5 p.m. and 7 p.m. Monday through Friday and between 1 p.m. Saturday and 8 a.m. Monday."

It is my understanding that this rule was originally developed to allow undergraduates a time to practice a sport, instrument, or to just grab dinner. It also serves to let students know there is a time each day where they can be free of class pressures.

However, this statement has a large loophole: Where are graduate students mentioned? To me, this is a tremendous oversight.

As the number of five-year programs increases, so too are the number of fifth-year students who are classified as graduate students during their fifth year. Because of their four previous undergraduate years, these students still maintain strong ties to their undergraduate living groups and activities.

If such an activity is a varsity sport — most of which practice during or in part of the 5 to 7 p.m. open window — conflict may arise. Fifth-year students, despite their affiliation with varsity sports, are classified as graduate students. Any graduate subjects that they be taking could potentially be scheduled during the 5 to 7 p.m. slot.

Here's where the problem begins. I personally am a member of the varsity lightweight crew team and happen to be enrolled in a five-year program. Last semester, I had two classes that began in the Institute's 5 to 7 no-fly zone. The previous semester I had to attend a colloquium series during, of all times, 5 to 7 p.m. I needed to take all three classes

for my graduate degree.

It was an extremely difficult decision to make each week. Should I attend class or practice? While class appears to be much more important than practice, making the

The faculty can take a step in the right direction by banning all academic classes scheduled between 5 and 7 p.m.

decision painfully clear, the subtleties of the situation cloud up things.

For one thing, participation in a sport not only exercises the body physically — at MIT it takes on another mental aspect. Participation helps to release some of the

stress of the day and gives students a focus for each day. Practice for students takes on added meaning.

Now add in the teamwork aspect. When you participate on a team, it's not just you involved. There is a commitment to the others on the team. By not attending practice you let the others down. In addition, the team can not improve as a whole.

What I just described for a sport can be true for any other activity a student may be involved in. That is why the 5 to 7 p.m. activity window is so important. In my case, that window was closed with my fingertips on the sill.

Fifth-year students are not the only students the oversight may hurt. Regular graduate students may be dissuaded from participating in activities if their classes are scheduled in this timeframe. In fact, most Graduate Student Council meetings occur at 5:30 p.m.

As the number of five-year programs grows, I believe the number of people with situations similar to mine will increase. Although graduate and undergraduate life are

different, they are not that much different in regard to activities. As graduate students become more involved with campus activities, they may run into problems with classes in the no-fly zone. Although most departments abide by this rule for all classes, some do not. For graduate students who run into conflicts with scheduled classes, there is no protection provided. They, like me, must choose between two important parts of their MIT experience.

In an ideal situation, all activities sponsored by the Institute would be prevented from taking place between 5 and 7 p.m. In the meantime, the faculty can take a step in the right direction by banning all academic classes scheduled during that time, regardless of whether the classes are undergraduate or graduate.

Erik S. Balsley is a graduate student in the Department of Urban Studies and Planning, a member of the varsity lightweight crew team, and the former vice president of the Undergraduate Association. He is also The Tech's illustrious spo ed.

Come for a tour behind the scenes at MIT's Oldest and Largest newspaper. Join *The Tech's* Production Department! Just stop by our office any Sunday (free pizza!), Monday, Wednesday, or Thursday evening or call and ask for Josh.

The Tech ▼ Student Center, Room 483 ▼ 253-1541

P R O D U C T I O N

U N D E R G R A D U A T E A S S O C I A T I O N

R U N

Run for an office in the UA!!

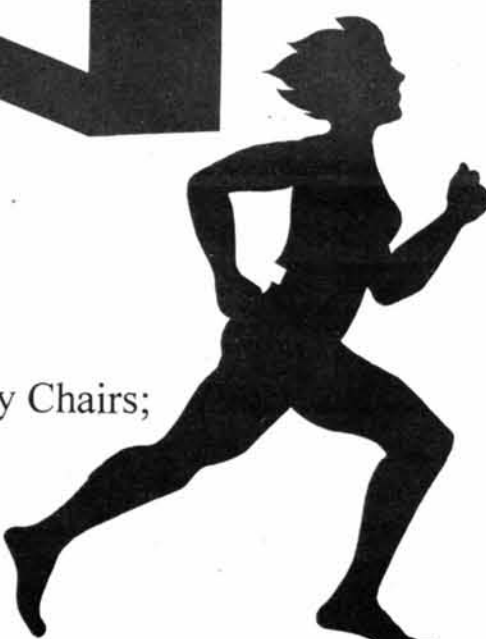
Offices up for election: UA President and UA VP as a team,
Class offices: President, VP, Treasurer, 2 Social Chairs, 2 Publicity Chairs;
and 2 members of the UA Finance Board.

Packets available from the UA Office: W20-401
DEADLINE: February 26th
Questions? Email: ua-elect@mit.edu

INFLUENCE POWER LEADERSHIP

The UA Nominations Committee will be interviewing applicants for various *Faculty, Presidential, and Corporation* committees such as the *Committee on Academic Performance*.

Interviews will be conducted on February 22nd and 23rd, and then again on March 1st. If you are interested in applying pick up a packet detailing the committees in W20-401. Questions? nomcomm@mit.edu



T H R E E D A Y S O N L Y

Beginning February 18,

your eyes **won't believe**

your ears.

Hear **the difference advanced**
technology **makes.**

February 18-20.

Presentations 8-8 daily.

MIT Campus

between the Student Center and Bexley Hall.



Please join us as the Bose® Mobile Music Theater visits the MIT campus. On the outside it's an 18-wheeler, but step inside and it's a world of music. Grab a seat, relax, and listen. You'll hear the product named "Best Of What's New" by *Popular Science*. And you'll hear the difference advanced technology makes.

BOSE®
Better sound through research®

Course II Grad Student Wins Third Annual Lemelson Prize

By Brett Altschul
ASSOCIATE NEWS EDITOR

On Tuesday, Nathan R. Kane G was announced as the winner of the \$30,000 Lemelson-MIT Student Prize for inventiveness, now in its third year.

The prize is awarded each year to an MIT senior or graduate student who develops novel new inventions or innovations. The prize was established by Jerome H. Lemelson, an inventor who currently holds over 500 patents.

Kane, a mechanical engineering student, plans to use some of the prize money to apply for patents on his inventions and to build prototypes of some of his ideas. The rest should provide him with a little financial security, he said.

Kane's inventions include a new form of superior lightweight bellows and a hydrostatic bearing for

use in machine tools. Both should have important applications, he said.

"There are a lot of niche applications" for the bellows, Kane said. "I'm already working on licensing them to a company."

They should prove useful in machine tools, about 70 percent of which currently use traditional bellows to protect sensitive components, Kane said. The new design is more compact, because of its novel fold pattern.

The new bellows are also more durable, because the fold lines remain stationary, Kane said. This means that they can be built entirely out of a rigid, foldable substance, while traditional bellows must be constructed of cloth.

The bellows also have many other applications, Kane said. "For example, they could be used in hand

pumps, for inflating balls," he said.

"I'm also working on two more applications with companies, but I can't talk about them, because they're just preliminary," he said. "I can say that one of them you would buy in a hardware store and one of them you would buy in a supermarket. These could be significant consumer products."

Other products are also useful

The hydrostatic bearing, which Kane co-invented along with his adviser, Associate Professor of Mechanical Engineering Alexander H. Slocum '82, also represents an important advance.

Off-the-shelf bearings currently available consist of traditional metal balls, Kane said. This causes wear on the components that does not occur when the new hydrostatic bearings are used.

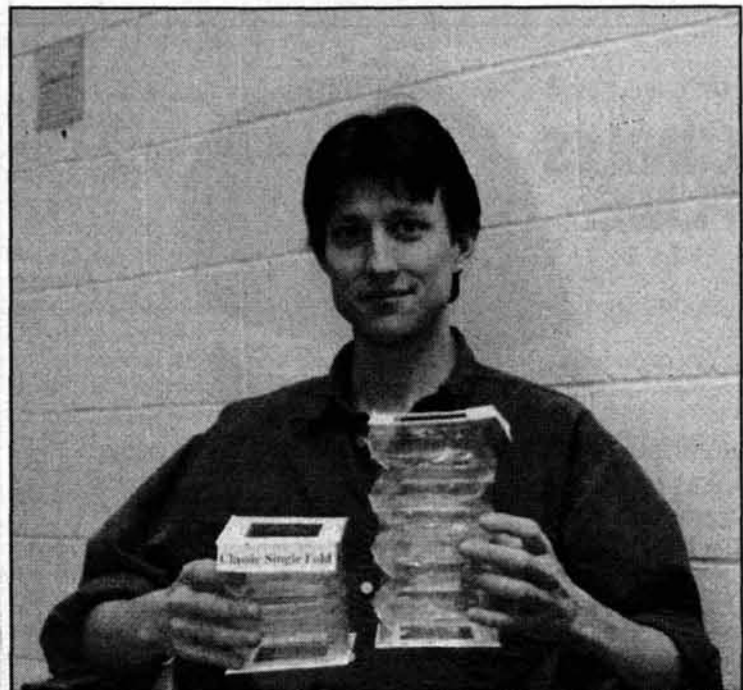
"I'm looking into licensing the bearing idea as well," Kane said. Companies using machine tools that move on tracks have already expressed interest in them, he said.

Kane intends to continue working on improving the hydrostatic bearing. "It's also my thesis," he said, "so I have another year to work on it."

Not all of Kane's inventions have important applications to industry. Among his less serious inventions is a television remote control embedded in a foam-rubber football, that he invented with last year's prize winner, David H. Levy G. "It was just something we came up with in my free time," he said.

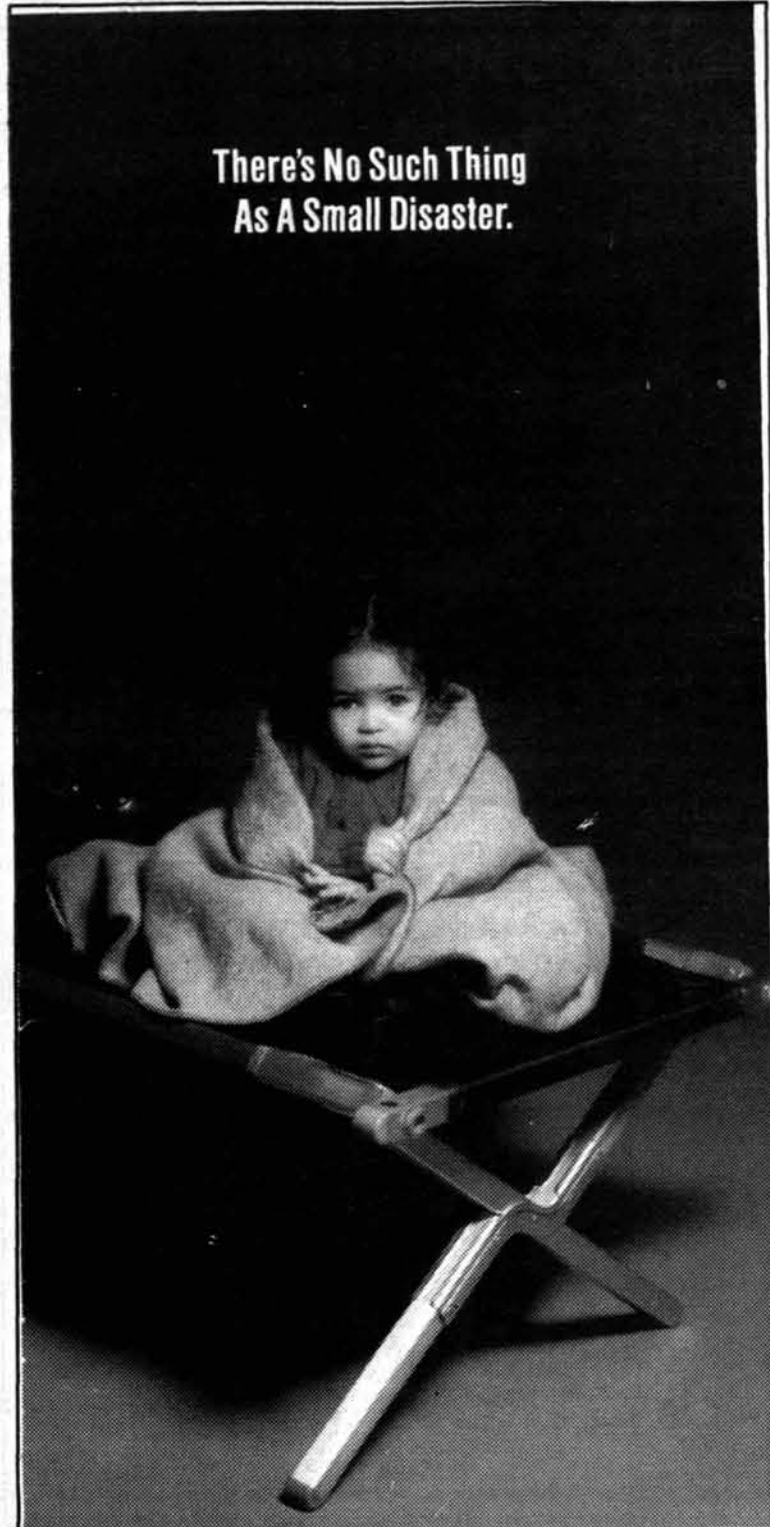
"I've done some market research, walking around malls, asking people what they think," Kane said. "Some people hate it; some people love it."

"Among football fans, people thought it was a great idea," Kane said. "It's something cute to have at a Superbowl party. You can pass it around easily, and it's difficult to lose."



Nathan R. Kane G, winner of this year's Lemelson-MIT Student Prize, with one of his inventions, Kane-type bellows (on the right). Kane's bellows are more compact and durable than standard bellows (on the left).

