

AARON ISAKSEN

Michael Moschen, a world-renowned juggler, spoke in Kresge Auditorium Thursday about the development of his art.

## Career Fair Begins Recruitment Season

By May K. Tse  
STAFF REPORTER

The Class of 1999 Career Fair, held today in Johnson Athletic Center from 10 a.m. to 3:30 p.m., marks the beginning of the career fair season for this academic year.

"Last year they had 143 companies so in terms of sheer numbers we definitely have a lot more companies coming, about 195 companies and organizations," said Pooja Shukla '99, president of the senior class.

"One of the things we should emphasize is that the career fair is a lot more diverse than it has been in the past years. We don't just have the traditional companies that come each year," Shukla said, stating that besides engineering, investment banking, and consulting firms, the class council also worked with the Biology Undergraduate Student Association to get biotechnology companies to attend.

Shukla said that other non-traditional organizations are participating as well. "I was in Washington, D.C. so we tried to get government agencies and organizations that don't normally come here to our fair. Also great for undergraduates is that there's going to be study abroad organizations represented as well. The career fair isn't about just finding jobs but also about finding resources so we're having career services there," she said.

With 195 companies in attendance, Shukla estimated that about \$95,000 will be raised for senior class events, such as a trip to a Celtics game, a movie preview night, a night at the Wang Center, and senior social hours.

### Other career fairs planned

In addition to today's career fair, later career fair plans are already in

Career Fair, Page 21

## Glut of Candidates Vie For Office in Freshman Elections

By Kevin Lang

Since Wednesday at midnight, the Class of 2002 has been voting via the web to select eight Undergraduate Association officers from a pool of thirty-seven candidates.

For the first time, a UA election is using a web-based ballot as opposed to the usual Athena-based

voting. The electronic ballot can be accessed at <http://ua.mit.edu>. Freshmen will be able to vote until Saturday at midnight, with results available by Sunday.

"Everyone who wants their views represented in the UA should take that extra minute on Athena and vote," said Jason Parris '02, a candidate for vice president. "The elec-

tions are largely going to come down to who takes the time to vote."

With the recent prominence of the housing choice issue in the MIT community, many candidates have made fighting the President Charles M. Vest's decision to house freshmen on campus a key issue.

In a campaign poster, presidential candidate Leah Schmelzer '02

states that housing choice "is one of the best policies that MIT has," and candidates for all positions seemed to agree. Though mandatory on-campus housing for freshmen will not directly affect the Class of 2002, it has become a major concern. While the UA does not have an official position on housing choice, many potential freshmen officers are

making their goals clear.

### Candidates focus on class unity

Aside from housing, freshmen candidates have cited increased class unity and more class events as primary goals. Dances, picnics, study-breaks, and fundraisers were

Elections, Page 24

## MIT Autonomous Underwater Vehicle Dives to Beat Competition in Florida

By Michael M. Torrice

The mission they chose to accept was to build an underwater vehicle that could navigate on its own.

In the process, a group of MIT students smoked its competition by garnering first place at the first annual International Autonomous Underwater Vehicle Competition held in Panama City, Fla. this summer.

At the competition, the vehicles had to travel a course in twenty minutes by passing through six gates and depositing a marker at the lowest point of a marked three by three meter area.

By passing through two of the six gates, the MIT secured first place at the competition. None of the three other teams, from Stevens Institute of Technology, the University of Florida, and Johns Hopkins University, could pass through the gates.

"[Designing the vehicle] combined the problems of building a robot while dealing with the problems of building a sub," said team member Seth O. Newburg '00. The ORCA-1, MIT's entry, was a five

foot long sub made of PVC [polyvinyl chloride] pipes. Filled with different sensors to measure depth and pressure, the ORCA-1 was controlled by a Pentium processor computer running Linux. The team communicated with the sub's computer via a radio link.

For the first three days of August, the ORCA-1 joined subs from three other universities for the competition. All four universities shared their solutions and even gave them a test run in the hotel pool. "All the teams were competitive, but they were all friendly and showed us their subs," Newburg said.

Leading up to the day of competition, two shifts of students worked on the ORCA-1. During the day, the programmers tried to refine ORCA-1's depth contour algorithm, which allowed the sub to navigate autonomously. At night, the mechanical team repaired any physical damage to the sub.

### Team faces glitches on contest day

Despite the work of the 17 team members, the competition day was not free of problems. The first problem the team encountered was with the sub's batteries. "It was the 6.270 problem... when the batteries were fully charged, the motors ran too

fast and the sub pitched downward," said Ara N Knaian '99. After running the motors for a bit, the battery problem was solved.

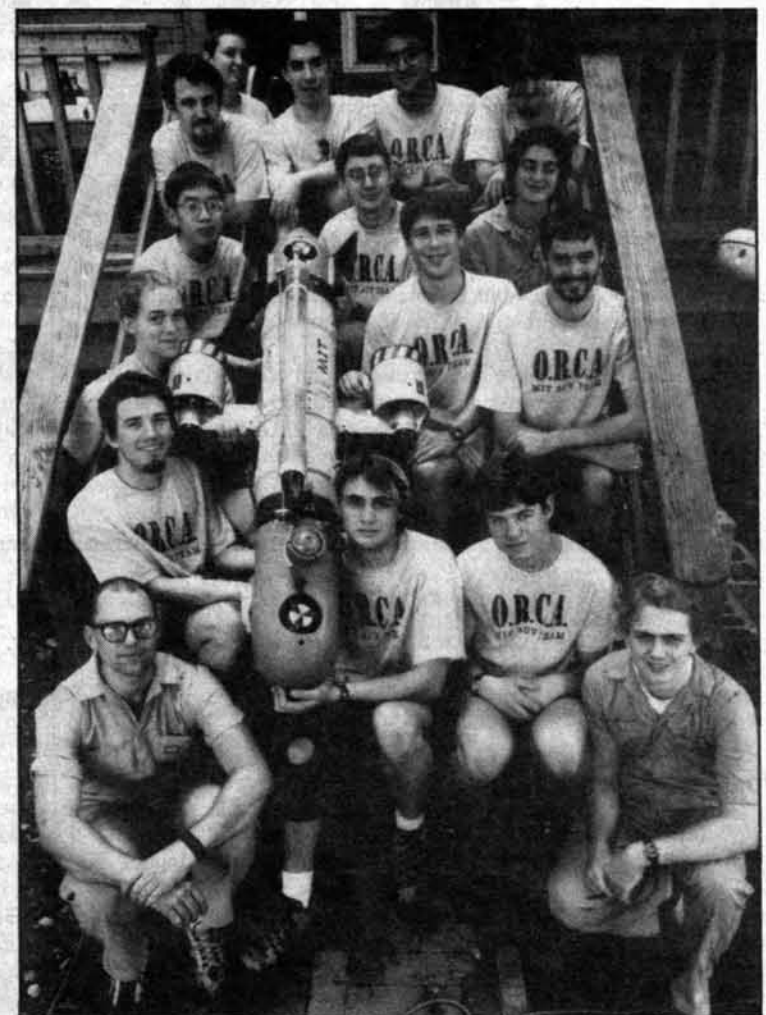
Once the ORCA-1 began to travel the course, another problem surfaced. The sub's computer would communicate to the team when it was about to enter a gate. This radio transmission interfered with a pressure sensor and caused the ORCA-1 to miss the gates. With five minutes remaining, the team commented out radio transmissions in the code and recompiled the navigation program.

### Students plan to compete again

The MIT team received a \$5,000 prize for their victory. They were also invited to watch real AUVs and speak with the engineers who designed them at a naval demonstration. The Navy is looking for subs like the ORCA-1 that would be capable of disarming mines and other tasks hazardous to humans.

With 11 months before next year's competition, the MIT team is looking to improve their designs. "I envision we will rebuild from the bottom up to get out the bugs," Newburg said.

Anyone interested in being a part of the 1999 ORCA-1 team should send e-mail to [orca@mit.edu](mailto:orca@mit.edu).



MICHELLE POVINELLI—THE TECH

Members of ORCA's team pose with their winning sub. ORCA-1 took first place in the first annual International Autonomous Underwater Vehicle Competition.

John M. Deutch '61 criticized the barriers between science and engineering at a lecture this week.



Comics

Prosecutors and court officials still don't know who will represent Phi Gamma Delta in court next week.

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# WORLD & NATION

## Iran Formally Disavows Death Edict on Author Rushdie

LOS ANGELES TIMES

WASHINGTON

The government of Iran, moving to resolve a longstanding source of friction between the Islamic nation and the West, on Thursday formally disavowed a decade-old death edict directed at "Satanic Verses" author Salman Rushdie.