LONG N PHAN



There's No Such Thing As A Small Disaster.

We all hear about the big disasters. But disasters happen every day. Which means every day, people like you need food, clothing and a place to rest. Please support the American Red Cross. Call 1-800-842-2200. Because disaster never rests.

This space donated by The Tech

Q U A L C O M M

the new school of thought
in wireless communications



INFORMATION SESSION: Tuesday, February 18th, 6:00 pm in Room 2-131

ON-CAMPUS INTERVIEWS: Wednesday, February 19th

CAREER FAIR: Friday, February 21st at the DuPont Gymnasium

Visit our web site: www.qualcomm.com



EQUAL OPPORTUNITY EMPLOYER

Just because something is old doesn't mean it isn't valuable.

I can relate to that. Maybe that's why I'm never in a rush with these old guys. Sanding out a dent here and there, restoring the gears...soon I'll have all the time in the world for them, just like they have for me. That's the beauty of



retirement. And now that it's almost here, I'm grateful that I started planning early — with U.S. Savings Bonds. I started buying Savings Bonds when I got my first real job, through a Payroll Savings Plan. I put aside something every payday. And little by little, it really added up. Bonds are guaranteed safe, too, and earn interest up to 30 years.

In a few more years, you'll find me out here in the workshop more and more, fixing a hinge or polishing a case. I know that there's a lot of life left in these old guys. I can relate to that, too.

Ask your employer or banker about saving with U.S. Savings Bonds. For all the right reasons.



A public service of this newspaper

This space donated by The Tech

Jerome Namias SM '41

Jerome Namias SM '41, a pioneer in meteorological research and a former MIT research associate, died of pneumonia on Monday. He was 86.

"He was the father of extended range weather forecasting," said Dan Cayan of the Scripps Institution of Oceanography at the University of California at San Diego, where Namias was a researcher.

Namias studied the phenomena that created the Dust Bowl of the 1930s, aided in the development of weather forecasting for passenger airplanes, and was one of the first to look at how the upper layers of the ocean interact with the atmosphere to affect weather patterns.

He also helped research El Niño, the warming of the oceans in the Pacific every few years that is believed to have a significant impact on the global climate.

Namias attended the University of Michigan and then joined MIT as a research associate in 1936. He later received a master's degree from the Department of Aeronautics and Astronautics in 1941.

From 1941 to 1971, Namias served as director of the extended forecast division of the National Weather Service, then known as the Weather Bureau. The division began announcing five-day

forecasts in the 1940s, a feat considering the limits of the equipment at the time. During the 1960s, he developed monthly and seasonal predictions.

He joined the Scripps Institution in 1971 and established the first experimental climate forecast center.

Namias' work in meteorology also had an impact on political issues.

Namias was one of the forecasters consulted during World War II to pick a weather window when the Allies could invade North Africa.

His prediction of a warmer than normal winter during the Arab oil embargo helped persuade the government to forego gasoline rationing.

Over the course of his life, Namias earned several awards. He was elected to the National Academy of Sciences and to the American Academy of Arts and Sciences. He won a gold medal from the Department of Commerce for distinguished achievement. Namias also authored more than 200 papers and monographs in scientific literature.

He was born in Bridgeport, Conn. and grew up in Fall River, Mass. He continued his work in meteorology until 1989 when a stroke left him disabled.

Namias is survived by his wife Edith and his daughter Judith Immenschuh.

PUT YOUR VALUABLES IN A SAFE PLACE.



Helmets make riding more comfortable and fun. Not to mention safer. In a crash without one, you are five times as likely to suffer a serious head injury than a helmeted rider. No matter how short your ride, wear a helmet. It's the best protection for your most valuable asset. **MOTORCYCLE SAFETY FOUNDATION**

This space donated by The Tech

**This summer
navigate the 2001 R/O Odyssey...**

**THREE PAID R/O
INTERNSHIPS
ARE NOW AVAILABLE**

APPLICATIONS ARE AVAILABLE IN 7-103.

Deadline: Wednesday, February 26.

Arab Organization To Appeal Funding

Funding, from Page 1

represented a cut from an initial allocation of \$1,200. At the Monday meeting, some applicants voiced concern about the group receiving funding from both the GSC and the Undergraduate Association.

"There seems to be a problem [because] both the UA and the GSC are unclear on their policy on whether they allow both organizations to fund [the same] groups," said Arab Student Organization President Karim M.E.D. Hussein G, who said he felt the cut was because of this issue.

"There's not enough coordination between the two groups. A lot of the ethnic groups span both" the undergraduate and graduate communities, Hussein said.

The reason for the allocation cut was mainly due to Funding Board procedures, Barrett said.

The board allocates money in alphabetical order and then revisits the decisions, Barrett said. "You tend to give out more in the beginning and then you go back and normalize it."

The board did consider the Arab Student Organization's UA funding in reducing the allotment, but "that wasn't the driving force" behind the decision, Barrett said.

"The amount we have is quite reasonable," but the group does plan to appeal the decision, Hussein said.

Nonetheless, the organization has planned to use its funding in a variety of ways. It will hold a series of events to raise awareness about Arab culture, including a dance, a slide show, and a lecture series, Hussein said.

"We all have to sit down and come up with an appropriate policy," Hussein said.

"The GSC is trying to make its process more similar to the UA's so we can find some common ground," Barrett added.

Barrett said he plans to send to the UA a list of groups who received funding.

European Club plans events

The European Club plans to spend the \$720 it was allocated on activities like a farewell barbecue and participation in the International Fair, said Andrew J. Rhomberg G, the group's vice president.

"I received as much as I roughly expected, but I don't think it's fair that the total budget is only \$10,000," Rhomberg said.

"The process is generally fair if you bear in mind all the restrictions there are," Rhomberg said. Still, "the rules are not perfect for groups who get allocations from both the UA and the GSC," he added.

Graduate students must make up more than half of a group's membership before the GSC will consider funding them, Barrett said.

Additionally, no group can receive more than 15 percent of the GSC's total allocation for that term, Barrett said.

All of the decisions were approved by a majority of the six-member board, which consisted of Barrett, GSC President Constantine A. Morfopoulos G, GSC at-large member Gregory E. Penn G, GSC Activities Committee member Brian J. Schneider G, Association of Student Activities Treasurer William J. Gehrke '97, and ASA at-large member Jeremy H. Brown G.

Where the Money Went

Groups receiving the most GSC funding this term

Club Latino	\$1,100
Arab Students Organization	\$800
European Club	\$720
Lebanese Club	\$650
Chinese Students and Scholars Association	\$600
Malaysian Students Association	\$550
Brazilian Students Association	\$500
Hellenic Students' Association	\$500
Men's Rugby Football	\$500
Ashdown House Social Committee	\$400

SOURCE: GRADUATE STUDENT COUNCIL

The BATTLE of the BANDS

February 20 - March 20

Band and DJ Registration is

NOW at the Source!



There is a registration fee to cover sound: \$50 for Bands, \$10 for DJs.
Bands - At least half your members must be students or employees of MIT.
 You may compete in one of two categories: cover or original.
Deadline for Registration is 5PM on Friday, February 21.
DJs - You must be a student or employee of MIT.
 Please submit a sample tape of 10 minutes or less when you register.
 Tapes will be prescreened - the Program Board will select five to compete.
Deadline for Registration is 5 PM on Tuesday, February 18.
 Questions? E-mail Alicia at lisch@mit.edu or call the Source at x2-1994

Sponsored by the CAC Program Board

HOW TO USE THE BATHROOM.

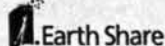
You're probably saying to yourself, any four-year-old knows how to use the bathroom. But you may not know that you use more water in the bathroom than anyplace else in your home. In fact, between the toilet, the shower and the sink you can use up to 55 gallons a day. You could end up using 30 to 60% less water by using a low-flow shower head.

you're shaving. And just because your shower sounds like an opera hall, don't feel the need to sing one. Shorter songs make for shorter showers. And for the biggest culprit of them all, the toilet, try putting a weighted jug in the tank. It will help save water every time you flush. Plus, don't forget to turn out the lights when you leave. You'll be helping to conserve electricity.

Save up to 15% more water by installing a weighted jug in your toilet tank. And oh yeah, if you don't think you'll remember these things, take this newspaper with you the next time you go.

Turning off your water while shaving or brushing your teeth can save 2 gallons of water each time.

IT'S A CONNECTED WORLD. DO YOUR SHARE.



TECHNOLOGY

D E Shaw & Co

FINANCE

"D. E. Shaw is the most technologically sophisticated firm on the Street." —Fortune

D. E. Shaw & Co., L.P. is a small (around 400 employees), highly capitalized (over 800 million dollars in equity capital), very successful Wall Street firm specializing in various aspects of the intersection between technology and finance. We are now aggressively seeking exceptional candidates in a variety of fields for positions in our offices in New York, Boston, London, Tokyo, and Hyderabad, and are prepared to compensate highly talented individuals at a level exceeding that of the market.

D. E. Shaw & Co., L.P. is an equal opportunity employer.

We're recruiting at MIT:

Please direct all inquiries or submit resumes, along with GPA and SAT scores, as follows: oncampus@deshaw.com or (212) 403-8499 (facsimile)

COMICS

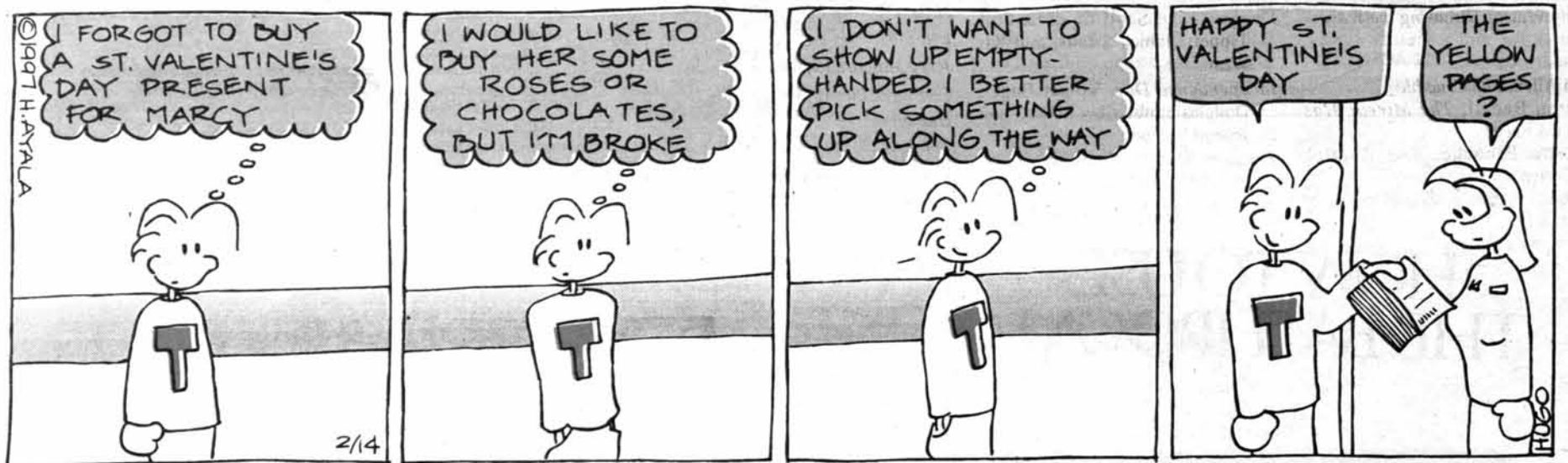
Dammed for Life

by JESSICA WU



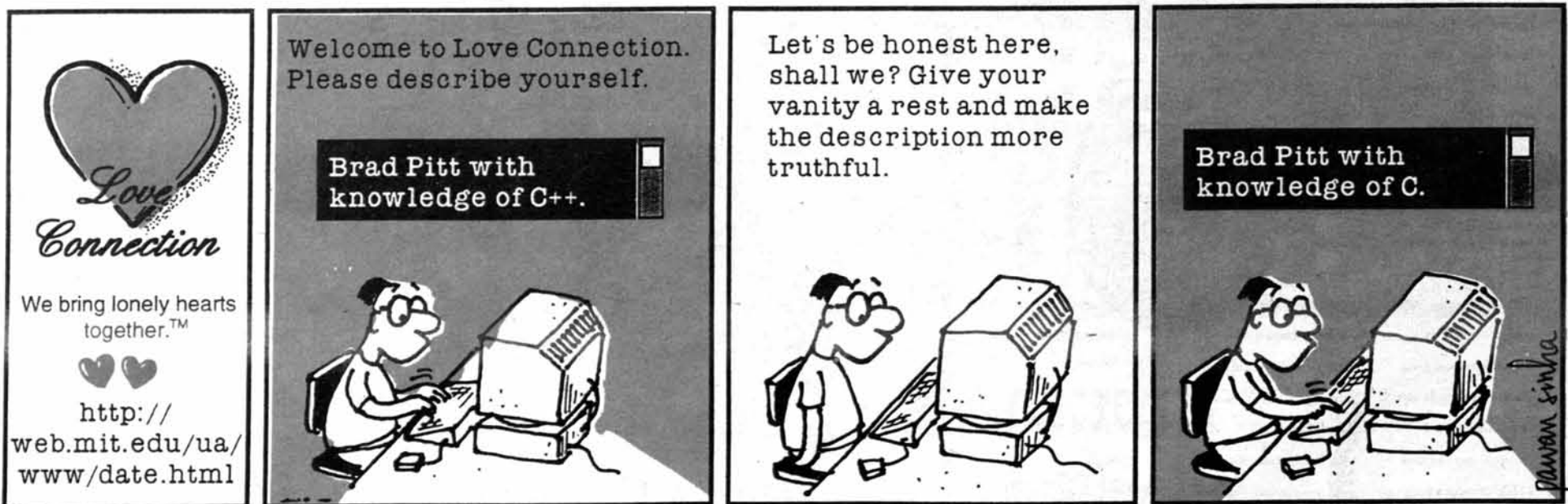
Off Course

by Hugo



tumbleweed garden

pawan sinha



Is doodling in your notebook your idea of good note taking? Then why not have a comic appear in The Tech! Just stop by Room 483 of the Student Center or give us a call at 253-1541 and ask for Stacey.