The diplomatic breakthrough, in which Iran also distanced itself from a \$2.5 million bounty offered by Islamic conservatives, was clinched during a meeting in New York between Iranian Foreign Minister Kamal Kharrazi and British Foreign Secretary Robin Cook. Britain has been at the forefront of international efforts to resolve the Rushdie impasse.

"An extraordinary thing has been achieved," Rushdie exulted in an interview with Sky Television in London, where he has been in hiding since the death edict was issued by the Ayatollah Ruhollah Khomeini in 1989. "It means everything. It means freedom."

Tehran's action does not necessarily prevent individual Islamic extremists from acting on their own initiative against Rushdie, whose fictional portrayal of the prophet Mohammed in "The Satanic Verses" was regarded as blasphemous by many Muslims.

But officials in Britain and the United States — and Rushdie himself — expressed hope that Kharrazi's proclamation would be sufficient to allow the author to emerge from hiding and resume something resembling a normal life.

## India Indicates Aim to Complete Nuclear Test Ban Negotiations

LOS ANGELES TIMES

WASHINGTON

Under international pressure to curb nuclear tensions in South Asia, India indicated publicly for the first time Thursday that it aims to complete negotiations so a global nuclear test ban treaty can go into effect within a year.

But in an address at the U.N. General Assembly in New York, Indian Prime Minister Atal Behari Vajpayee did not actually promise to sign the accord, a key component of international efforts to end the nuclear arms race. His speech thus appeared more ambiguous than the pledge made Wednesday by Pakistan's prime minister, Nawaz Sharif, who said his country was "prepared to adhere" to the treaty as long as India refrained from further tests.

Vajpayee said only that India was "prepared to bring ... discussions" on the Comprehensive Nuclear Test Ban Treaty "to a successful conclusion" so the treaty can go into effect by September 1999.

## CIA Thwarted Bomb Plot Against Embassy in Uganda

THE WASHINGTON POST

WASHINGTON

American intelligence officers helped foil a plot last week by Islamic extremists to bomb the U.S. Embassy in Uganda, the most serious in an array of recent threats against American installations around the world, according to U.S. government sources.

Ugandan authorities alerted by the Central Intelligence Agency have detained 20 suspects in the case, including the two alleged ring-leaders, who were arrested last week when they tried to enter the country from Kenya. Those two men are believed to be associates of Islamic extremist Osama bin Laden, who is suspected of orchestrating last month's bombings of the U.S. embassies in Kenya and Tanzania.

American officials have investigated a flood of threats worldwide since the east Africa embassy bombings killed 265 people on Aug. 7. Thursday, German police deployed more than 100 officers to the consulate in Hamburg after receiving information from a "serious source" that a terrorist attack was imminent.

# House Inquiry May Expand Beyond Lewinsky Incidents

By Richard A. Serrano

LOS ANGELES TIMES

WASHINGTON

The House Republican who will preside over any hearings on the fate of President Clinton set a speedy timetable Thursday for opening a formal impeachment inquiry and announced that he may broaden his investigation to include matters beyond the Monica S. Lewinsky scandal.

Rep. Henry J. Hyde, R-Ill., said he expects his House Judiciary Committee to vote Oct. 5 or 6 and the full House to vote by Oct. 9 on whether to convene hearings to determine if Clinton committed perjury or obstructed justice in concealing his sexual liaisons with the former White House intern and, if so, whether he should be impeached.

But whether the House inquiry will expand beyond the Lewinsky matter depends on what the committee receives from the office of Independent Counsel Kenneth W. Starr, Hyde said. It could encompass other White House controversies — such as the Clintons' involvement in the Whitewater real estate development in Arkansas

before his presidency, irregularities with confidential FBI files and the firing of the White House travel office staff.

"We want to hear anything and everything — good, bad, indifferent, exculpatory, accusatory — that bears on the main question," Hyde said. "There may be other matters that we feel bear on the main question of the fitness of the president for this office."

At the White House, presidential spokesman Mike McCurry cautioned that the public may chastise Hyde for moving too quickly and unfairly and he warned that the committee's work so far has raised "quite legitimate concerns about the way in which politics intersects with these proceedings."

And House Democrats, who prefer public hearings before any inquiry is launched, decried the Hyde committee for not seeking testimony from Starr or Lewinsky before moving ahead with a full House vote.

"This is an effort to run out the clock before the election," charged Rep. Barney Frank, D-Mass., a leading Judiciary panel member.

"They're trying to make the president look bad and their side good. The Republican position is totally hypocritical."

Hyde announced the House timetable at a news conference in the Judiciary Committee room, flanked by two large portraits — one of himself, the other of former Rep. Peter J. Rodino, D-N.J., who chaired the committee during the Watergate scandal of the Nixon administration. Hyde's portrait had been unveiled only a day earlier.

"The reason I have called this meeting is for you all to admire the picture up there," he joked to reporters, a finger aimed at the painting of himself.

But the allusion was not lost on anyone. Republicans and Democrats have continually pointed to the Watergate hearings as a model for bipartisan action during an impeachment process.

Hyde and his boss, House Speaker Newt Gingrich, R-Ga., realize they need Democratic support for an impeachment review to overcome public opinion polls that give high ratings to Clinton and low ratings to GOP leaders in Congress.

# Florida's South Coast Prepares For Hurricane Georges' Arrival

By Mike Clary

LOS ANGELES TIMES

MIAMI

With millions of south Floridians hunkered down, many in boarded up homes well-larded with emergency supplies, a relentless Hurricane Georges began lashing the U.S. coastline with high winds and squally rains late Thursday.

Already blamed for more than 200 deaths in a rampage through the Caribbean, a rejuvenated storm was expected to cross the vulnerable Florida Keys early Friday with winds as great as 100 mph.

"This storm looks like it's all set to explosively intensify once the eye gets over water," Jerry Jarrell, director of Miami's National Hurricane Center, said as Georges moved off the north coast of Cuba in mid-afternoon. "I think we have a developing situation."

The first signs here of the massive storm swept through parts of greater Miami and the upper Florida

Keys near sunset.

Although no longer as powerful as the storm that destroyed homes, uprooted trees and caused massive flooding in Puerto Rico, Haiti, the Dominican Republic and Cuba, Georges was expected to pose a danger, especially to those who chose to ignore evacuation orders issued for the Florida Keys and low-lying areas of greater Miami.

"We're extremely concerned that the land areas will be inundated with water and we'll lose a lot of folks down there," Jarrell said.

But evacuation orders are not enforceable, and many Keys residents said they preferred to take their chances. "We got a full house, all locals trying to get one good meal in before a 9 o'clock curfew," said waiter Vinnie Bosco at the Harbor Lights Seafood Restaurant in Key West.

"We've taken all the precautions," Bosco said, "and now we're just waiting to see what happens."

Hurricane warnings were posted early Thursday for four south Florida counties, affecting 4 million residents, and five more counties along the state's Gulf Coast were under a hurricane watch. But the entire state remained on alert.

As winds rolled in, Miami International Airport canceled all flights in and out as of 9 p.m.

At Miami's Metrozoo, all but blown apart by Hurricane Andrew in 1992, animals were locked down inside their nighttime quarters. At cafes along Ocean Drive in fashionable south Miami Beach, sheets of plywood went up over the windows and awnings came down.

As winds in the Miami area picked up through the evening, Georges remained on a northwest course that would bring the eye of the storm over the Florida Keys early Friday with hurricane-force winds, while raking a broad area of south Florida with gales and heavy rains.

## WEATHER

### So-so Skies

By Marek Zebrowski

STAFF METEOROLOGIST

A weak ridge of high pressure will get established over the mid-Atlantic coast over the next few days. Warmer and more humid air will thus temporarily replace our crisp fall-like weather, which will return by early next week. A few breakaway areas of mildly unsettled weather will pass overhead in the meantime. The first impulse on Friday afternoon may usher in a sprinkle or a widely scattered shower. The second batch of clouds (associated with a warm front) will approach from the west on Saturday. By Sunday the warm air will become increasingly unstable: a slow-moving cold front (extending from a low pressure system traversing Central Canada) will provide good lifting conditions, so showers and thunderstorms are to be expected.

**Today:** Early sun followed by increasing overcast. Chance of an afternoon sprinkle or light shower. Milder, with highs near 70°F (21°C) and light southwesterly winds.

**Tonight:** Partly cloudy with some fog forming late. Low 58°F (14°C).

**Saturday:** Partly sunny, then some more clouds late in the day. Warmer, with highs near 75°F (24°C).

**Sunday:** Quite warm and more humid, with a good chance of showers and thunderstorms. Lows in the low 60s (16-18°C), highs in the mid 70s to near 80°F (24-26°C).

## Drenching, By Georges!

By Marek Zebrowski

STAFF METEOROLOGIST

After a week or so of relatively calm conditions, the tropics have become extremely active again, with a very rare appearance of four Atlantic hurricanes currently in view. Only one of them — Georges — poses an immediate threat to the U.S. mainland, and will be a weather factor over the

Southeastern U.S. region during the next few days.

As of 8 p.m. Thursday, Georges was located at 22.9° north and 79.0° west, moving at 12 knots along the northern coast of Central Cuba on a northwesterly track. The maximum sustained winds were 85 mph (near 130 kmh). Georges is expected to strengthen and become better organized in the next 24 hours as it passes over the Florida Keys and moves into very warm waters of the Eastern Gulf of Mexico. Residents of the Keys,

Florida's West Coast as well as those of the Panhandle area and the shores of Alabama may expect very high tides, considerable surf, strong winds and copious rainfall — likely to exceed 12 inches in some locations.

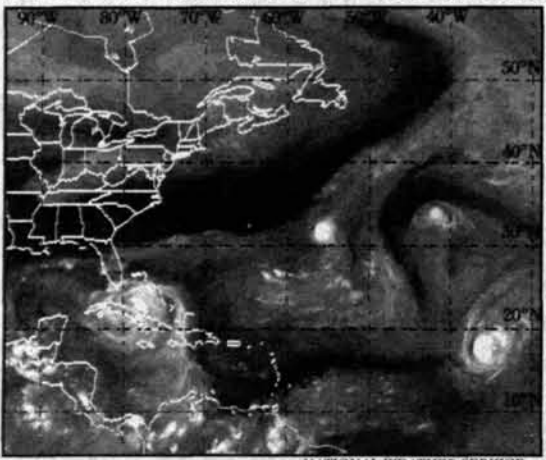
The next strongest hurricane — Jeanne

— is located at 17.2° North and 36.0° West (about 710 miles west of the Cape Verde Islands), and moving west to northwest at 12 knots. Maximum winds are 90 knots (160 kmh), and Jeanne's track is expected to become more northerly over the next 48 hours. This system will move towards the central Atlantic and will pose a threat only to shipping lanes.

Also visible on the water vapor satellite taken at 7:15 p.m. Thursday are:

• Hurricane Karl, located at 32.0° north and 57.0° west, with maximum winds of 45 knots (80 kmh), slowly moving towards east-southeast.

• Hurricane Ivan, located at 34.0° north and 42.5° west, 840 miles west-southwest of the Azores Islands. Ivan's maximum sustained winds are clocked at 80 knots (145 kmh). This hurricane will move towards the north-northwest at about 10 knots during the next 24 hours. Afterwards, it is expected to turn into northeast and weaken gradually before it brings some rains and strong winds to the western Azores late Saturday.



# Census Bureau: More Blacks, Latinos Are Escaping Poverty

By Melissa Healy  
LOS ANGELES TIMES

WASHINGTON

The Census Bureau reported Thursday that poverty declined slightly in 1997, with the economic lots of blacks and Latinos improving most dramatically.

Experts said the booming economy — with the lowest unemployment rate in almost a quarter-decade — is the clearest reason for the figures. But they noted that welfare reform also may be contributing to the decline in poverty, as welfare recipients, prodded by new federal rules and by new state programs, leave public assistance rolls for better-paying, private-sector work.

In general, the economic snapshot captures a nation now fully

emerged from a stubborn recession, with median household incomes back to where they were before the recession began in 1990 — just above \$37,000. And while blacks and Latinos continue to lag far behind whites economically, the two minority groups outpaced whites both in moving out of poverty and in boosting their median income levels overall.

President Clinton on Thursday touted the census findings, calling them "one more year's worth of compelling evidence that this economic strategy is working... This report also shows that our growing economy is giving more and more families a chance to work their way out of poverty."

The census found that in 1997,

8.3 million people of Hispanic origin lived below the poverty line of \$16,400 for a family of four, down from 8.7 million in 1996. And the proportion of Latinos living in poverty dropped from 29.4 percent in 1996 to 27.1 percent last year. That is the largest one-year drop in poverty among Latinos in two decades.

In the same year, 9.1 million blacks lived in poverty, reflecting a drop of two percentage points — to 26.5 percent — in poverty rates for the group.

For black and Latino families headed by a single mother, the rise in median income was nothing short of remarkable: the median income for black households with a female head and no husband present grew 6.3 percent between 1996 and 1997.

# Private Investment Fund Bailout Provokes Wide-Ranging Criticism

By Tom Petruo  
LOS ANGELES TIMES

The massive bailout of a tottering private investment fund, in a deal overseen by the Federal Reserve Bank of New York, triggered a mix of outrage and fear on Wall Street on Thursday and helped send the stock market plunging anew.

The \$3.5 billion deal to save Long-Term Capital Management, a fund whose well-heeled investors included two Nobel laureates, was organized by Wall Street's major investment banks — many of which had lent the fund huge sums in its ill-fated pursuit of high-risk trading strategies.

The deal was immediately lam-

basted by many other investment pros as setting a dangerous precedent, especially given the constant carping by U.S. officials that Japan and other troubled economies must allow their sickly financial companies to die rather than be kept on life support.

Most troublesome to many critics was that the bailout, announced late Wednesday, occurred under the auspices of the New York Fed, with the major meetings of lenders held in the Fed's Manhattan offices.

The rescue was attacked as a bailout for rich investors, a privilege that would never be accorded to the vast majority of smaller investors. And it seemed likely to embolden

such well-heeled investors to continue their high-risk ventures, confident they will in the end be protected.

"Shameful," declared Charles Pradilla, strategist at investment group Cowen & Co., echoing the comments of other Wall Street veterans. "They should have let it hang and let the lenders hang."

In unusually pointed remarks, Paul Volcker, who was Fed chairman between 1979 and 1987, commented to reporters in Boston that although he did not know the specific details of Long-Term Capital's bailout, "Why should the weight of the federal government be brought to bear to help out a private investor?"

## N. Korean Missile Launch Concerns U.S. Intelligence

THE WASHINGTON POST

WASHINGTON

U.S. intelligence experts failed to anticipate North Korea's ability to launch a three-stage rocket last month and now suspect the secretive communist state may have moved closer to developing a missile capable of hitting the United States, according to a senior CIA official.

The North Korean rocket, fired Aug. 31 in an arc over Japan, broke up somewhere over the Pacific Ocean without reaching orbit. U.S. officials first depicted the launch as a test of the two-stage, medium-range Taepo Dong I missile. But two weeks later, they reported the rocket had three stages and carried a satellite that was destroyed in flight.

"Although the launch of the Taepo Dong I as a missile was expected for some time, its use as a space launch vehicle with a third stage was not," said Robert D. Walpole, the CIA's senior intelligence officer for strategic programs. "The existence of the third stage concerns us. We had not anticipated it."

## Settlement Explored in Clinton-Jones Case

THE WASHINGTON POST

WASHINGTON

President Clinton's lawyers are quietly exploring a financial settlement with Paula Jones so that she would withdraw her pending appeal and finally end the long-running legal battle that led to the crisis now threatening his presidency, according to sources familiar with the situation.

Attorneys for Clinton and Jones have conferred in recent days about whether a deal can be reached before an appeals court hears oral arguments next month on her bid to reinstate the sexual harassment lawsuit that was dismissed by a Little Rock, Ark., federal judge in April, the sources said.

"There's some talk going on," said one source who did not want to be named.

The tentative discussions in the case that gave rise to the most recent phase of independent counsel Kenneth W. Starr's probe of the president appear to involve a possible payment by Clinton in the same range that his lawyers once signaled he might be willing to make. Jones rejected a proposed \$700,000 settlement from Clinton a year ago because it did not include an admission and apology from the president, but her camp suggested in February, just weeks before the case was thrown out, that she would accept \$900,000.

The renewed contact comes at a time when Clinton allies also are trying to cut a deal with Congress to head off an impeachment drive by agreeing to a censure or some other punishment for his actions regarding Monica S. Lewinsky.



# Undergraduate Association

MIT's Undergraduate Student Government

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...on athena...