THE ARTS

1996 Oscar Nominees

Nominations for the 69th Annual Academy Awards, which will be presented March 24 at 9 p.m.

BEST PICTURE

The English Patient, Saul Zaentz, Producer
Fargo, Ethan Coen, Producer
Jerry Maguire, James L. Brooks, Laurence Mark, Richard Sakai, and Cameron Crowe, Producers
Secrets & Lies, Simon Channing-Williams, Producer
Shine, Jane Scott, Producer

BEST DIRECTOR

Joel Coen, *Fargo*
 Milos Forman, *The People vs. Larry Flynt*
 Scott Hicks, *Shine*
 Mike Leigh, *Secrets & Lies*
 Anthony Minghella, *The English Patient*

BEST ACTOR

Tom Cruise, *Jerry Maguire*
 Ralph Fiennes, *The English Patient*
 Woody Harrelson, *The People vs. Larry Flynt*
 Geoffrey Rush, *Shine*
 Billy Bob Thornton, *Sling Blade*

BEST SUPPORTING ACTOR

Cuba Gooding Jr., *Jerry Maguire*
 William H. Macy, *Fargo*
 Armin Mueller-Stahl, *Shine*
 Edward Norton, *Primal Fear*
 James Woods, *Ghosts of Mississippi*

BEST ACTRESS

Brenda Blethyn, *Secrets & Lies*
 Diane Keaton, *Marvin's Room*
 Frances McDormand, *Fargo*
 Kristin Scott Thomas, *The English Patient*
 Emily Watson, *Breaking the Waves*

BEST SUPPORTING ACTRESS

Joan Allen, *The Crucible*
 Lauren Bacall, *The Mirror Has Two Faces*
 Juliette Binoche, *The English Patient*
 Barbara Hershey, *The Portrait of a Lady*
 Marianne Jean-Baptiste, *Secrets & Lies*

BEST ORIGINAL SCREENPLAY

Ethan Coen and Joel Coen, *Fargo*
 Cameron Crowe, *Jerry Maguire*
 Mike Leigh, *Secrets & Lies*
 Jan Sardi, Scott Hicks, *Shine*
 John Sayles, *Lone Star*

BEST SCREENPLAY BASED ON PREVIOUS MATERIAL

Kenneth Branagh, *Hamlet*
 John Hodge, *Trainspotting*
 Arthur Miller, *The Crucible*
 Anthony Minghella, *The English Patient*
 Billy Bob Thornton, *Sling Blade*

BEST CINEMATOGRAPHY

Roger Deakins, *Fargo*
 Caleb Deshanel, *Fly Away Home*
 Darius Khondji, *Evita*
 Chris Menges, *Michael Collins*
 John Seale, *The English Patient*

BEST FILM EDITING

Gerry Hambling, *Evita*
 Joe Hutshing, *Jerry Maguire*
 Roderick Jaynes, *Fargo*
 Pip Karmel, *Shine*
 Walter Murch, *The English Patient*

BEST MUSICAL OR COMEDY SCORE

Alan Menken and Stephen Schwartz, *The Hunchback Of Notre Dame*
 Randy Newman, *James And The Giant Peach*
 Rachel Portman, *Emma*
 Marc Shaiman, *The First Wives Club*
 Hans Zimmer, *The Preacher's Wife*

BEST DRAMATIC SCORE

Gabriel Yared, *The English Patient*
 Patrick Doyle, *Hamlet*
 Elliot Goldenthal, *Michael Collins*
 David Hirschfelder, *Shine*
 John Williams, *Sleepers*

BEST ORIGINAL SONG

"Because You Loved Me" from *Up Close And Personal*, Diane Warren
 "For the First Time" from *One Fine Day*, James Newton Howard, Jud J. Friedman, and Allan Dennis Rich
 "I Finally Found Someone" from *The Mirror Has Two Faces*, Barbra Streisand, Marvin Hamlisch, Bryan Adams, and Robert Mutt Lange
 "That Thing You Do!" from *That Thing You Do!*, Adam Schlesinger
 "You Must Love Me" from *Evita*, Andrew Lloyd Webber and Tim Rice

BEST SOUND

The English Patient, Walter Murch, Mark Berger, David Parker, and Chris Newman
Evita, Andy Nelson, Anna Behlmer, and Ken Weston
Independence Day, Chris Carpenter, Bill W. Benton, Bob Beemer, and Jef Wexler
The Rock, Kevin O'Connell, Greg P. Russell, and Keith A. Wester
Twister, Steve Maslow, Gregg Landaker, Kevin O'Connell, and Geoffrey Patterson

BEST SOUND EFFECTS EDITING

Daylight, Richard L. Anderson and David Whittaker
Eraser, Alan Robert Murray and Bub Asman
The Ghost and the Darkness, Bruce Stambler

BEST VISUAL EFFECTS

Dragonheart, Scott Squires, Phil Tippett, James Straus, and Kit West
Independence Day, Volker Engel, Douglas Smith, Clay Pinney, and Joseph Viskocil
Twister, Stefan Fangmeier, John Frazier, Habib Zargarpour, and Henry La Bounta

BEST ART DIRECTION

The Birdcage, Bo Welch and Cheryl Carasik
The English Patient, Stuart Craig and Stephenie McMillan
Evita, Brian Morris and Phillippe Turiure
Hamlet, Tim Harvey
William Shakespeare's Romeo and Juliet, Chatherine Martin and Brigitte Broch

BEST COSTUME DESIGN

Angels and Insects, Paul Brown
Hamlet, Alex Byrne
Emma, Ruth Myers
The Portrait of a Lady, Janet Patterson
The English Patient, Ann Roth

BEST MAKEUP

Ghosts of Mississippi, Matthew W. Mungle and Deborah La Mia Denaver
The Nutty Professor, Rick Baker and David Leroy Anderson
Star Trek: First Contact, Michael Westmore, Scott Wheeler, and Jake Garber

BEST FOREIGN FILM

A Chef in Love, Georgia
Kolya, Czech Republic
The Other Side of Sunday, Norway
Prisoner of the Mountains, Russia
Ridicule, France

BEST DOCUMENTARY FEATURE

The Line King: The Al Hirschfeld Story, Susan W. Dryfoos
Mandela, Jo Menell and Angus Gibson
Suzanne Farrell: Elusive Muse, Anne Belle and Deborah Dickson
Tell The Truth and Run: George Seldes and the American Press, Rick Goldsmith
When We Were Kings, Leon Gast and David Sosenberg

BEST DOCUMENTARY SHORT SUBJECT

Breathing Lessons: The Life and Work of Mark O'Brien, Jessica Yu
Cosmic Voyage, Jeffrey Marvin and Bayley Silleck
An Essay on Matisse, Perry Wolff
Special Effects, Susanne Simpson and Ben Burt
The Wild Bunch: An Album in Montage, Paul Seydor and Nick Redman

BEST ANIMATED SHORT FILM

Canhead, Timothy Hittle and Chris Peterson
La Salla, Richard Condie
Quest, Tyron Montgomery and Thomas Stellmach
Wat's Pig, Peter Lord

BEST LIVE ACTION SHORT FILM

De Tripas, Corazon, Antonio Urrutia
Dear Diary, David Frankel and Barry Jossen
Ernst & Lyset, Kim Magnusson and Anders Thomas Jensen
Esposados, Juan Carlos Fresnadillo
Wordless, Bernadette Carranza and Antonello De Leo

Films with more than one nomination. Total nominations listed in parentheses.

The English Patient (12)
Fargo (7)
Shine (7)
Evita (5)
Jerry Maguire (5)
Secrets & Lies (5)
Hamlet (4)
The Crucible (2)
Emma (2)
Ghosts of Mississippi (2)
Independence Day (2)
Michael Collins (2)
The Mirror Has Two Faces (2)
The People vs. Larry Flynt (2)
The Portrait of a Lady (2)
Sling Blade (2)
Twister (2)



CD Reviews

By Joel M. Rosenberg
 STAFF REPORTER

SQUIRREL NUT ZIPPERS: HOT

When I first heard this album at a Tower listening station, I couldn't believe my ears. No jazz reissue or another new performance of an old arrangement. The Squirrel Nut Zippers, out of Chapel Hill, N.C., are a 90s band that have taken old school 30s jazz and given it a new edge for an awesome mix.

The music makes you feel like ordering a whiskey in a bar filled with cigarette smoke and sweat. Definitely music to hang out to, and almost irresistibly perfect for dancing to. Named after a Massachusetts old-time chewy peanut-flavored snack, the band features a brass section, banjo, guitar, bass, traditional traps, and other assorted instruments, including winds. The Nut Zippers are getting bigger and bigger, having played at MTV's inaugural ball for Clinton last month.

Ironically enough, *Hot* (their second offering, after *The Inevitable*) is actually a CD-ROM — not bad for a band playing in the style of the earlier half of the century. It's an awesome introduction to the band, including biographic material, interviews, and even snippets of songs from the first album, along with lyrics from both.

The Nut Zippers are a "musical seance," and hearing it can transport you to another time, expect the music will be better than it was in that time. It's a great introduction to this music and can mix up your CD collection a bit.



Music, Page 13



KISS

KEEPING INTIMACY SAFE AND SENSUAL

VALENTINE'S DAY STUDENT CENTER, 11-4

- * KISSING BOOTH
- * MAKE YOUR OWN VALENTINE
- * WIN PRIZES
- * FREE CONDOMS AND STD INFO

SPONSORED BY MEDLINKS OF MIT MEDICAL,
AND THE CAC PROGRAM BOARD



Classical Music

The New England Spiritual

One Follen St., Cambridge. Feb. 19. Information: 876-0956, x120. Longy faculty Robert Honeysucker, Stan Strickland, Peter Cassino, and others join the Longy Contemporary Jazz Ensemble and the Chamber Orchestra for concerts of music by Florence Price, Irving Fine, Ornette Coleman, Scott Joplin, and others.

AMP Student Recital

Killian Hall, 160 Memorial Dr., Cambridge. Feb. 19, 5 p.m. Admission: free. Information: 253-9800. Youssef Marzouk '97, piano. Pieces include Scarlatti: *Sonata in D Major*, *Sonata in G Minor*, *Sonata in G Major*; Schumann: *Sonata in G Minor*, Op. 22; Mozart: *Adagio in B Minor*, KV 540; Bartok: *Improvisations (sur des chansons paysannes hongroises)*, Op. 20.

MIT Chapel Series

MIT Chapel, across from 77 Massachusetts Ave., Cambridge. Feb. 20, noon. Works by German baroque composers.

Thompson/VIOLA Recital Preview

Killian Hall, 160 Memorial Dr., Cambridge. Feb. 14, 4:30 p.m. Admission: free. Information: 253-9800. Marcus Thompson, viola; Judith Gordon, piano. Program includes Hindemith, *Sonata No. 4 Op. 25*; Brahms, *Sonata in G Major Op. 78*; Lazarof, *Six Bagatelles for Solo Viola*; Vieuxtemps, *Sonata in B-flat Op. 36*.

A Classical Valentine

Symphony Hall, 301 Massachusetts Ave., Boston. Feb. 14, 8 p.m.; Feb. 16, 3 p.m. Information: 266-3605. Pieces include Mozart's *Overture to The Marriage of Figaro*, K. 492 and *Violin Concerto in G*, K. 216; Rossini's *Overture to The Italian Girl in Algiers*; Beethoven's *Symphony No. 2*. Conducted by Andrew Parrott, with Daniel Steptner playing the violin.

Jazz Music

Pierre Hurrel Trio

The French Library and Cultural Center, 53 Marlborough St., Boston. Feb. 19, 7 p.m. Admission: \$10; members, students, and seniors, \$8. Information: 266-4351.

Jazz Vespers

University Lutheran Church, 66 Winthrop St., Cambridge. Feb. 16, 6 p.m. Admission: free. Information: 876-3256. *Music and meditation in the night*, featuring the Jeff Robinson Trio.

Popular Music

Middle East

472 Massachusetts Ave., Cambridge. 9 p.m. Admission: cover varies. Casual attire. All shows 18+. Information: 497-0576, 354-8238. Feb. 14: Lilys, *Syrup USA*. Feb. 15: Lyres, *The Prissteeens*, *Devotions*. Feb. 16: Residency Series with Buttercup, Chris Colbourn, *Voodoo Glow Skulls*. Feb. 17: *Apartment Three*, *The Blue Route*, Scott Mackey. Feb. 18: *Spacetruck*, *Unisuit*, *Glans*. Feb. 19: *The Doosies*, *Sameasyou*, *Movable*. Feb. 20: *Cambridge Concerts for Housing Justice*. Feb. 21: *Miracle Legion*, *Humidifiers*, *Lockgroove Lullaby*.

Film

Lecture Series Committee

77 Massachusetts Ave., Cambridge. Admission: \$2. Information: 258-8881.

The Long Kiss Goodnight. Feb. 14, 7 p.m. and 10 p.m., Room 26-100. Geena Davis plays an amnesiac who was begun a new life. When she regains some of her memory in a car accident, and a private eye (Samuel Jackson) finds clues to her past, she begins to find out who she is and what dangers her old life holds.