<http://ua.mit.edu>

Polls open until Saturday, midnight

## Get in on the Action- join a UA committee

**Social** - help plan campus events, such as study breaks and battle of the classes  
email <milight@mit.edu>

**Nominations** - interview student reps. to faculty committees <bigdeis@mit.edu>

**Publicity** - creative? help let MIT students know what the UA is doing for them <cdsmith@>

**Educational Policy**- have a voice in faculty decisions that affect you <jdsher@mit.edu>

**Student Life**- the 24hr MIT shuttle is just one of this committee's projects<skeazy5@mit.edu>

**Housing/Orientation**- work with students and administration on new housing policy  
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# OPINION

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### Banking For Less Charge

Whether or not one approves of the recent decision of several large banks, including BankBoston, to begin charging usage fees for their automatic teller machines, it is inappropriate to have ATMs on MIT space that charge such fees. While many students do business with BankBoston, many others do business with other, smaller banks like USTrust, Cambridge Savings, and Brookline Savings and will be forced to pay to use the ATMs on the Infinite Corridor and in the Student Center.

MIT should see that these expensive ATMs are replaced with those of banks which allow anyone to use their ATMs for free or else it is doing nothing less than driving students to BankBoston. If MIT is going to try to force its students to join a particular bank, it should at least state this openly and study all of the options available.

Grant F. Gould '99

### Sexual Creatures

In his recent column ["Time to Move on Already," September 22], Andrew J. Kim '01 asks the question, "So why all the charades?" He wants to know why Americans claim to be sick of this sordid Presidential mess but at the same time gobble up sexually loaded reports of the President's misconduct. Then, to my disappointment, he lets the question drop without answering it in a reasonable way.

Contrary to what Kim says, the two-faced nature of the American people on this issue has nothing to do with protecting children. It has everything to do with the morals this country holds from when it was still a bunch of colonies juxtaposed with the reality of human nature. We all know the morals that the community holds us to — the direct descendants of those that were brought here by the Puritans.

Obviously the President's behavior was completely immoral, and we feel inside of us

that we will be guilty by association if we think of defending such a man. We revile the sex on a public level, calling for its rapid punishment and exit from the spotlight.

But, in reality, we are all sexual creatures. Americans can't get enough of sex, whether in the form of conversation, television, movies, or anything else. So we focus privately on the sex of the case. It is only natural that when such a graphic and steamy document is released, with the inherent legitimacy of the government serving as publisher, we grab it and read. It's a great novel — and it's all true. Unlike most of politics, sex has the unique ability to both bring down the President and hold the public's attention.

Only when Americans fully realize how much they love the subject on one hand and hate it on the other will they see how Kenneth Starr has manipulated them into the chain reaction of events that has brought us to the dismal situation now.

Joshua M. Thompson '02



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

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# Rocks and Pebbles

*Doing What's Important May be a Challenge When the Small Things Pile Up*

Guest Column  
Dawen Choy

The story goes that a certain time-management guru was giving a seminar to a group of executives. To illustrate a point he was about to make, he brought out a large glass tank and proceeded to fill it with big rocks until he could fit no more. He then asked his audience, "Is the tank full?"

The executives, many of whom were veterans of innumerable time-management workshops, pondered a while and finally someone ventured, "The tank is not full."

"Correct," said the guru, and he then poured pebbles into the same glass tank. The smaller pebbles slipped easily into the spaces between the big rocks, and soon the tank was unable to fit any more pebbles. He then asked the same question, "Is the tank full?"

Having caught on to what the guru was doing, the audience now responded without hesitation, "No." Once again the answer was correct, and the guru began to pour sand into the tank until it could hold no more. Without bothering to ask the audience yet again, the guru announced that the tank was still not full and started to pour water into it.

When at last the tank was filled to the brim, the guru turned to the audience and asked, "What principle am I trying to demonstrate?" Several in the audience raised their hand, and one of the executives sitting in the front row volunteered, "The tank represents the total amount of time we have, and the objects you put inside represent the work we have to do. By putting in more and more items into the tank even when it seemed to be full, you're trying to tell us that there's always time to do more work."

The guru smiled as he shook his head. "That's a very good answer, and I'm sure squeezing more time out of your day is the whole raison d'être of most time-management techniques, but it isn't what I was trying to demonstrate."

Bewildered, the audience listened attentively as he continued, "The point I was trying to make is that when you're filling the tank, you have to put the big rocks in first, otherwise you'll never get them all inside. In other words, you have to schedule the most important activities first and fit the rest around them,

or else the little things will overwhelm you and leave you no time for the really big things."

The above story was part of a mass e-mail sent out by a friend a few months ago, and normally I don't pay attention to such mass e-mails because they usually contain an urban legend of some sort or another. However, it was a slow Sunday afternoon and I had just spent the whole morning attempting the latest problem set, so for want of better entertainment I actually read the entire e-mail.

For once, that proved to be a worthwhile investment. The parable didn't bring me sudden enlightenment, but it did make me think about what were the big rocks in my life. After a little reflection, I managed to come up with a list of activities that I considered important to me. It included activities such as calling home every Saturday night, because that's the best fit between Boston time and Singapore time (which is 12 or 13 hours ahead). Sometimes it may only be a short half-hour, but talking to my family energizes me, and I'm sure they are also glad to hear my voice and that everything's all right. The list also included the nightly pool sessions at Pritchett last spring term where I spent time with my girlfriend on a game we both enjoyed, despite our heavy schedules.

My list even included quotidian activities such as cooking dinner everyday with a group of close friends. It may seem strange that such a mundane task qualifies as a big rock for me, but it is true I derive significant enjoyment from eating what my friends and I cook. Cooking takes more time than it would to simply buy a meal from Walker Memorial, but it certainly is cheaper, and I can cook dishes that are more suited to my palate. More important, however, are the immaterial benefits — there is the immense satisfaction that comes from eating what I cook myself, because prior to coming to MIT I never knew how to cook.

There is also the close bonding that develops when you cook and eat with the same people regularly. At home, my family often eats together at the dinner table, and here on the other side of the globe this is the closest substitute I know. I personally find it very relaxing to come back from class everyday and have a group of close friends to talk about the day's events or simply engage in idle chit-chat over a home-cooked meal. It takes almost two hours to thaw, marinate, cook, eat and wash up, but I can

think of few other activities that would give me as much pleasure in the same amount of time.

After drawing up the list, I suddenly realized how easily many of the activities on my list could become sidelined by matters of lesser importance but seemingly greater urgency, notably quizzes and problem sets. Sometimes there is the temptation to skip cooking and just eat at Pritchett or Walker in order to save an extra hour for finishing up that problem set due the next day. And there have been occasions when either my girlfriend or I had a quiz the following day and we agreed to play pool some other time.

We all have our big rocks, and I think sometimes the challenge is to make sure the small pebbles and particles of sand do not displace the big rocks from our tanks. Once term begins at MIT, it's very easy to get lost in the mire of classes, problem sets, readings, papers and quizzes, and end up neglecting the really important things in one's life. In my two years at MIT so far, I've spent innumerable weekends squirreled away in my room doing work, pausing only for meals and the occasional e-mail check. And because I cook my own meals, sometimes I never even leave the confines of my hall at East Campus. Maybe this only happens to people who take Physics' Junior Lab, but I've heard that just about everybody in this school has pulled an all-nighter at least once, so my experience cannot be unique.

Giving priority to the big rocks in your life does not mean you have to be inflexible about it — if that paper due the next day is going to make a big difference, then sacrificing a big rock or two temporarily would be the wise thing to do. But it does mean actively making sure that important things really come first, because the fast pace of MIT life means that almost everyday there will be some problem set, paper or quiz due. Small pebbles and sand fit easily into a tank, so the temptation to put them first will always be there. That temptation must be resisted.

Yes, there is no doubt that the tanks of MIT students are pretty much filled, but rather than thinking of how many more things we can put into them, maybe we should be wondering how many big rocks we are neglecting.

So, what are your big rocks, and are you putting them in first?

Dawen Choy is a member of the Class of 2000.

# On the Nature of Technology

Naveen Sunkavally

Often times, while reading arguments against the growth of technology or against the propagation of man, I encounter the phrases



that so-and-so is "unnatural" or "not as nature intended." Such phrases sometimes appear in arguments against abortion, or the advancement of gene technology, the destruction of redwood forests, the contamination of rivers, or polluting the atmosphere,

etc. For example, in Wednesday's *Boston Globe*, one activist in an article about biotechnology is quoted as saying, "We are on a reckless course. Entirely new life forms are being created. This is an aberration of nature and is a recipe for disaster." Hundreds of other examples exist and can be found in daily literature.