Fahrenheit 451. Feb. 14, 7:30 p.m., Room 10-250. François Truffaut's only film in English, *Fahrenheit 451* is his vision of Ray Bradbury's cynically prophetic story about a society where books are outlawed and firemen start fires. Oskar Werner's performance captures his sense of alienation as he realizes that he no longer believes in the society whose

On The Town

A weekly guide to the arts in Boston
February 14 - 20

Compiled by Cristián A. González

Send submissions to ott@the-tech.mit.edu or by interdepartmental mail to "On The Town," The Tech, W20-483.

ideals he once embraced as his own.

Ransom. Feb. 15, 7 p.m. and 10 p.m., Room 26-100. Mel Gibson stars as Tom Mullen, a wealthy executive whose young son is kidnapped and held for a two million dollar ransom. When an FBI rescue effort fails, Mullen offers the ransom money as bounty for the kidnappers, against the advice of his wife (Rene Russo) and the FBI. *Delicatessen*. Feb. 16, 7 p.m. and 10 p.m., Room 26-100. The end of the world came and went, and you're still around. Unfortunately, cows, chickens, vegetables, fruits, and grain aren't. So if your landlord starts cutting up other tenants and selling them for food, do you object? Or do you just try to keep on his good side? And what happens when his daughter falls in love with you? Possibly the nicest cannibalism movie ever made. In French, with English subtitles.

The Museum at the John F. Kennedy Library

Columbia Point, Boston. Through June 1: Fri.-Thurs. 9 a.m.-5 p.m. Admission: \$6; seniors and students, \$4; ages 6-12, \$2; under 6, free. Information: 929-4523. Films run continuously during the day.

Cuban Missile Crisis. Film documenting the October 1962 confrontation with the Soviet Union. Through June 1.

Fight Against Segregation. A film on events leading up to JFK's national address on civil rights. *Son of Ireland*. Portrays Kennedy's visit to his ancestral home. Through June 1.

Great Americans: Martin Luther King. Using documentary footage and photographs, this film traces Dr. King's actions as he commits his life to his cause. Showing Feb. 15.

Eyewitness: Week of Decision. Reviews Civil Rights struggles in North Carolina and Alabama. Charles Collingwood reports on the assassination of Medgar Evers, Governor George Wallace speaks on segregation policy, and comments from Dr. Martin Luther King. Showing Feb. 16.

Eyewitness: The President Meets the Racial Crisis. Part of the CBS' "Eyewitness" series, this film chronicles the actions taken by President Kennedy in reaction to mounting Civil Rights crises of the spring of 1963 (including excerpts of his eloquent address to the nation on Civil Rights), as well as the responses these actions provoked. Showing Feb. 18.

Martin Luther King's "I Have a Dream Speech". King's eloquent and powerful speech delivered on Aug. 28, 1963, during the March on Washington. Showing Feb. 19. *Paul Robeson, Tribute to an Artist*. An in-depth view of the brilliant actor, including dramatic footage from many of his famous roles. Showing Feb. 20.

Whales

Museum of Science, Science Park, Cambridge. Through April 30. Admission: \$7.50; seniors and ages 3-14, \$5.50 (Tues., bargain nights for all shows 7 p.m. and later, \$5; seniors and ages 3-14, \$3). Information: 723-2500. Film follows the life cycles and travels of blue, humpback, and right whales from Argentina to Alaska.

Belle de Jour

The French Library and Cultural Center, 53 Marlborough St., Boston. Feb. 20 and 21, 8 p.m. Admission: members, \$10; non-members, \$6; 10-pass, \$40. Information: 266-4351. In French with English subtitles. Film directed by Luis Buñuel, with Catherine

Deneuve, Jean Sorel, Michel Piccoli. Buñuel's wry and disturbing tale of a virginal newlywed who works the day shift in a high-class Parisian brothel, unknown to her patient husband.

Leona's Sister Gerri

140 Commonwealth Ave., Chestnut Hill. Feb. 18, 7:30 p.m. Admission: free. Information: 552-4295. Part of Social Issues Film Series. Film to be introduced by its maker.

Openings

Musical Theatre Guild: On the Town

La Sala de Puerto Rico, Student Center, 84 Massachusetts Ave., Cambridge. Feb. 14-15, 8 p.m.; Feb. 16, 2 p.m.; Feb. 20, 8 p.m. Admission: \$9; MIT/Wellesley students, \$6; MIT faculty and staff and other students, \$8. Information: 253-6249. Production of the one-day New York City shore leave of three sailors.

Ongoing Theater

Annie

Colonial Theatre, 106 Boylston St., Boston. Through Feb. 16. Tues.-Sat., 7:30 p.m.; Sun., 7 p.m.; matinees Sat.-Sun., 2 p.m. Admission: \$45-\$65. Information: 931-2787. Musical.

Rent

Shubert Theatre, 265 Tremont St., Boston. Through April 27. Tues.-Sat., 8 p.m.; Sun., 7 p.m.; matinees Sat.-Sun., 2 p.m. Admission: \$25-\$67.50.

Information: (800)447-7400. Musical based on Puccini's 1896 opera *La Bohème*.

South Pacific

Turtle Lane Playhouse, 283 Melrose St., Newton. Through March 16. Admission: \$16 and \$18; seniors and students, \$12. Information: 244-0169. Rodgers and Hammerstein musical.

Dance

Dance Troupe Breaking Bounds Concert

Little Kresge, Rear 48 Massachusetts Ave., Cambridge. Feb. 21, 8 p.m.; Feb. 22, 8 p.m.; Feb. 23, 2 p.m. Admission: \$4 in advance; \$5 at the door for MIT community; non-MIT add \$1 to the ticket price. Information: 225-8744.

Onegin

Boston Ballet, 268 Tremont St., Boston. Through Feb. 16. Wed.-Thurs., 7 p.m.; Fri.-Sat., 8 p.m.; matinees Sat.-Sun., 2 p.m. Admission: \$12.50-\$67; discounted tickets at \$12.50 available for students one hour before performance. Information: 931-2787, 695-6950. Ballet by John Cranko.

Lectures

Emergency Broadcast Network's Josh Pearson and Greg DeCampo

Bartos Theater, MIT Media Laboratory, 20 Ames St., Cambridge. Feb. 19, 4:15 p.m. Admission: free. Information: 253-0804. This colloquium will focus on a video presentation of EBN

productions and techniques which incorporate humorous distortions of the American military-entertainment-political-corporate-industrial complex, including footage of various projects such as the Golfbag Launcher recreational missile launch system, the Telepodium, and Emergency Broadcast Vehicle mobile entertainment crowd control system. Also shown will be exclusive live footage shot in Austria as part of a one-hour documentary for Austrian TV. The discussion will also cover underlying EBN doctrine, research, policy, production techniques, and software development.

High-Level Nuclear Waste Disposal: Will It Come to Pass?

Radcliffe Research and Study Center, Bunting Institute, 34 Concord Ave., Cambridge. Feb. 19, 4 p.m. Admission: free. Information: 495-8212. With Allison M. MacFarlane. Part of the Radcliffe Bunting Institute Colloquium Series.

Astronomy in Space

Northeastern University Marine Science Center, Nahant. Feb. 19, 7:30 p.m. Admission: \$5. Information: 595-5597. With Jonathan McDowell of the Harvard Smithsonian Center for Astrophysics.

Exhibits

MIT Museum

265 Massachusetts Ave., Cambridge. Tues.-Fri., 10 a.m.-5 p.m.; Sat.-Sun., noon-5 p.m. Admission: \$3; students, seniors, and under 12, \$1. Information: 253-4444.

What's So Funny About Science? Cartoons of Sidney Harris offer a hilarious look at unexpected and incongruous moments in science. Through May 31.

Maps from the Age of Atlases. Rare maps from the Museum's Hart Nautical Collections illuminate the golden age of cartography. Through May 4.

Gestural Engineering: The Sculpture of Arthur Ganson. Ganson's kinetic sculptures exude the wit of their creator, a self-described cross between a mechanical engineer and a choreographer. Ongoing.

LightForest: The Holographic Rainforest. Large-scale hologram exhibit by Betsy Connors. Ongoing.

Holography. The exhibition explores the holographic universe from its inception in the late 1940s through its artistic and technical evolution and highlights works by the world's foremost holographers. Ongoing.

Math in 3D. Morton C. Bradley's



Tom Mullen (Mel Gibson) and FBI agent Hawkins (Delroy Lindo) wait to hear from the men who kidnapped Tom's son in *Ransom*, showing Saturday in 26-100 at LSC.

mathematical sculptures inspire inventors of all ages to create their own structures in the adjacent MathSpace activity center. Ongoing.

MIT Hall of Hacks. Chronicling MIT's rich hacking tradition, this exhibition features historic photographs and a collection of artifacts. Ongoing.

Hart Nautical Gallery
55 Massachusetts Ave., Cambridge. Mon.-Sun., 9 a.m.-8 p.m. Admission: free. Information: 253-4444.

Ships for Victory: American Shipbuilding's Finest Hour. Historic photographs and artifacts explore the shipbuilding programs of World War II, the vital and unprecedented contribution of women to these programs, and MIT's pivotal role in the shipbuilding effort. Ongoing.

Ship Models. Rare models illustrate the evolution of ship design from the 16th to 20th centuries. Ongoing.

On the Surface of Things: Images in Science and Engineering by Felice Frankel.

Compton Gallery, 77 Massachusetts Ave., Cambridge. Feb. 14-June 27: Mon.-Sun., 9 a.m.-8 p.m. Admission: free. Information: 253-4444. Stunning photographs communicate recent research in a variety of disciplines at MIT and other institutions.

List Visual Arts Center
20 Ames St., Cambridge. Through March 29: Sat., Sun., Tues.-Thurs., noon-6 p.m., Fri. noon-8 p.m. Admission: free. Information: 253-4680.

Joseph Kosuth: Re-Defining the Context of Art: 1968-1997. Works by this renowned Conceptual artist.

The Shape of Breath. Works by this Seattle-based artist. Explores the metaphorical properties of materials.

Port: Navigating Digital Culture. Exhibition of collaborative, performative art projects taking place over the Internet.

The Race to the Moon
The Museum at the John F. Kennedy Library. Off Morrissey

Boulevard, Dorchester. Through June 1: Fri.-Thurs., 9 a.m.-5 p.m. Admission: \$6; seniors and students, \$4; ages 6-12, \$2; under 6, free. Information: 929-4523. Exhibit on America's pioneering space exploration.

Museum of Fine Arts
465 Huntington Ave., Boston. Mon.-Tues., 10 a.m.-4:45 p.m.; Wed.-Fri., 10 a.m.-9:45 p.m.; Sat.-Sun., 10 a.m.-5:45 p.m. Admission: \$10; seniors and college students, \$8; ages 17 and under, free; Wed. after 4 p.m., voluntary contribution; Thurs.-Fri., after 5 p.m., \$2 discount. Information: 267-9300.

Herb Ritt's Work. Several works of the renowned photographer. Through Feb. 23.

Face and Figure in Contemporary Art. Survey of the variety and complexity of contemporary approaches to the theme of the human figure. Through March.

Dressing Up: Children's Fashions 1720-1920. Explores the relationship between children's and adults' fashions in the past couple of centuries. More than 40 costumes, predominantly from the museum's permanent collection, are on view along with accessories, toys, dolls, furniture, and paintings. Through March 23.

The Art of John Biggers: View from the Upper Room. Exhibit of the black artist's drawings, prints, paintings, and sculptures. Through April 20.

Beyond the Screen: Chinese Furniture of the 16th and 17th Centuries. The exhibit aims to not only explore the beauty of Chinese art forms, but also to carry the viewer into the physical surroundings of their time. Through May 18.

This is the Modern World: Furnishings of the 20th Century. The exhibit relates the look of objects intended for everyday use to the creative vision of the artist-maker or designer, and the demands of technology, function, cost, and the needs and desires of the potential buyer or user. Through September.

Arthur M. Sackler Museum
485 Broadway, Cambridge. Mon.-Sat., 10 a.m.-5 p.m.; Sun. 1-5 p.m. Admission: \$5; seniors, \$4; students, \$3; under 18 and Saturday morning, free.

Information: 495-9400.
Masterworks of Ukiyo-e. Printed works by two important artists of the period, Toshusai Sharaku (active 1794-1795) and Kitagawa Utamaro (1754-1806). Through Feb. 16.

Building the Collective: Soviet Graphic Design, 1917-1937. Over 100 posters and graphic work on display. Through March 30.

Computer Museum, Museum Wharf

300 Congress St., Boston. Two blocks from South Station T station. Tues.-Sun., 10 a.m.-5 p.m. Admission: \$7; seniors and students ages 5 and up, \$5; ages 4 and under, free; Sun., 3-5 p.m., half-price. Information: 423-6758.

Robots! Robots! Robots! Guided explorations into the world of robots and artificial intelligence. Through Feb. 23.

Mission Impossible. Discover the difference between humans and smart machines, self-guided activities, talk with a computer program.

Botticelli's Witness: Changing Style in a Changing Florence

Isabella Stewart Gardner Museum, 280 The Fenway, Boston. Through April 6: Tues.-Sun., 11 a.m.-5 p.m. Admission: \$9; seniors, \$7; college students with ID, \$5; ages 12-17, \$3; under 12, free. Information: 566-1401. Works by Sandro Botticelli, one of the most influential artists of the Italian Renaissance.

USS Constitution Museum

Navy Yard, Charlestown. Mon.-Sun., 10 a.m.-4 p.m. Admission: \$4; seniors, \$3; ages 6-16, \$2; under 6, free; under 16 when unaccompanied by an adult, free. Information: 426-1812.

Old Ironsides in War and Peace. Retrospective celebrating the USS Constitution's upcoming 200th birthday. Includes artifacts such as the sea bag and possessions of an 1812 crew member, hands-on activities, and photographs. Ongoing.

Strengthening Old Ironsides. Color photographs documenting the four-year rehabilitation and restorations of the ship. Ongoing.

Capturing Old Ironsides on Canvas. Works by artist Cheslie D'Andrea. Ongoing.

Living with Ants and the Science of E.O. Wilson
Harvard Museums of Cultural and Natural History, 26 Oxford St., Cambridge. Through April 30: Mon.-Sat., 9 a.m.-5 p.m.; Sun., 1-5 p.m. Admission: \$5; seniors and students, \$4; ages 3-13, \$3; Sat. 9 a.m.-noon, free. Information: 495-3045.

Supermercado
Children's Museum, Museum Wharf, 300 Congress St., Boston. Tues.-Sun., 10 a.m.-5 p.m., Fri. until 9 p.m. Admission: \$7; ages 2-15 and seniors, \$6; 1-year-olds, \$2. Information: 426-8855. Latin American supermarket exhibit.

Clido Melreles
Institute of Contemporary Art, 955 Boylston St., Boston. Through March 30: Wed.-Sun., noon-5 p.m.; Thurs. until 9 p.m. Admission: \$5.25; students with ID, \$3.25; children and seniors, \$2.25; free Thurs. after 5 p.m. Information: 266-5152. Survey exhibit of the works by this Brazilian artist.

Sequential Art: The Next Step 2

Museum of the National Center of Afro-American Artists, 300 Walnut Ave., Roxbury. Through Feb. 16: Tues.-Sun., 1-5 p.m. Admission: \$1.25; students and seniors, 50 cents. Information: 442-8614. Works by contemporary African American comic book artists including Darryl Banks, Malcolm Davis, Louis Small Jr., Tom Feelings, and others.

Invaluable Prints

Fogg Art Museum, 32 Quincy St., Cambridge. Through March 2: Mon.-Sat., 10 a.m.-5 p.m.; Sun., 1-5 p.m. Admission: \$5; seniors, \$4; students, \$3; under 18 and Saturday morning, free. Information: 495-9400. Works by Durer, Canaletto, Daumier, Manet, Winslow Homer, Jasper Johns, and others that are worth comparatively little on the art market but are priceless as teaching tools at Harvard.

Building the Collective: Soviet Graphic Design, 1917-1937

Busch-Reisinger Museum, 32 Quincy St., Cambridge. Through March 30: Mon.-Sat., 10 a.m.-5 p.m.; Sun., 1-5 p.m. Admission: \$5; seniors, \$4; students, \$3;

under 18 and Saturday morning, free. Information: 495-9400.

Inside Fort Independence: An Archaeological View of Military Life

Commonwealth Museum, 220 Morrissey Blvd., Dorchester. Mon.-Fri., 9 a.m.-5 p.m.; Sat., 9 a.m.-3 p.m. Admission: free. Information: 727-9268.

The Pyramids and the Sphinx: 100 Years of American Archaeology at Giza

Semitic Museum, Harvard University, 6 Divinity Ave., Cambridge. Mon.-Fri., 10 a.m.-4 p.m.; Sun., 1-4 p.m. Admission: free. Information: 495-4631. Collection of photos and artifacts. Ongoing.

New England Aquarium

Central Wharf, Boston. Mon.-Fri., 9 a.m.-5 p.m.; Sat.-Sun. and holidays, 9 a.m.-6 p.m. Admission: ages 12 and up, \$9.50; seniors, \$8.50; ages 3-11, \$5; under 3, free. Information: 973-5200.

The Otter Limits. Construction relocation of aquarium's colony of harbor seals and sea otters to a new, enlarged habitat behind the aquarium.

Ponds: The Earth's Eyes. Self-guided tour of freshwater habitats. Go with the Flow. Problems and solutions for Boston Harbor.

Giant Ocean Tank. 187,000-gallon coral reef tank.

Rivers of Americas: Amazon and Connecticut.

Old State House Museum

State and Washington Streets, Boston. Mon.-Sun., 9:30 a.m.-5 p.m. Admission: \$3; seniors and students, \$2; children, \$1.50. Information: 720-3290.

Trophies and Treasures: Two Centuries of Luxury at Shreve, Crump and Low. Through July 31.

When the Boys Came Marching Home. Everyday life in post-World War II Boston. Through August.

Museum of Our National Heritage

33 Marrett Road, Lexington. Mon.-Sat., 10 a.m.-5 p.m.; Sun., noon-5 p.m. Admission: free. Information: 861-6559.

Collecting the Southwest: The Harvey Family Legacy. The Harvey Company was instrumental in opening the southwest to commercial tourism at the turn of the

century. Premiere examples of native American weavings and paintings are found in two exhibitions. Through Sept. 14.

The Art and Artistry of Appliqué. These appliqué quilts made between 1845 and 1895 are selected from the collection of Robert and Ardis James. Through March 23.

Over There: The Yankee Division in World War I. The story of the 26th "Yankee" Division is dramatized through military artifacts, documentary photographs, and memorabilia from the homefront. Through June 22.

Original Visions: Shifting the Paradigm, Women's Art 1970-1996

Boston College Museum of Art, 140 Commonwealth Ave., Chestnut Hill. Through May 18. Mon.-Fri., 11 a.m.-4 p.m.; Sat.-Sun., noon-5 p.m. Admission: free. Information: 552-8100. Exhibit includes paintings, photographs and sculptures.

Events

Skating on the Public Garden

Public Garden Lagoon, Boston Common. Through Feb. 23: Fri., 4-9 p.m.; Sat, Sun., and holidays, 10 a.m.-8 p.m. Information: 635-4505. Skate rentals available.

Storytelling Series

Hemenway Street, Boston. Feb. 14, 8 p.m. Admission: free. Information: 536-1027. Coffeehouse and storytelling with Kirk Avery's stories to heal the heart.

Ultimate Dinner: Fish

The French Library and Cultural Center, 53 Marlborough St., Boston. Feb. 18, 6:15 p.m. Admission: \$40; members, students, and seniors, \$35. Information: 266-4351. In English. Ian Just, chef and owner of *Les Zygomates* in Boston will demonstrate the preparation of *scallop and monk-fish liver provençal* for the third course of the Center's 10th annual "Ultimate Dinner" series.

yeP!
yeP!onymous

C D R e v i e w s

NIRVANA
FROM THE MUDDY BANKS OF THE WISHKAH

Music, from Page 11

YEPI: YEP!ONYMOUS

While explaining this band's name can turn into a "Who's on First?" routine, hearing these guys groove should clear up any misunderstandings. Having never heard yeP! before, I decided to check them out at the Middle East a few weeks ago. My reward was finding one of the most refreshing groups I've heard in a while.

Their pseudo-onymous freshman album has elements of 70s funk like Tower of Power ("Mutha Funk in Soul"), 50s Chuck Berry ("Boogie Woogie Gator"), 90s folk-rock ("Clean Sweep"), plus a bunch of other great stuff. Pseudo-onymous because they define eponymous in the booklet: "Comprising an unusual collection of rock-oriented funklectic bluegressive jazzska cartoongrass hip 'n' groove songs (when preceded by 'y')." There you have it.

They jam in the Dead/Phish tradition, play some covers live (even tease the *Looney Tunes* theme and "Ring Around the Rosie" on the cut "Principles and Practice") and are all around entertaining. The lyrics are great and the musicianship is even

better. Pedal steel guitar, banjo, brass, percussion, tuba, fiddle, and harmonious backups fill the tracks behind bass, two kicking guitars, keyboards, and drums. They're not afraid to take on weird rhythms, hinting at Rush's "Tom Sawyer" to open "Stealth," among other examples. In fact, with their range, it doesn't seem like they're intimidated by any type of music.

Not only is the music good, but they're another "fan band." They allow taping at shows, interact well with the audience, and are so readily accessible you can still book them to play your gig — better hurry, though. Be the first one on your block to get into yeP!, and you can be the first wearing shirts with their cool logo on it. They'll be back in the New England area in April and May.


NIRVANA: FROM THE MUDDY BANKS OF THE WISHKAH

Nirvana exploded out of Seattle, defined this decade's music and ended with a bullet. They influenced innumerable bands, and while there's no new music coming from them now, *From the Muddy Banks of the Wishkah*, their live album released last October, helps make accessible what many missed back then and can never experience again.

Bassist Krist Novoselic and drummer Dave Grohl sifted through more than 100 hours of tapes to find the tracks for this album. It's not the over-polished piece Cobain felt *Nevermind* was but instead a raw offering of the hard-core nature of the band. You can feel the anger in Kurt, where "Smells Like Teen Spirit" is even faster and grungier than the album. You can also hear the personality of Nirvana as they introduce a song with "This is a new song we don't really feel like actually going through the trouble of putting out ourselves, and it's for all you bootleggers to go ahead and go."

The songs were recorded between 1989 and 1994, in venues ranging from small European clubs to the Del Mar Fairgrounds on tour with Pearl Jam and the Red Hot Chili Peppers. The audience is great to listen to, as it is on most live albums and helps define and interpret the music at the same time.

Muddy Banks isn't an introductory Nirvana album, but it's awesome if you're looking for a Nirvana bootleg without the hassle of taping. Krist describes it best, "Crank this record up and realize the bliss, power, and passion — Total Nirvana!"



**The Most
Exciting
Thing You'll
Discover at
Amgen Is
Something
New About
Yourself**

At Amgen, research is our focus, but people are our inspiration. Which is why individual contributions are valued. Diversity is respected. And at Amgen, your knowledge and skills bring unique rewards. Not only will your work serve critical advances in healthcare, but you'll discover unlimited potential for achievement. With over 17 years of award-winning discovery behind us, Amgen emerges today as the world's leading biotechnology company.

Discover Amgen, and you'll discover a world of opportunity — at our beautiful campus-like headquarters in **Thousand Oaks** or our growing **Boulder, Colorado** facility at the foothills of the Rockies.

If you are seeking a full-time career opportunity or a summer internship, and your degree is in Biochemistry, Chemistry, Biology, Chemical Engineering or a related discipline, please bring your resume and join us during our visit:

COMPANY PRESENTATION

Wednesday,

February 19th

at 6:00pm

Cambridge Marriott

Amgen recognizes that diverse perspectives are a key factor in the process of discovery.

Please visit our website at www.amgen.com to learn more about our career opportunities. **Deadline for Summer Internship Program is Feb. 28th!**

EEO/AA Employer M/F/D/V

AMGEN®
THE CORPORATION COMPANY
<http://www.amgen.com>

Center Will Provide Additional Services

Fishbowl, from Page 1

administrative ranks at MIT," she said. "It's not a decision that's taken lightly."

"The thing I find difficult to explain to people is the care that went into making this decision," said Director of Administration and Operations Stephen D. Immerman.

The decision was neither arbitrary nor capricious, Immerman said. "It was really a difficult thing."

The completed Student Services Center, which administrators hope to have in operation by mid-August, will host many more services that are currently scattered throughout campus.

Among the services that will be located in the expanded Student Services Center are the MIT Card Office, federal work-study information, cash advances and account refunds from the Bursar's Office, promissory note signing, enrollment certification, and loan entrance counseling for Perkins, Stafford, and Technology loans, DeBaun said.

The Student Services Center, currently operating in its pilot phase fulfilled 8,578 requests for services during the months of December and January, according to logs of the center. During that time, 105 students were referred to other offices because their requests could not be processed in the center.

IS relocation to begin in March

IS will have to move out of Building 11 in order to accommodate the new Student Services Center.

Some relocation may occur as early as next month, said Vice President for Information Systems James D. Bruce ScD '60. "The plan is for the Fishbowl to move during spring break. Other functions may move earlier if the space for them is ready."

The Fishbowl cluster will be

replaced with a new cluster in Building 12, Bruce said.

The Athena servers currently located in the basement of Building E40 will also be moved to a new location.

While Building N42 will be exclusively for IS, additional space is still required to make up for space lost in moves from Building 11 and Building E40. "The Planning Office and I are still working to identify the additional space required," Bruce said.

"We do not yet know what the time frame is for the E40 move nor do we know where the people and hardware would move to," said Tom Coppeto, a systems programmer with IS.

"My understanding is that it will definitely not be before October," said Naomi B. Schmidt, manager of educational planning and support for IS.

"I am hoping to get an answer to this soon so we can begin the necessary planning," Coppeto said.

Among the facilities that will need to be moved are the mail servers, file servers, Zephyr servers, and license servers for the Athena computing system, Schmidt said.

IS expects that Athena users will not experience any trouble as a result of the move. "My guess is that network services would remain available throughout any moving operation," said Network Manager for IS Jeffrey I. Schiller. "The trickiest part is moving the Athena file servers and even this can be done without interruption, if we have the right resources and the timing is right."

This is not the first time IS has had to move hardware, Schiller said. In 1983, the servers in Building 39 were relocated to Building W91.

Services were interrupted during that move. However, "the downtime was short, on a weekend and after the term was over," Schiller said.



GABOR CSANYI—THE TECH

Youssef M. Marzouk '97 and Gary R. Crichlow G perform *Siete Rose* by G. F. Händel at the dedication concert of MIT's new harpsicord yesterday in Killian Hall.

THE MOST FUN YOU'LL GET OUT OF THE DMV.

Unlicensed riders are over-represented in fatal crashes. So get to the DMV. Because having a motorcycle operator license is something you can live with.

MOTORCYCLE SAFETY FOUNDATION

vacation
spring break

Garber Travel Professionals are ready to treat you to rest and relaxation you deserve

MAKE THE GREAT

escape



The lowest prices anywhere, anytime, **GUARANTEED**

Cambridge
1105 Mass. Ave. (617) 492-2300

This space donated by *The Tech*

Goodbye, tax forms. Hello, TeleFile!

This year, millions will file their tax returns by phone — using TeleFile, a free service from the IRS. The call is easy and refunds are fast. Check your mail for a TeleFile booklet.