While I can understand what people who levy this type of argument are trying to say, I have to say that, in reality, nothing in the world is really "unnatural." In fact, *everything* in the world is natural. Man himself is a by-product of nature, and anything he creates or does is with nature and thus fully natural. How can something part of nature using something made by nature create something unnatural? It may be correct to say that certain advances in biotechnology are unprecedented, but we can't legitimately say that they're "unnatural."

Similarly, people against abortion may say that killing fetuses or clusters of cells does not follow "what nature intended." First, I have to ask myself if nature can intend something or if nature actually can have an ulterior motive for anything. Then I must resolve to myself that the notion that nature can intend something is essentially equivalent to saying that anything nature intended is what nature originally produced before man came around. And when I come to that conclusion, I must ask myself if everything natural must have been something originally created.

Smog, three-eyed fishes, the extinction of species — while unpleasant, these things are, in effect, all perfectly natural. Man, as a part of nature, has used parts and combinations of nature to create new things that, although not originally existent, are still perfectly natural. man's creation of, for instance, the computer or the locomotive is just as natural as a plant's creation of a bud, or a bacterium's manufacturing of a toxin.

Furthermore, I find the argument that so-and-so is "unnatural" or "an aberration of nature" very condescending and ironic. The argument assumes a false distinction between man and nature, as if man were not a part of nature, but somehow above it. After all, only if we assume that man is not a part of nature can we come to the conclusion that man's creations are "unnatural." It's ironic that people who claim things are "unnatural" are in effect assuming that man himself is "unnatural."

By trying to debunk the supposition that anything technological is "unnatural," I'm not condoning the widespread usage of technology for destructive purposes. What I'm trying to say is that people who use the word "nature" in arguments against the growth of technology are often probably irresponsibly substituting the meaning of the word "nature" with the meaning of the word, "God." It seems that people are using the word "nature" as opposed to the word "God" in order to lend an element of logic in their arguments against technology. People who argue from the standpoint of religion are intrinsically weakened in their arguments by the presence of so many religions and the presence of gods.

Ultimately, if movements against abortion or against the growth of technology are going to become more prominent, they will have to remove from their vocabulary the foolish notion that so-and-so is "unnatural." Everything is natural, and in nature only the law of evolution and "survival of the fittest" win out. Ultimately, man's creation of various technologies is a part of his own evolution, and if he is to prevent himself from destroying nature, it must be not because of some queasy feeling of "unnaturalness" or "ungodliness" but for the sake of his own survival.

# Überfun With Finboard

Jennifer Chung

For one brief, heart-stopping moment, as I sat in on last week's semiannual Association of Student Activities meeting, I thought somebody was going to re-initiate the debate about the merits of a single-entity Undergraduate Association and Graduate Student Council funding board, united forever in peace and harmony, to the universal betterment of all humanity, again.

Luckily, President Van L. Chu '99, fearless leader, was on hand to steer back any digressions which strayed too far from the green pasture of agenda topics.

Don't get me wrong: I think the idea of a unified UA and GSC funding board would be great. But I'm not as enamored of the time-consuming and redundant arguments which inevitably arise whenever this subject accidentally comes up — at least, from what I've managed to infer from my few, sheltered experiences with the topic.

It doesn't even appear as if the masses are especially against the idea, either. A preliminary straw poll at the ASA meeting last spring, when I first encountered the idea, demonstrated that, on the whole, student group leaders thought that a unified funding board would be a Good Thing™.

Why, then, does this organization not yet exist? I'm pretty certain it's not the "if it ain't broke, don't fix it" principle at work. The current system favors the UA, a student group who gets to determine which other student groups get money. Shouldn't the ASA, made up of these student groups, be the one given the tens of thousands of dollars of student activities money to dole out amongst its members (including the UA) as it sees fit? Matthew L. McGann '00 should not be "ASA liaison to the UA Finboard"; the position should be, if anything, "UA liaison to the Überboard" and only for smoothing things over during the initial transition period.

I've just christened the cumulative Finboard-GSC funding unit "Überboard," but I certainly wouldn't be averse to calling it "Ultra GSC Funding Plus! (now with undergraduates)" — "Ugfup" — bulky as that may

be. But the single word "Überboard" — even if I'm not quite sure how to pronounce it — looks sleek (and I get to put little dots over the 'u', which is always exciting).

And Überboard should exist. I write this column under the anonymity of my name, which, in the context of "author of something in *The Tech*," people seem not to associate with me. I hope to find no reprisal from the UA, whose power I am surreptitiously undermining, and whose current Finboard determines how much money my student

*I have no qualms about leaving the committee members in a small, cold room with a single dull knife if nothing has been accomplished by the last week of the period.*

group gets. Or maybe I'll get lucky, and the UA will refuse to talk to me ever again, preventing me from having to write future State of the UA articles assigned by my editors.

That's one of my demands, by the way; Überboard has to be separate from both class-based student governments (the UA and GSC), and associated with the ASA, the diligent force which worked and planned hard to create it. Hint, hint.

Frankly, Überboard doesn't yet exist, because creating it would take Time and Energy — all of the things that MIT students tend to be lacking. Nonetheless, it should take no longer than the period of one month of merely semi-dedicated people meeting relatively frequently to plan and propose. I refer to daily 9 a.m. meetings during IAP, of course. What else is IAP for but to provide students with Time and Energy to semi-dedicate to accomplishing a real goal? The 9 a.m. clause would hopefully ensure that the Überplanners were in it for the ideals, not the

power.

I imagine that implementation of Überboard would begin — may the gods help us — with a committee. An ASA vote in the fall would elect the members of the Übercommittee, who would all be flogged each time one of them missed a meeting during IAP.

You might scoff at the idea of a group of five, or so, actually *getting something done*, particularly in such a *short* time period as one month. Especially if the group is related to student government. I have no qualms about leaving the committee members in a small, cold room with a single dull knife if nothing has been accomplished by the last week of the period. There will be no "time extensions."

When the committee finishes the logistical rules and details, and presents Überboard to the ASA for approval through a resolution, they might sing a theme song. An acquaintance at *The Tech* has offered the following lyrics:

*Who controls the money now?  
Who keeps the greedy UA down?*

*We do! We do!*

*Who keeps GSC off the cash?  
Who gives each group their fair stash?*

*We do! We do!*

*Who keeps groups from going sour?  
Who gives Van some well-earned power?*

*We do! We do!*

*Who helps rebuild MIT?  
Who keeps money from "me, me, me"?*

*We do! We do!*

Of course, even with the best theme song in the world, an ASA Überboard would still have to get past the bouncers at the UA.

But the UA can't have the power to override the shouting voices of several thousand student group members, right?

And student activities are so strong this year...

# THE ARTS

## THEATER REVIEW

### Fosse: A Celebration in Song and Dance

Sex, Dance, and Show Tunes in 28 Numbers

By Seth Bisen-Hersh

STAFF REPORTER

Colonial Theatre  
106 Boylston Street, Boston  
482-8616

Tickets \$48.50 to \$68.50; \$20 for students and seniors with valid ID one hour before curtain except Saturday night  
Through Sunday

Imagine watching show stopper after show stopper after show stopper. Imagine non-stop excitement created by just the slightest inclination of the shoulder. Imagine thirty talented dancers dancing their hearts away. Well, that is exactly what *Fosse*, now playing at the Colonial Theatre, is all about.

Dedicated to the memory of Bob Fosse, choreographer extraordinaire, *Fosse* is a collection of his best work. Bob Fosse (1927-1987) directed and choreographed many Broadway shows, movies and even television shows. In fact, in 1973 he became the first person ever to win all three majors awards: An Oscar, a Tony, and an Emmy award all in the same year. Winning for the film version of *Cabaret*, the Broadway musical *Pippin*, and the TV special *Liza with a Z*, the Fosse style permeated the entertainment world.

His work on these and other projects has been recreated by Chet Walker and Ann Reinking (1997 Tony Award winner for Best Choreographing in *Chicago*) and all put together in an evening of song and dance. Furthermore, adding to the number of talented persons associated with the show, his former wife, Gwen Verdon (winner of four Tony awards for various musicals, including *Damn Yankees*) served as the "artistic advisor."

*Fosse* is a musical review of a myriad of dance numbers in three acts. Thus, it is sort of like having three lectures in a row in the same place, with a 10 minute break for every 50 spent sitting attentively. But, I promise, it's much more entertaining than most lectures.

The show is broken down into five parts: Influences, Hollywood, New York, Complexities, and the Finale (which is a huge, never ending dance to Benny Goodman's "Sing, Sing, Sing"). There are 28 numbers in total without any dialogue. Personally, I felt the highlights of the production were the numbers I previously knew and

could sing along with: Big Spender (*Sweet Charity*), Shoeless Joe From Hannibal, MO (*Damn Yankees*), Steam Heat (*The Pajama Game*), Nowadays (*Chicago*), Glory (*Pippin*), and Mein Herr (*Cabaret*). I guess knowing them added that extra oomph and made me enjoy those more. However, every number in the piece was spectacular (although occasionally near the end, they became a tad repetitious).

On a technical side, the show was as fabulous as one would expect from a Broadway musical. The lighting was intense and detailed. Also detailed, the sets were recreated from the various shows and movies and added very well to the overall ambience. However, there were a few glitches in the sound during the third act which were starting to get a little

annoying, but thankfully were fixed within a few minutes.

I would have preferred a little more song with the dance, but it was still enjoyable. The best act by far was the third one because all of the numbers were sung as well as danced. Unfortunately, when you cast a show for dancing, there won't be as many strong singers. Don't get me wrong — everyone in the show sang beautifully, especially the lead singer, Valarie Pettiford. But at some times a stronger belter would have been nice; during "Razzle, Dazzle," the wonderful second act show stopper from *Chicago* which uses huge feather boas to create many designs, I found myself longing for a better singer. Of course, after seeing the Tony winning performance of James

Naughton on Broadway, any other performance seems just a tiny bit lacking.

Overall, *Fosse* was a wonderful, exciting show. It's definitely a great thing to do on a Friday night. I urge everyone to try and go see it this last weekend before it makes its way to Broadway. There are student tickets available for only \$20 (tickets are normally \$45-60) for every performance, except Saturday night. They start selling one hour before show time. A group of us got there around 6 for an 8:00 performance, and we were the third group on line. According to this couple ahead of me trying to get the senior citizen tickets (same price as students), there were more people there on Tuesday night (probably because most people assumed that'd be the least crowded night). In any case, they could not get the tickets on Tuesday since they forgot their senior citizen ID's. So the moral of that story is don't forget to bring your MIT ID, because they are very strict about who they will give the tickets to. It's one ticket per one valid ID. Don't miss this great show!

## MOVIE REVIEW

### Next Stop Wonderland

The people make up for the plot

By Vladimir V. Zelevinsky

STAFF REPORTER

Directed by Brad Anderson  
Written by Brad Anderson and Lyn Vaus  
With Hope Davis and Alan Gelfant

Creating characters is a skill. Creating characters which have only a few seconds on screen is a talent. Creating several dozen characters (all distinct and three-dimensional individuals) in one film is an art.

*Next Stop Wonderland*, a Boston-set romantic comedy (obvious from the Blue Line-inspired title), parades a whole gallery of compellingly weird people across the screen. That, taken together with its excellent use of the Boston locales, makes it a highly entertaining romantic comedy — an exception in the genre that, frankly speaking, has failed to produce anything worthwhile in the last few years.

The reason is quite obvious from watching *Next Stop*, which falls into the same trap as the good deal of modern romantic comedies: Love — both as a state and as a process — by its very nature requires two participants, and the most interesting aspect is the

interaction between these two people. If you recall recent romantic comedies (such as *Sleepless in Seattle* or *Till There Was You*), you realize that they operate in a distinctly different mode: Two protagonists don't meet until the end of the movie, essentially turning it into a two-hour teaser (or, rather, a "coming attractions" preview). I don't know what's to blame for this — the prevailing notion of love as fate or destiny or something equally meaningless, or the financial success of *Sleepless in Seattle* (my money would be on the latter) — but the whole idea of following two people for an entire movie and having them come together at the end usually results in a movie which feels boring, pointless, and obvious.

*Next Stop Wonderland* has exactly this kind of plot. There's Erin, a lonely nurse, and Alan, a lonely plumber. Erin wants to end her loneliness. Alan wants to become a marine biologist. So far, so good. They both run around Boston for two hours, almost meeting a dozen times. The resulting plot ranges all the way from slight (Alan's tentative romance with a fellow student at community college) to inane (a complicated storyline concerning the kidnapping of the Boston Aquarium's

mascot — don't ask). If the plot was the main aspect of this movie, I wouldn't even think of recommending it.

However, I do recommend it, and do so wholeheartedly, since the plot is only of secondary concern. What writer/director Brad Anderson really cares about are the characters, and they come in spades. All characters, ranging from a few prospective suitors who call Erin on the phone and have only a couple of seconds of screen time, to the main leads, are finely drawn and as three-dimensional as they get.

They are also laugh-out-loud funny, with every line of dialogue and every character trait adding to create a positively hilarious experience. Watching this movie feels like standing in the crowded subway train and looking at the faces of the people around you, realizing that all of them are inherently fascinating.

This impression is strengthened by the fact that Anderson directs *Next Stop* as a pseudo-documentary, using a shaky (but, thankfully, not too shaky) hand-held camera for most of the shots. This results in a feeling that what you are watching is a kind of a home movie, its roughness being simply a consequence of its heightened realism, a kind of a *faux cinema-verite* experience. The editing is a bit too hectic once in a while and the plot too silly to sustain this illusion for the entire running time, but when it works, *Next Stop Wonderland* weaves a charmingly unique spell.

## THEATER REVIEW

### Gross Indecency: The Three Trials of Oscar Wilde

Far too decent for its namesake

By Bence Olveczky

STAFF REPORTER

Boston University Theatre  
264 Huntington Avenue, Boston  
266-0800

Tickets \$10-\$49.50, \$5 discount for students and seniors  
Through October 11

The Huntington Theatre staging of Moises Kaufman's *Gross Indecency: The Three Trials of Oscar Wilde* is well in tune with the Oscar Wilde-mania that brought us Liam Neeson's interpretation of the famous writer in *The Judas Kiss* and the recent Hollywood release *Wilde*.

Two years before the centennial anniversary of his death, the flamboyant and provocative Irish aristocrat, whose open homosexuality was paired with a last minute conversion to Catholicism, has become the unlikely icon and martyr for non-conformists, neo-liberals, and gays alike. But in the almost ritual worshipping of his soap-opera-like life, Oscar Wilde's true literary legacy has fallen by the wayside, with plays reinventing his persona far outnumbering the stagings of the playwright's own work.

In *Gross Indecency*, Moises Kaufman adds to the Wilde renaissance by focusing on the trials that caused the ultimate demise of an ail-

ing Oscar Wilde. Having triumphed in all his endeavors, social as well as artistic, Wilde sought the ultimate trophy: to challenge and defeat the rigid moral standards of Victorian England in a court of law.

In his only novel, *The Picture of Dorian Gray*, Oscar Wilde wrote, "For any man of culture to accept the standards of his own age is a form of the grossest immorality." Life is to be beautified by pleasure, Wilde argued, and if it involves seducing young men of his fancy, well so be it.

But Oscar Wilde, a married man with two children, clearly pushed his luck too far when he sued the father of his 20 year-old gay lover, Marquess of Queensbury, for having called him a sodomite. He lost the libel suit, and in ensuing trials he was charged with "gross indecency," found guilty, and sentenced to two years of hard labor.

Kaufman, rather than writing a play, edits the documents describing the trial. He blends court transcripts with press reports, contemporary literary criticism and personal communication between Wilde, his friends and foes, and pieces it all together into a literary mosaic that portrays Wilde's personality from widely different angles.

There are many intriguing questions buried in the documents that make up the play. Is art and literature an act of morality, or simply an

aesthetic pursuit? Should a public figure be judged by his work alone, or are his sexual preferences and moral convictions equally important? And what is morality? Is it just a matter of accepting the norms of one's age? Or is it an absolute standard by which everybody should be measured? These questions are as urgent today as they were 100 years ago.

But the fragmented text itself does not provide the necessary drama, making the play rather lifeless and factual. It is for the theatrical interpretation to breathe life into the otherwise cleverly assembled text, and it is here that the Huntington production stumbles. Director Michael Bloom is simply unable to deliver theatrical solutions that would make the play work.

The stage is transformed into a court room where the judicial battle between Wilde and Queensbury is played out. In addition to the main characters, the stage is populated by an ensemble of gray-clad men, their uniforms and manners overstating the rigidity and Puritanism that Wilde is challenging. It is these anonymous characters that provide the narration and commentary for the audience in their role as jury.