Department of the Treasury
Internal Revenue Service
<http://www.irs.ustreas.gov>

This space donated by *The Tech*



SOME COMPANIES OFFER YOU THE SUN, THE MOON AND THE STARS.

WE'RE A LITTLE MORE DOWN TO EARTH.

As a new graduate, you will hear career promises from varied companies. Many will offer the opportunity to be entrepreneurial, innovative and creative. But take a good look. Do they have competitive products? Market demand? The resources and stability for the long run?

PairGain Technologies does. We are a world leader in the design, manufacture and marketing of High-bit-rate Digital Subscriber Line (HDSL) products and systems. We have been listed 9th by *Fortune* and 3rd by *Inc.* in their ranking of the country's fastest growing public companies. With annual revenues in excess of \$200 million and a 70% market share, our promise of a stellar future is a down-to-earth proposition. Put your engineering degree to work in one of the following areas:

- Analog and Digital Circuit Design Engineers
- Communications Systems Engineers
- Firmware Engineers
- Software Engineers
- VLSI Design Engineers

Find out more about our company by talking to us at the MIT Career Fair on Thursday, February 20, or during On-Campus Interviews on Friday, February 21. (Please sign up in advance at Career Services for On-Campus Interviews). Or if you're unable to meet with us, please forward a resume to: PairGain Technologies, Inc., Human Resources Dept.-KP/MIT, 14402 Franklin Avenue, Tustin, CA 92780; fax: (714) 730-3199; e-mail: hr@pairgain.com. Equal Opportunity Employer.



<http://www.pairgain.com>

Mac and PC Fans!

Here's a Great Student Job at MIT

The Computing Help Desk is now hiring student consultants to provide telephone, walk-in, and on-line support for the MIT community during business hours (9-5). Training begins in March. A **mandatory orientation session** for interested candidates will be held from 5:15-6:45 PM on Tuesday, Feb 18th in room 6-120.

If You:

- ...are comfortable with...
Macintosh or DOS/Windows
some major applications and utilities
electronic mail
on-line resources
MITnet
- ...and you can...
communicate well
handle crisis situations
- ...and you enjoy...
working with people
teamwork
troubleshooting problems
getting to the bottom of things
- ...and you are...
reliable
bright
friendly
determined

The Job:

- ...includes 7 hours or more per week of:
troubleshooting cases over the phone
providing help for walk-in clients
attending weekly training meetings
developing on-line resources
mentoring new student consultants
TA-ing computer training classes at MIT
helping with equipment diagnosis
providing "housecalls" for clients

- Benefits include...
- lots of perks
 - competitive salary (starting at \$8.00/hr)
 - access to lots of equipment and software
 - a fun group of coworkers
 - attendance at local computer exhibitions parties!!!

Preference will be given to those who can work mornings.

If you are interested in a position with us, please bring the following to the orientation session, and be ready to sign up for an interview:

- 1.) Your name, contact info (phone numbers, address, etc.), and date of graduation.
- 2.) Names and phone numbers of at least 2 references. (preferably employers or faculty)
- 3.) Your up-to-date resume.

Direct any questions to Alicia Allen, helpsuper@mit.edu

Faculty Will Speak at Special Dinners for Honorees

Burchard, from Page 1

opportunity to discuss a wide variety of issues and topics with the other Burchard Scholars and not "just eat amazing dinners."

Busza is a biology major and wrote her application essay on archaeology.

"It's a good opportunity for MIT students who share both an interest and a competency in the humanities to discuss academic-type issues with professors that we normally

wouldn't talk with," said Rishi Shrivastava '98.

The program is worthwhile because it gives students a chance to get to know faculty members, he said.

Shrivastava is a management major interested in writing.

"I'm glad that there's something like this for the humanities. It gives us a chance to go beyond engineering," said Aalok B. Shah '99. It is a "chance to break out of the mold."

Shah is majoring in computer

science and hopes to minor in history.

Faculty to speak at dinners

A series of dinners are the focal point of the Burchard Scholar program, Khoury said. Featured speakers present their work at the dinners, and the students have an opportunity to discuss humanities, arts, and social science issues with each other and the speakers.

Speakers over the next semester will include Associate Professor of

Economics Jonathan Gruber, Chair of the Faculty and Professor of Urban Studies and Planning Lawrence S. Bacow '72, Assistant Professor of History of Science Evelyn M. Hammonds, and Professor of Music John H. Harbison.

The junior awarded the 1997 Burchard Scholars are Susan E. Born '98, Daniel A. Freedman '98, Megan L. Hepler '98, Adrian P. Lingaya '98, Aidan N. Low '98, Amy Ly '98, Jennifer A. Pinson

'98, Valaiporn J. Rusmintratrip '98, Maya R. Said '98, Lydia Sandon '98, Elizabeth C. Schofield '98, Shrivastava, Robinanne J. Stancavage '98, Amy Towfighi '98, and Farhan H. Zaidi '98.

The sophomores honored are Busza, Emily B. Cooper '97, Maitreya J. Dunham '97, Matthew J. Herper '97, Irene K. Kim '97, William M. Leblanc '97, Kalpana L. Mani '97, Nicholas A. Mathewson '97, Christopher H. Rohrs '97, Shah, and Katherine M. Spayde '97.

Great Weekend Escapes for as low as \$109 from MasterCard and United Airlines!

Take Off For The Weekend With United Airlines And Return The Following Monday Or Tuesday To Get Substantial Savings When You Use Your MasterCard® Card.

Weekender Zone Fare Certificate



Roundtrip Rates

Within Zone A or B	\$129 roundtrip
Between Zone A & Zone B	\$189 roundtrip
Between Zone A & Zone C	\$269 roundtrip
Between Zone B & Zone C	\$189 roundtrip
Within Zone C	\$109 roundtrip

Not valid for travel to/from IL/CO/AK/HI.

To enjoy these low Weekender Zone Fares - plus earn Mileage Plus® credit on your trip - just call your travel professional or United to reserve your flight and redeem your certificate.

To receive these savings, use your MasterCard® card to purchase an E-Ticket™ between Feb 1, 1997 and May 15, 1997 for travel between Feb 15, 1997 and June 6, 1997. **Outbound travel** good on flights departing on Saturday. **Return travel** good on flights returning the Monday following departure (An exception for travel between zones A-C, **Return travel** may also be on the Tuesday following departure).

Zone Definitions:

Zone A - AL, AR, CT, DC, DE, FL, GA, IA, IN, KY, LA, MA, MD, ME, MI, MN, MO, MS, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT, WI, WV
Zone B - ID, KS, MT, ND, NE, NM, OK, SD, TX, UT, WY
Zone C - AZ, CA, NV, OR, WA

Not valid for travel to/from IL/CO/AK/HI.

Use Your MasterCard® Card For Great Savings On United Airlines.

To make reservations, call United at 1-800-241-6522 or your travel professional. Please reference Weekender Zone Fare Certificate AV0027.

TERMS AND CONDITIONS:

Promo Code: AV0027

Valid Carrier: United Airlines/Shuttle by United/United Express.

Valid Routing: Roundtrip travel must begin and end in the 48 contiguous United States (IL/CO/AK/HI excluded). All travel must be via the routes of UA in which UA publishes Economy Class fares. One way travel/stopovers/circle trip/open segments/waitlisting/standby are not permitted. Open jaw permitted. (IL and CO excluded as origin/destination; however, connections through CHI/DEN are permitted.)

Valid Ticket Dates: Feb 1 through May 15, 1997.

Valid Travel Dates: Feb 15 through Jun 6, 1997. All travel must be complete by Jun 6, 1997.

Blackout Dates: 1997: Mar 22, 29, Apr 5, 12. Outbound travel must be on flights departing on Saturday, with return travel on flights the Monday following departure, or the Tuesday following departure if the passenger is traveling between zones A-C.

Class of Service: V class. (Seats are capacity controlled and must be available in the required booking inventory at the time reservations are confirmed.)

Advance Purchase: Within 24 hrs of making reservations, at least 14 days prior to departure.

Min/Max Stay: Saturday-night stay minimum. RETURN TRAVEL MUST BE THE IMMEDIATE MONDAY FOLLOWING DEPARTURE; AN EXCEPTION FOR TRAVEL BETWEEN ZONES A-C, RETURN CAN ALSO BE THE IMMEDIATE TUESDAY FOLLOWING DEPARTURE.

Mileage Plus Accrual: Discounted travel is eligible for Mileage Plus credit.

Ticketing: E-Ticketing only (electronic ticketing service).

Taxes/Service Charges: All fees, taxes and surcharges including Passenger Facility Charges (up to \$12) are the responsibility of the passenger and must be paid at time of ticketing.

Cert Restrictions: Certificate is required for discount and must be presented at time of ticketing. Accept original certificate only. Non-extendible, non-combinable with other air travel certificates or discount fare offers (Mileage Plus awards/SilverWings awards/convention/group/tour/senior citizen/student/child/travel package/travel industry discount/military/government/joint/interline/wholesale/bulk).

not replaceable if lost or stolen. No cash value; may not be sold or bartered. Protection for flight irregularities will be on United/United Express/Shuttle by United flights only. Discount applies to new purchases only and will not be honored retroactively or in connection with the exchange of any wholly or partially unused ticket. One ticket per certificate redeemed. Void if altered or duplicated.

Ticketing Restrictions: Non-refundable. Non-transferable after ticketing. Change in origin or destination is not permitted. Tickets MAY BE revalidated for a \$50 per ticket fee.

©1997 MasterCard International Incorporated

Agency Ticketing Instructions: See S*PMA/AV0027 for detailed information

1. Treat as Type 'A' Discount Certificate

-Use Fare Basis Code: VE14NSTU

VE14NSTD (zones A-C)

-Use Ticket Designator: AV0027

-Endorsement Box: VALID UA ONLY/Non-Ref/No Itin Changes

2. Refer to ARC Industry Agents' Handbook; section 6.0 for details.

3. Failure to comply with promotion guidelines could result in debit memo.

UAL ATO/CTO Ticketing Instructions: See S*PMO/AV0027

UNITED AIRLINES

MasterCard

8 016 5003000045 7

©1997 MasterCard International Incorporated

E-mail Attacks May Be Difficult to Stop

E-mail, from Page 1

enced by Athena users in sending mail, an influx of malicious e-mail messages is causing problems for those using e-mail clients like Eudora and TechMail.

"Occasionally, places from outside MIT have been spamming MIT and other sites," said Alicia L. Allen, a consultant at the IS computer help desk. These incidents are considered attacks, she said.

MIT's main e-mail server, which runs at mit.edu, crashed four times during the last week as a result of the attacks, said Thomas J. Coppeto, a systems programmer for IS.

As a result of these attacks, the e-mail servers become overloaded and "prevent people from connecting and sending mail," Coppeto said. The problem mainly affects Eudora and TechMail since these clients do not attempt to use servers other than mit.edu, which has been the main point of outside attacks.

Possible solutions to this problem includes automatically filtering mail to remove messages intended to be an attack. "We are getting much better at detecting mail bombs to see that they don't... cause an outage," Coppeto said. Filtering is problematic, though, since legitimate e-mail could be removed unknowingly, he said.

Future versions of Eudora that support multiple servers could reduce the problem, Coppeto said. "We're going to change the operating system and hopefully make this problem go away," he said.

E-mail will not be lost as a result of these problems, Coppeto said. "We guarantee that mail is delivered or in case of failure, bounced to the sender," he said. This is only possible as long as the header is intact, he added.

E-mail "might get delayed up to two hours" as a result of the problem, but it will not be lost, Allen said.

what film?

"OH GOD I HOPE THEY BRING BACK ELVIS"

find out at council

New York one way \$70
Cancun one way \$130
Florida one way \$70

All the Legal Travel ***# applies

Council Travel

273 Newbury St. 617-266-1926
12 Eliot St., 2nd Floor, Cambridge 617-497-1497
MIT Student Center W20-024, 84 Mass. Ave. 617-225-2555

travel: real life flicks!

FIFTY 3-D REASONING PROBLEMS

Order the CUBE5 Three Dimensional Reasoning Puzzle. Test your thinking skill solving three dimensional piece fitting problems. Different selections of the ten wooden pieces make a 3x3x3 cube, 2 1/4 inches on a side, or specific problem shapes. Fifty puzzles in the 16 page Puzzle Booklet. CUBE5 is \$25 plus \$5 S/H. (MA residents 5% sales tax.) Call 800-298-4947 or send a check. Receive a catalog of our other puzzle systems with your order.

Organized Thinking, 220 Boylston Street, Newton, MA 02167 mit2

ALPHA EPSILON PHI

NIGHT AT THE IMPROV

Feb. 15 at 8pm Kresge

AVOIDING A TICKET IS A SNAP

U.S. Department of Transportation
"Vince & Larry" ©1985 U.S. DOT.