The play is carried mainly by Oscar Wilde's intriguing personality, but Donald Carrier's rendering lacks the passion, flamboyance, and complexity of the enigmatic

writer. His lover, Lord Alfred Douglas, as played by Christopher Duva, is devoid of the innocent charm and provocative beauty that must have captivated the middle-aged writer. The rest of the cast, when not narrating the happenings, play a variety of roles including attorneys, magistrates, Queen Victoria, and George Bernard Shaw. The actors are try hard to use true Irish and English accents, but to no avail.

Sadly, the conflict between Wilde and his contemporaries is never felt — only implied — and the attention of the audience/jury sways easily for the lack of surprise and pace in the production. Many innocent members of the audience seeking refuge in the theater from the banalities of everyday life will find themselves reflecting on the Lewinsky scandal (not again!) as the play, however unwillingly, becomes another sorry commentary on the hypocrisy and double standards surrounding the real political farce.

Oscar Wilde was a daring and controversial figure with a unique artistic vision, who always pushed the limits of the acceptable — a literary Larry Flynt. A production aiming to capture the essence of his legacy must dare to be original, unpredictable, and full of pace, passion and poignancy. The Boston production of *Gross Indecency* is simply too decent and predictable to succeed.

Looking for on-campus events, but can't find them in On The Town anymore?

They've moved to TechCalendar! Look online at <http://tech-calendar.mit.edu/>

or in our Fun pages to find out what's happening at the Institute this week.

MOVIE REVIEW

Ronin

Boredom, shootout, chase

By Vladimir V. Zelevinsky  
STAFF REPORTER

Directed by John Frankenheimer  
Written by J.D. Zeik and Richard Weisz  
Based on a story by J.D. Zeik  
With Robert De Niro, Jean Reno, Natascha McElhone, Stellan Skarsgerd, Jonathan Pryce

Watching *Ronin* is like observing a highway pileup in progress: A large number of cars are getting smashed, there are a lot of wheels spinning, and various bits and pieces are flying around, clearly a large expenditure of both money and energy. It is a very sad sight, it goes nowhere, and one can't help but commiserate with its victims. Overall, it's bloated and ineffectual — very much like this metaphor.

The general mood of the film is perfectly

represented by the opening scene. For about five minutes the camera circles around a Paris cafe. It's late in the evening, people are entering, giving each other meaningful and/or suspicious looks, and leaving. One man asks for a glass of wine and is given a beer (although this could be a simple continuity error). Another one hides a gun under a crate in the alley, and the camera follows them for few minutes. People keep coming and going, and after a few more minutes, everyone leaves, without anything having happened. My reaction to this whole sequence was precisely "Oh. Ok. And...?"

The plot of *Ronin* (somewhat explained in the next sequence, which is more lucid but as boring) has something to do with stealing a mysterious suitcase from its mysterious owner and giving it to some other mysterious people. Nothing is made clear on any of the above; the clearly McGuffinesque nature of this whole setup notwithstanding, at this point the movie has been going on for about 20 minutes, almost nothing is clear, absolutely nothing has happened, and there's absolutely nothing to care about.

After this, *Ronin* finally settles into its

main mode of operation. There's yet another dimly lit sequence which attempts to achieve suspense by making it unclear what's going on, after which there is a brief shootout, filmed entirely in closeups of the people firing guns (with their locations, targets, and accuracies left, it seems, to the audience's imagination), after which there's a chase. The rest of the movie repeats this recipe four of five times. There are long stretches of time where pretty much nothing happens, then a brief and confusing shootout, and a long chase. Boredom, shootout, chase. Boredom, shootout, chase. Boredom, shootout, chase.

Of course, some of the chases are reasonably diverting. There's one race through a crowd of people at the ruins of an ancient arena which is intermittently entertaining, and there's an extended car chase where one vehicle is pursuing another one through heavy oncoming highway traffic. Two things are very impressive about this sequence: How hard it must have been to film it (the logistics, presumably, were utterly daunting), and how little one cares about what's going on during it.

Since the movie required very little thought,

I had to contemplate other issues, like how come all these great people are involved with this turkey. It stars Robert De Niro (here he is reliable, but nothing more), Jonathan Pryce and Stellan Skarsgard (both on hand clearly only for a fast paycheck), and Jean Reno (who was twice as interesting with half as much screen time in, heaven help us, *Godzilla*). Only Natascha McElhone (*The Truman Show*) has some screen presence, although her part is grossly underwritten. Why they thought it was a good idea to cast Katarina Witt as — surprise! — an ice skater with one and a half lines of dialogue (in Russian) is absolutely beyond me. The involvement of the veteran director John Frankenheimer (*The Manchurian Candidate*) and screenwriter David Mamet (*The Spanish Prisoner*) makes the general ineptitude of *Ronin* even more head-scratching (at least Mamet is credited under the pseudonym Richard Weisz).

There's only one thing in *Ronin* that deserves any commendation: The movie takes place in Europe, and the scenery — mostly the stretches of French Riviera — are hauntingly beautiful. Ultimately, this *Mission: Impossible* wannabe succeeds only as a travelogue.

Popular Music

**Berklee Performance Center**  
Tickets: 931-2000.  
Oct. 11: An evening of spoken word with Henry Rollins. \$16.

**Avalon**  
15 Lansdowne St., Boston.  
Tickets: 423-NEXT.  
Sept. 25: De La Soul + Most Def + Kweli. \$15.  
Oct. 5: Souffly + Snot, Hed "pe" + Day in the Life. \$15.  
Oct. 6: Liz Phair. \$15.  
Oct. 8: Better than Ezra + Athenaeum + Possum Dixon. \$15.  
Oct. 9: Jerry Cantrell + Flight 16. \$15 advance, \$17 day of show.  
Oct. 14: They Might Be Giants. \$15.  
Oct. 19: Semisonic. \$13.

**Somerville Theatre**  
Tickets: 931-2000.  
Sept. 30: Son Volt + Josh Rouse. \$15.  
Oct. 3: Leftover Salmon + Jiggle the Handle.  
Oct. 20: Lucinda Williams. \$19.50.  
Nov. 5: moe. + Moon Boot Lover.  
Nov. 19: Hot Tuna. \$22.50.

**The Orpheum Theatre**  
Tickets: 423-NEXT.  
Oct. 24: Mickey Hart + Olu Dara. \$25, \$20 reserved.  
Oct. 25: Bela Fleck and the Flecktones + String Cheese Incident.  
Nov. 7: Lyle Lovett. \$33.50, \$23.50 reserved.

**Paradise Rock Club**  
Tickets: 423-NEXT.  
Sept. 26: Fools Progress. \$8 advance, \$10 day of show.  
Sept. 27: John Lurie & the Lounge Lizards. \$16.  
Oct. 1: Fuel + Solution AD and Edna Swap.  
Oct. 3: Tom Tom Club.  
Oct. 5: Elliot Smith.  
Oct. 8: Agents of Good Root.  
Oct. 9: Screamin' CheetaH Wheelies + Vibrosoul.  
Oct. 13: Cowboy Mouth.  
Oct. 14: Patty Griffin.  
Oct. 15-17: Cheap Trick.

**The Roxy**  
Tickets: 931-2000.  
Oct. 24: Squirrel Nut Zippers + Andrew Bird's Bowl of Fire + Ray Condo and the Ricochettes. \$22.50.  
Oct. 27: Depeche Mode + Stabbing Westward. \$42.50, \$28.50 reserved.  
Nov. 6: Cherry Poppin' Daddies + The Pietasters + Ozomatli. \$19.50.

Jazz Music

**Sculler's Jazz Club**  
Tickets: 562-4111.  
Sept. 25-26: Danilo Perez.  
Sept. 27: Henri Di Kongue.  
Sept. 30: Ziva Quetzal.  
Oct. 1-2: David Sanchez.  
Oct. 4: Michael Tomlinson.

**Regattabar**  
Tickets: 661-5000  
Sept. 25-26: McCoy Tyner Trio.  
Sept. 30: Pierre Hurel Trio.  
Oct. 1: Laszlo Gardony Trio.  
Oct. 2: Roomful of Blues.  
Oct. 3: Mili Bermejo Quintet.  
Oct. 6: Greg Hopkins Big Band.  
Oct. 7: Dominique Eade Trio.  
Oct. 8: Artie Shaw Orchestra.  
Oct. 9: Tiger's Baku.  
Oct. 10: Yellowjackets.  
Oct. 29-31: Dave Holland Quintet.