YOU COULD LEARN A LOT FROM A DUMMY.®

This space donated by *The Tech*



Happy Birthday, Eva!
From everyone at the GSC

"WONDERFULLY WICKED!"
SUSAN GRANGER, CRN INTERNATIONAL & AMERICAN MOVIE CLASSICS

"ACE PERFORMANCES..."
GRAHAM FULLER, INTERVIEW MAGAZINE

"SMART AND FUNNY!"
JEFF CRAIG, SIXTY SECOND PREVIEW

"SCHRADER'S BEST!"
ROBERT HÖFLER, BUZZ MAGAZINE

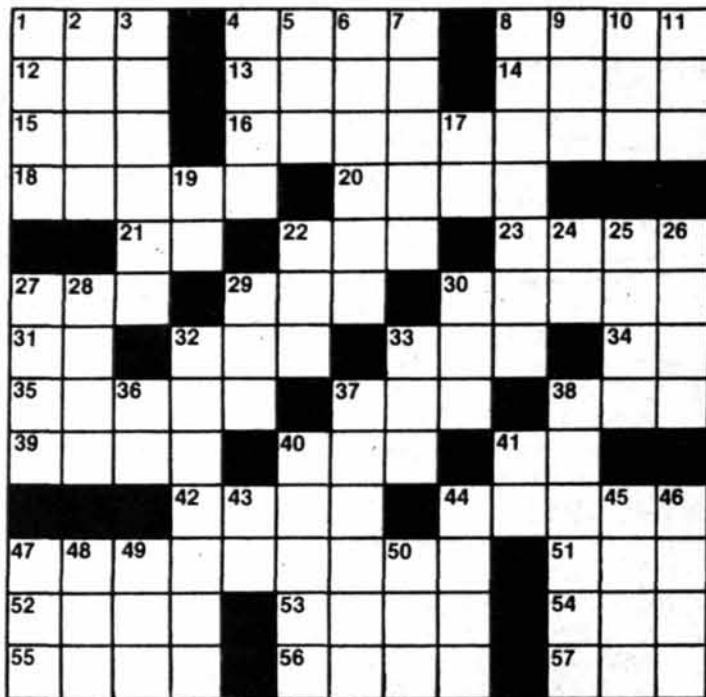
bridget FONDA christopher WALKEN skeet ULRICH and tom ARNOLD
gina gershon lolita davidovich paul mazursky janeane garofalo

TOUCH
A gripping comedy.

LUMIERE INTERNATIONAL PRESENTS A LILA CAZES PRODUCTION OF A FILM BY PAUL SCHRADER BRIDGET FONDA CHRISTOPHER WALKEN SKEET ULRICH AND TOM ARNOLD "TOUCH" GINA GERSHON LOLITA DAVIDOVICH PAUL MAZURSKY MUSIC BY DAVID GROHL COSTUME DESIGNER LLEWELLYN WELLS EXECUTIVE PRODUCER ELMORE LEONARD PRODUCED BY LILA CAZES AND FIDA ATTIEH

RESTRICTED UNDER 17 REQUIRES ACCOMPANYING PARENT OR ADULT GUARDIAN

STARTS FEBRUARY 14 AT SELECT THEATRES



ACROSS

- 1. Pork
- 4. Asterisk
- 8. Nothing more
- 12. Collection of materials
- 13. Fork prong
- 14. Press
- 15. Office holders
- 16. Remove
- 18. Recover
- 20. Not yours
- 21. Position upon
- 22. Rug
- 23. Measured quantity
- 27. Picnic pest
- 29. Pass between two peaks
- 30. Fast
- 31. In the event that
- 32. Place for bathing
- 33. Sun
- 34. Midwestern state (abbr.)
- 35. Station
- 37. Cat sound
- 38. Place
- 39. Change
- 40. Female hog
- 41. Near
- 42. Climb down
- 44. Likeness
- 47. Gradual process
- 51. Fancy shooting marble
- 52. Acute angle
- 53. Always
- 54. Relationship with (suf.)

- 55. Prepared golf ball
- 56. Withered; dry
- 57. Vehicle

DOWN

- 1. On one's head
- 2. Feminine name
- 3. Good luck symbol
- 4. Walk
- 5. Sesame plant
- 6. Beast
- 7. Cancel a penalty
- 8. Element
- 9. Period of time
- 10. Decompose
- 11. Direction (abbr.)
- 17. Officeholder
- 19. Indefinite article
- 22. Unruly crowd
- 24. Newsgathering organization (abbr.)
- 25. Duration
- 26. Prepare for publication
- 27. Helper
- 28. Want
- 29. Slice
- 30. Aline
- 32. Added
- 33. Mend
- 36. 16th Greek letter
- 37. Reason
- 38. Electricity
- 40. Place of an event
- 41. Be

- 43. Symbol for lutetium
- 44. In the case of (2 words)
- 45. Festive occasion
- 46. Large pitcher
- 47. Time zone (abbr.)
- 48. Compete
- 49. Unit
- 50. Over (poetic)

PUZZLE SOLUTIONS FROM LAST ISSUE



SOLUTIONS IN THE NEXT EDITION OF THE TECH

Go see the latest movies for free and let us all know what you thought in *The Tech's* Arts pages! Call us at 253-1541 and ask for David, or send e-mail to arts@the-tech.mit.edu.

Second in a series.

THE PURPOSE OF EDUCATION

We begin our education believing that the facts we learn and the technologies we master are the foundations for our careers.

But changes in careers are common and technologies become obsolete quickly. In fact, alumni records show that is likely for many of us to work in multiple fields or to change fields entirely. We may also move from Engineering and Science into non-technical areas such as Marketing or General Management.

The ability to do excellent work in a range of fields and to meet diverse challenges with clear bold thinking and creative solutions is the hallmark of a good education.

However, to work effectively in fields that are new to us, we cannot rely on facts and technologies that may have become obsolete or are not applicable; we must depend on fundamental thinking and problem solving skills that are effective in any discipline and in working on virtually any type of problem.

These skills are analogous to the basic skills, strength and coordination that a superb athlete will learn in preparation for a lifetime of competition, skills that will serve him or her in a variety of different sports.

For the scientist or engineer the heart of the learning process is finding and solving interesting problems. This is as true if the subject is Quantum Physics as it is in managing a company. With proper mentoring, the mental struggle of dealing with a difficult and important problem results in the development of mental skills that cannot be learned in any other way and that are applicable to a wide range of new situations.

The skills we learn are an acute ability to observe all aspects of a problem, to integrate a wide range of knowledge, to analyze in depth, to obtain insight, to find creative solutions, and to rigorously test the solutions.

These problem solving skills are taught by a fine teacher no matter what the subject. For maximum benefit the student must realize the importance of these skills to his or her education and must consciously focus on developing them not only in every course in college but over a lifetime of learning.

For more information, please contact Lyn Van Huben,
Bose Corporation, The Mountain, Framingham, MA 01701-9168.
Fax: (508) 820-4865.



WHEN DRINKING,
CALL A FRIEND.

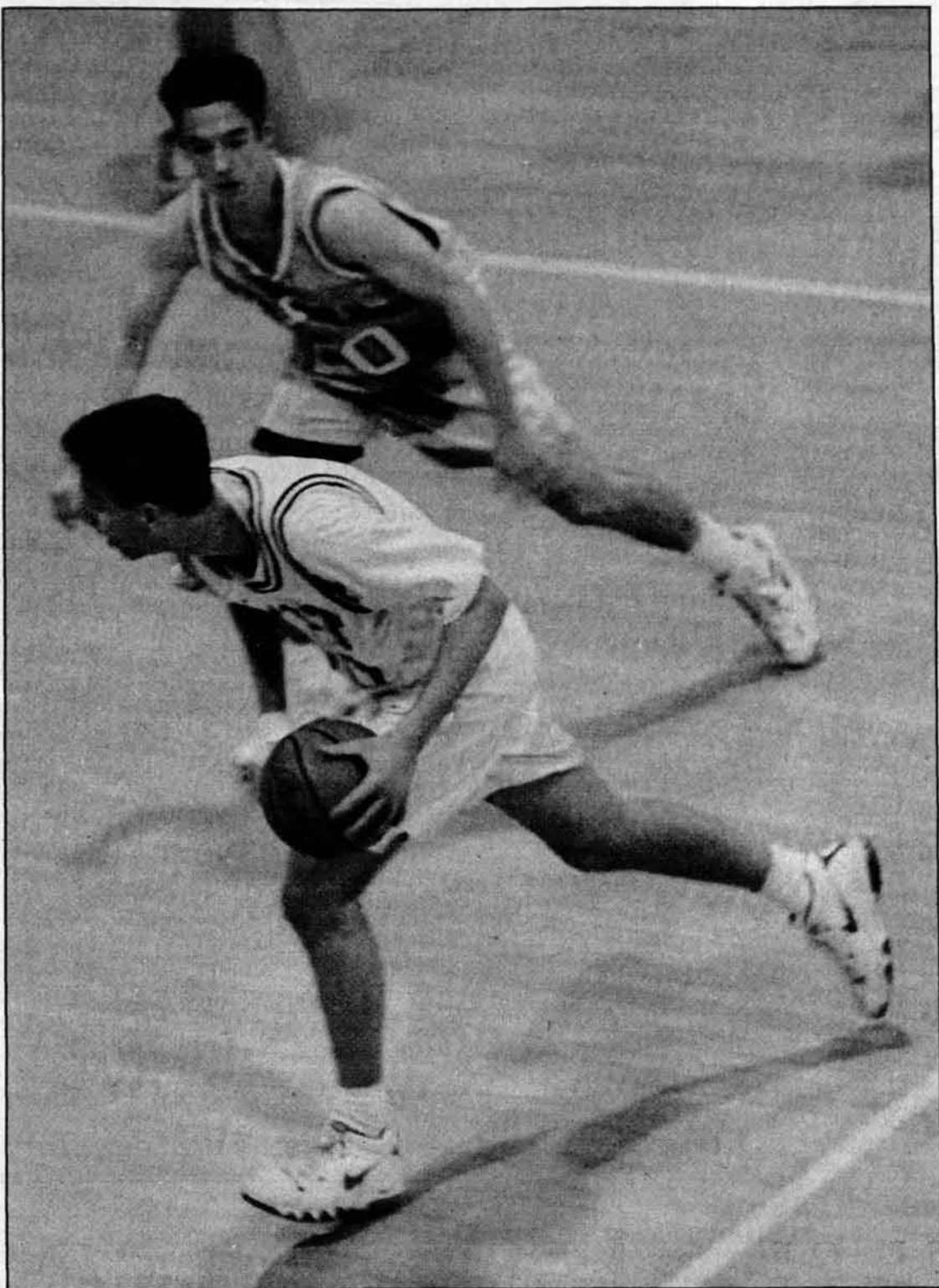
OR GET A RIDE
WITH A
STRANGER.



Drinking and riding can lead to a loss of license, a conviction, or even worse. When you drink, get a ride with a friend. It's the best call you can make.

MOTORCYCLE SAFETY FOUNDATION





INDRANATH NEOGY—THE TECH

John Schaeffer '00 dribbles past a Tufts University player in the game on Tuesday. MIT lost 62-47.

Turnovers by Men's Basketball Lead to 62-47 Defeat to Tufts

By Martin Duke
STAFF REPORTER

The men's basketball team's season-long nightmare continued as they fell to the strong Tufts University Jumbos 62-47 Tuesday at Rockwell Cage.

The key to the game was turnovers, with the Engineers committing 23 to Tufts' 14. MIT also seemed to turn over the ball at the most inopportune times, stopping runs and feeding those of Tufts. Eric Lindauer '98 and Kareem Benjamin '97 were responsible for seven and six, respectively, although Benjamin more than redeemed himself by turning in a game-leading 26 points (11 for 17) and 10 rebounds, second only to the 13 boards by John Miller '98.

Benjamin's contribution was even more significant considering the continuing injury to center Godfrey Inniss '98 and the uncharacteristically punchless Melvin Pullen '98, who

did not score till 6:19 had passed in the second half. Pullen still finished with nine points and nine rebounds.

With Inniss' absence, the Engineers had a great deal of difficulty penetrating to the basket, but they still managed to shoot at a .380 clip, similar to the Jumbos' .361.

The problem, however, was taking shots, as the crowd implored the Engineers to shoot when they continually passed the ball around the perimeter, looking for the nonexistent interior lane, as precious time ticked away. Tufts outshot the Engineers 61-50.

While fouls were not as much of a problem as they were earlier in the season as no one threatened to foul out until late in the game, Tufts shot from the line 25 times to provide the rest of the margin of victory.

After a quick 9-3 opening by Tufts, the Engineers closed the gap to 12-11 after 10 minutes had

passed with a nice look underneath by John Fluker '97. A few key turnovers, however, had extended the lead to 30-22 at the half.

At that point, the outcome was very much in doubt, but a 17-8 run by Tufts to start the half appeared to seal the result with 9:22 to play. Although the lead climbed to as high as 20, the Engineers rallied in the closing minutes to make the final score 62-47.

Although Benjamin became the main story by scoring half the team's points, Lindauer and Pullen both finished with 4 assists. The highest scoring Tufts player was Dan Ragsdale with 15.

With the win, Tufts improved to 13-3 while the Engineers sink to 1-19. They have five more chances to improve their 0-10 conference record. Their next home game is on Saturday against Western New England College.

Barrie Ltd. At the Boston Park Plaza Hotel
72 Arlington St. 423-5660
Booters Since 1934
New Haven • W. Hartford • Boston
INTRODUCTORY OFFER
TAKE 10% OFF
OUR LOWEST
TICKETED PRICE
W/ THIS AD
EXPIRES 15 MAR '97
DEPT. MIT

•Waterproof Boots
•Hand-Made Dress Moccasins
•Genuine Shell Cordovans
•English Dress Shoes
•Sizes 6 to 15 widths A to EEE

Spring Break '97 Bahamas
FROM \$379
Round Trip Air.
Seven (7) nights lodging at choice hotel.
Welcome party with complimentary island beverage.
Beach parties, FREE food, FREE drinks and more.
Exclusive FREE or discounted admission to Nassau's hottest clubs.
Plus much, much, more...

FREE Exclusive VIP Party program (\$150 value) Call for Details

Ask about our FREE trip and commission plan Earn a FREE Trip

Call now for complete details: 1-800-9-BEACH-1

Q Audio
Your Complete Stereo Store @ MIT
•Sales •Service •Delivery •New/Used
SONY. Paradigm NAD NHT
http://www.qaudio.com 95 Vassar St. 547-2727
M-F 10-8 Sat. 10-6 Sunday-Ah! Rest

Freeing the World to Do More with Information

So You Can Do More With Your Future.

Information is the intellectual stock of today's business world. A business can either build strategies and technology around the power of information, or lose ground to the competition. EMC was front and center in proposing that information storage technology do more. In just five years, we've elevated storage from a commodity to a strategic technology pillar. This major technological achievement has elevated EMC to a position of strength as the world's leading provider of independent storage solutions. Our intelligent disk arrays, software products, and services are the leading information access and enterprise storage solutions for every major computing platform in today's business environment.

So while you're turning your attention to career opportunities, focus in on EMC's fast-paced, team-oriented, dynamic environment:

- Software Engineering
- Information Systems
- Human Resources
- Hardware Engineering
- Manufacturing/Operations
- Marketing
- Customer Service
- Finance
- Sales

Please visit us on-campus on Monday, 2/17 in Room 4-149 from 6:00pm to 8:00pm.

To apply, forward your resume to: Human Resources, University Recruitment, Code CXR, EMC Corporation, Hopkinton, MA 01748-9103; Fax: (508) 435-8884; E-mail: university_emc@isus.emc.com (ASCII format only). Web: http://www.emc.com. EMC is an equal opportunity employer that values the strength diversity brings to the workplace.

EMC²
THE STORAGE ARCHITECTS

Student Center, Room 403 ✓ 253-1541

Tired of waiting in line to get into MIT sports events?

Then join The Tech's Sports department and get press passes! Just stop by our office or give us a call and ask for Erik.



SPORTS

Men's Volleyball Finishes Third In Roger Williams Invitational

By Thomas Klemas
TEAM COACH

On Saturday, the men's varsity volleyball team finished third place in the Roger Williams University Invitational, challenging strong Harvard University and Roger Williams teams along the way.

The Engineers started the day by defeating Ramapo College 3-0 to earn a spot in the playoffs.

This match, highlighted by an impressive above 30 team hitting percent, really kindled spirit in the players. By the end, the team was in a groove, and Hans Robertson '99 had stepped up to his new role as right-side hitter, with some key blocking of the opponent's left-side hitters that continued throughout the day.

This provided some flexibility to utilize the versatility of James Hsiao '99, who provided backup in the outside hitter, right-side hitter, and back row specialist positions. Stanley Hong '99, who began training for the setter position only a few months ago, also turned in a very strong performance in a new role.

The next match was against long-time rival Harvard, which defeated MIT 3-0 on Feb. 5. That earlier match was exciting as the varsity played very well in the first game, losing 15-12. However, the Engineers quickly lost confidence and lost the next two games.

The weekend's matchup was even closer. Despite missing several important players, the team took a game from Harvard and then rallied in the fourth game to a 11-3 lead. At this point, the Engineers got stuck for four straight points in its toughest rotation, a two-hitter rotation. The team had no more substitutions, as injuries and unexpected

fraternity involvements of various team members had only allowed eight players to travel to the tournament. Still, the varsity had two timeouts. However, even that was not enough to break Harvard's momentum, despite a valiant effort.

Although MIT lost, there were some positives from the match. Harvard played really well, and the Engineers played its best to date, forcing the Harvard team to use both timeouts and all its allowed subs to regain momentum. In particular, Mike Margetts '97 was an offensive force with some hitting

percentages above 50 percent in the earlier match. This performance earned him All-Tournament honors.

Captain David Lehman '97 was a close second, passing extremely well and hitting very well from both the front and back row. Middle hitter Charles Morton '97 and outside hitter Jesper Jensen '97 added to the team's top performance with strong play as well.

In the Engineers' third and final match, the team lost to an extremely strong Roger Williams team 0-3 in the semifinals of the tournament to finish in third place for the day.

Women's Basketball Drops One to Babson

By Martin Duke
SPORTS COLUMNIST

The women's basketball team played a close strong game against the Babson College Beavers but were defeated 76-71 at Rockwell Cage on Tuesday.

The loss was disheartening for an Engineer team which has had a solid non-conference season (8-6) but now has fallen to 1-3 in one of the toughest Division III conferences in the country.

The story was blazing shooting: the Engineers shot a very impressive 53.7 percent (29-54) but fell to a team that was less proficient (44.4 percent) but put up 72 shots. Strong performances were turned in by Sarah Davis '97 (7 for 9, 20 points), Heather Lukacs '00 (5-7, 13), and Katie Spayde '99 (8-15, 19).

Just as Amy MacKay '97 had huge nights when Davis has been

quiet, the reverse was true Tuesday. Davis' evening, which included a five for seven night from the line, seven assists, and three steals, offset forward MacKay's four-point performance. Even so, MacKay had a big eight rebounds to lead the game. All four players mentioned, however, had at least four fouls (MacKay fouled out very late), and that may have had an impact down the stretch.

The Engineers had difficulty keeping possession of the ball. Babson held a 29-14 advantage over MIT in turnovers. Davis, Spayde, and Lukacs together exceeded the total of the entire Babson team.

The rebounding was strong, as the Engineers were out-rebounded 40-38. Besides MacKay's eight, Lukacs had six and both Spayde and Davis had five.

After one half of play Babson led 33-28, thanks to a 10-point difference in shots attempted. In the second half, MIT shot a blistering 61.3 percent from the floor, but again didn't shoot as much as Babson, who were never over 60 percent but took advantage of all those turnovers. However, the second half was fought to standstill, and the first-half margin was preserved at 76-71.

There are three more conference games for the women, including a home match on Feb. 22 against Mount Holyoke College.

Basketball Players Receive Conference Weekly Honors

By Roger Crosley
SPORTS INFORMATION DIRECTOR

Two MIT basketball players have been honored for their play in last week's contests.

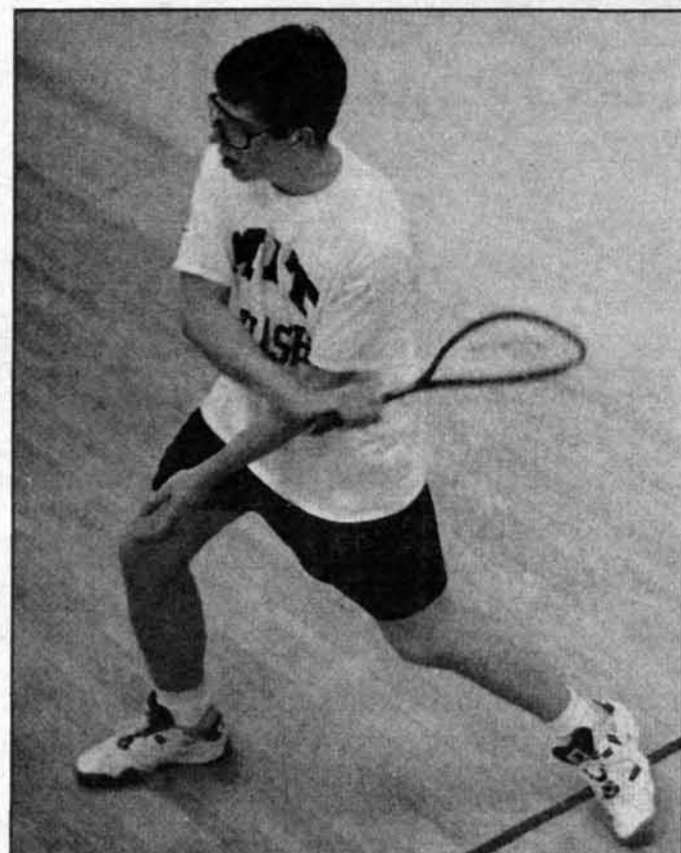
Sports Shorts
Senior guard Sarah Davis '97 was named to the Eastern College Athletic Conference New England Division III Weekly Honor Roll for her play in a victory over Wheaton College, the first since the 1986-87 season, and a loss to Worcester Polytechnic Institute. Davis averaged 17 points and seven rebounds while also dishing out nine assists.

Men's basketball player honored

Melvin Pullen Jr. '98 was named the Constitution Athletic Conference co-Player of the Week for his play in losses to Connecticut College and Springfield College. Pullen averaged 18 points and 10.5 rebounds in the two games. The junior forward also handed out seven assists.

Margetts makes all-tourney team

Middle hitter Mike Margetts '97 from the men's volleyball team was



AHMED AIT-GHEZALA—THE TECH
Jonathan Goldman '98 serves against Tufts University in a squash match on Feb. 5. MIT won 9-0.

Alpine Skiers Improve To Maintain Standings

By Jonathan Shefftz
HEAD COACH

The men's and women's alpine squads of the ski racing team completed their fourth of five regular season race weekends this past Saturday and Sunday. The women recorded their best finish of the season, and the men matched their prior finishes.

After some minor training inconveniences from the first week of classes, the Engineers journeyed to Ascutney Mountain, Vt., for the race, which was hosted by Boston College. The weekend's weather featured frigid morning temperatures, followed by sunny skies that warmed up the skiers but still allowed the snow to stay hard yet "grip-able."

However, even perfect conditions and well-set courses couldn't make the "Screaming Eagle" race hill easy for the slalom.

"This is crazy," said Dave Kurd '98 upon his morning course inspec-

tion. "It's flat, then as steep as Tuckerman [Ravine, on Mt. Washington], then flat again."

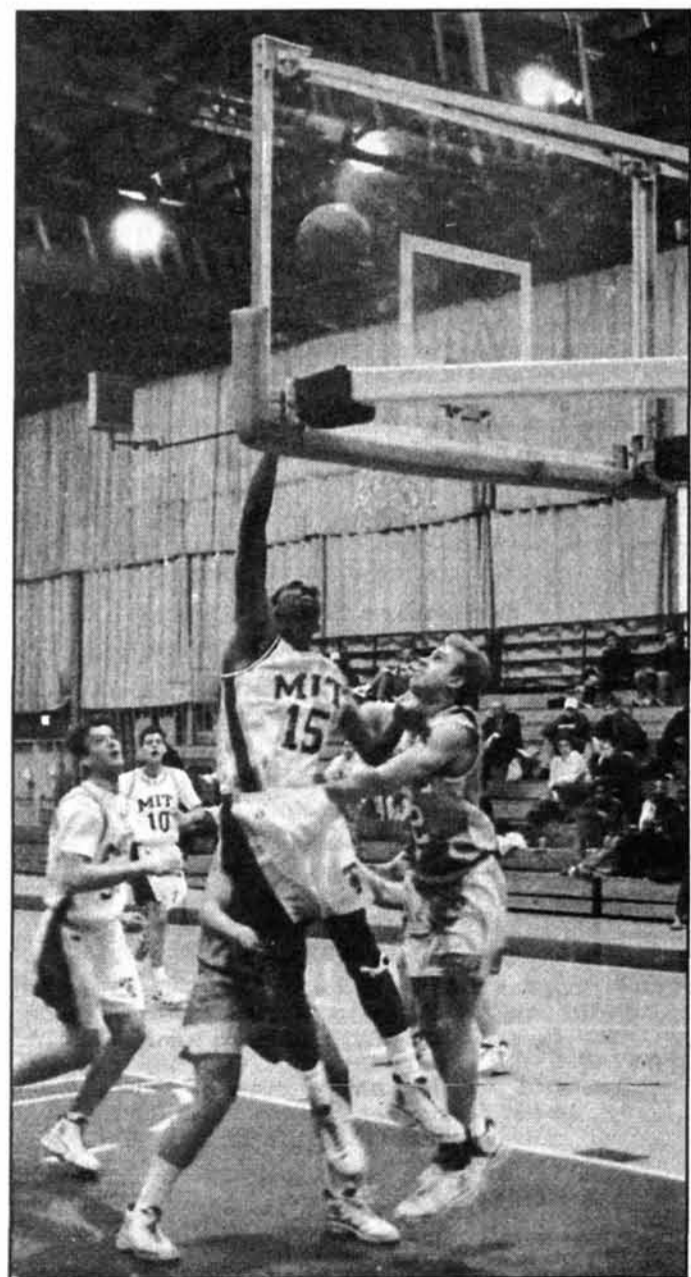
The steep midsection took its heavy toll, with many hooked tips, straddles, crashes, and missed turns. Once the snow sprays had settled, the women found themselves with the bare minimum three finishers for scoring: Brookie Baker '99, Chrissy Hartmann '98, and Marjorie Rosenthal '98. This also marked the fourth straight slalom race in which Hartmann had scored for the women, which helped them to take their usual eighth place, ahead of Trinity College and the University of Connecticut.

For the men, co-captain Geoff Johnson '97 and Mike Protz '97 took 24th and 28th places respectively, and were followed by Kurd, Sean Lavin '97, and co-captain Nate Kushman '98. For the fourth time in four slalom races, the men took sixth, and, as usual, finished ahead of UConn and Trinity. This time, though, the team also beat out Brown University.

For the giant slalom on Sunday, Baker led the women with an 11th-place finish, followed by Hartmann and Valentina Sequi '97. This put the women's team in a first-ever seventh-place team finish, ahead of Trinity, UConn, and St. Anselm's College.

Despite the men's many crashes and missed turns, they did hold on to take their usual seventh place, with scoring finishes from Kurd, Ryan Maupin '00, Kushman, and Dan Zelazo '99.

The alpine team returns for their final race weekend, hosted by Smith College, at Berkshire East Ski Area. The women look to cement their eighth-place standing and possibly edge out seventh-place St. Anselm's in at least one of the races. The men look to solidify their seventh-place standing and better their typical sixth- and seventh-place finishes in the slalom and giant slalom.



GREG KUHNEN—THE TECH
John Fluker '97 scores for MIT against Tufts University on Tuesday. MIT lost 62-47.

UPCOMING HOME EVENTS

Saturday, Feb. 15

Men's Basketball vs. Western New England College, 1 p.m.
Men's Hockey vs. Central Connecticut State University, 2 p.m.
Men's Indoor Track and Field in the New England Division III Championships