**Church of Our Saviour**  
Carlton & Monmouth Streets, Brookline  
Oct. 4: Aardvark Jazz Orchestra. \$10/\$5 students.

On The Town

A weekly guide to the arts in Boston  
September 25 - October 2  
Compiled by Joel M. Rosenberg

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

Theater

**Blue Man Group**  
It would be difficult and unfair to catalogue fully the antics of the Drama Desk Award-winning trio of cobalt-painted bald pates. They begin their delightful and deafening evening of anti-performance art beating drums that are also deep buckets of paint, so that sprays of color jump from the instruments like breaking surf, and end by engulfing the spectatorship in tangles of toilet paper. Go experience it.  
Charles Playhouse, 74 Warrenton Street, Boston, indefinitely. Curtain is at 8 p.m. on Wednesday and Thursday, at 7 and 10 p.m. on Friday and Saturday, and at 3 and 6 p.m. on Sunday. Tickets \$35 to \$45. Call 426-6912 for tickets and information on how to see the show for free by ushering.

**Fosse: A Celebration in Song and Dance**  
See review in this issue.  
Colonial Theatre, 106 Boylston Street, Boston, now through Sept. 27. Curtain is at 8 p.m. Tuesday through Friday, at 2 and 8 p.m. on Saturday, and at 2 and 7:30 p.m. on Sunday. Tickets \$48.50 to \$68.50; discount for groups. \$20 student and senior rush tickets 1 hour before curtain (except Saturday evenings).

**Gross Indecency: The Three Trials of Oscar Wilde**  
See review in this issue.  
Boston University Theatre, 264 Huntington Avenue, Boston (266-0800), now through October 11. Curtain is at 7:30 p.m. Tuesday through Thursday (no performance September 29), at 8 p.m. on Friday, at 2 and 8 p.m. on Saturday, and at 2 p.m. on Sunday; there is also a Sunday-evening performance at 7 p.m. on October 4 and 2 p.m. Wednesday matinee on October 7. Tickets \$10 to \$49.50; \$5 discount for seniors and students with ID.

**Shear Madness**  
The dramatic personae of this audience-participation whodunit continue to comb Newbury Street for the murderer of a classical pianist who lived over the unisex hair salon where the show is set.  
Charles Playhouse Stage II, 74 Warrenton Street, Boston (426-5225), indefinitely. Curtain is at 8 p.m. Tuesday through Friday, at 6:30 and 9:30 p.m. on Saturday, and at 3 and 7:30 p.m. on Sunday. Tickets \$30 to \$34.

**Titanic... The Mystery Cruise**  
Comedy Theater Productions of Westwood presents a new dinner/mystery cruise around Boston harbor, featuring "a hilarious three-hour spoof and whodunit by hypothetical cast members of

Titanic, the Soap Opera." Aboard the Fort Independence, departing from Long Wharf, off Atlantic Avenue, Boston (800-697-CLUE), at 7:30 p.m. Fridays and Saturdays through October 31. Tickets \$44.95, which includes performance, dinner buffet, tax, and gratuities.

Exhibits

**Computer Museum**  
300 Congress St., Boston. (423-6758 or 426-2800), Daily, 10 a.m.-6 p.m. Admission \$7, \$5 for students and seniors, free for children under 5. Half-price admission on Sun. from 3-5 p.m. Tours daily of "Walk Through Computer 2000," a working two-story model of a PC. The world's only computer museum; features a collection of vintage computers and robots with over 150 hands-on exhibits illustrating the evolution, use, and impact of computers. Featured exhibits include: "The Hacker's Garage," a recreation of a '70s hacker's garage with such items as an Apple I and Pong; "The Networked Planet: Traveling the Information Highway," an electronic tour of the Internet; "Robots and Other Smart Machines," an interactive exhibition of artificial intelligence and robots; "Tools & Toys: The Amazing Personal Computer"; "People and Computers: Milestones of a Revolution," explores a number of ways computers impact everyday life. In the Smart Machines Theater a multi-media show features NASA's Mars Rover, R2-D2, Shakey, Sea Rover, and other robots. Through Nov. 30: "Wizards and Their Wonders: Portraits in Computing." Ongoing: "Virtual FishTank."

**Isabella Stewart Gardner Museum**  
280 The Fenway, Boston. (566-1401), Tues.-Sun. 11 a.m.-5 p.m. Admission \$10, \$7 for seniors, \$5 for students with ID (\$3 on Wed.), free for children under 18. The museum, built in the style of a 15th-century Venetian palace, houses more than 2500 art objects, with emphasis on Italian Renaissance and 17th-century Dutch works. Among the highlights are works by Rembrandt, Botticelli, Raphael, Titian, and Whistler. Guided tours given Fridays at 2:30 p.m.

**Museum of Fine Arts**  
465 Huntington Ave., Boston. (267-9300), Mon.-Tues., 10 a.m.-4:45 p.m.; Wed., 10 a.m.-9:45 p.m.; Thurs.-Fri., 10 a.m.-5 p.m.; Sat.-Sun., 10 a.m.-5:45 p.m. West Wing open Thurs.-Fri. until 9:45 p.m. Admission free with MIT ID, otherwise \$10, \$8 for students and seniors, children under 17 free; \$2 after 5 p.m. Thurs.-Fri., free Wed. after 4 p.m.  
Mon.-Fri.: introductory walks

through all collections begin at 10:30 a.m. and 1:30 p.m.; "Asian, Egyptian, and Classical Walks" begin at 11:30 a.m.; "American Painting and Decorative Arts Walks" begin at 12:30 p.m.; "European Painting and Decorative Arts Walks" begin at 2:30 p.m.; Introductory tours are also offered Sat. at 11 a.m. and 1:30 p.m. Permanent Gallery Installations: "Late Gothic Gallery," featuring a restored 15th-century stained glass window from Hampton Court, 14th- and 15th-century stone, alabaster, and polychrome wood sculptures from France and the Netherlands; "Mummy Mask Gallery," a newly

**Museum of Science**  
Science Park, Boston. (723-2500), Daily, 9 a.m.-5 p.m.; Fri., 9 a.m.-9 p.m.; Sat.-Sun., 9 a.m.-5 p.m. Admission free with MIT ID, otherwise \$9, \$7 for children 3-14 and seniors.  
The Museum features the theater of electricity (with indoor thunder-and-lightning shows daily) and more than 600 hands-on exhibits. Ongoing: "Discovery Center"; "Investigate! A See-For-Yourself Exhibit"; "Welcome to the Universe." Through Sept. 30: "Everest: Roof of the World"; "Living on the Edge." Through Oct. 31: "The Science of Autumn."

Ongoing: "Seeing Is Deceiving." Admission to Omni, laser, and planetarium shows is \$7.50, \$5.50 for children and seniors. Now showing: "Laser Beastie Boys," Thurs.-Sat., 9:15 p.m.; "Laser Dark Side of the Moon," Thurs.-Sat., 8 p.m.; "Laser Space Odyssey," Daily, 5:30 p.m.; "Laser Floyd's Wall," Fri.-Sat. at 10:30 p.m.; "Laser Metallica," Sun., 9:15 p.m.; "Laser Nirvana," Sun., 8 p.m.; "Laser Beatles," Mon.-Wed., 7:30 p.m. Planetarium shows include "Life and Death of the Sun."

**Swatch Museum**  
57 JFK St., Cambridge. (864-1227), Mon.-Sat., 10 a.m.-8 p.m.; Sun., noon-5 p.m.  
Ongoing: Swatch watches by Keith Haring, Christian LaCroix, Sam Francis, and others.

Events

**FoodFest**  
Sept. 26, 10 a.m.-6 p.m., Sept. 27, 10am-5pm. Bayside Expo. \$9 for adults, \$8 for seniors, free for children under 8. Info: 474-6000. A two-day consumer expo featuring fancy foods, gourmet products, cookware, kitchen tools, tabletop and food-themed items such as food art, clothing and more.  
**KidsCook**  
Sept. 27, noon-4 p.m. Children's Museum. \$10 for adults, \$5 for children, free 4 and under. Indoor and outdoor activities, demonstrations, and displays all about food and nutrition.

**ATTENTION**

**Undergraduate and Graduate Students**

The Corporation Joint Advisory Committee on Institute-Wide Affairs (CJAC) and the Screening Committee for the Nomination of Recent Graduates will hold a dinner meeting on

**Thursday, October 1, 1998**  
**6:00 - 8:00 p.m.**  
**Religious Activities Center (W11)**

This meeting will provide an opportunity to discuss issues relating to campus life, in particular the recommendations of the Task Force on Student Life and Learning. There will also be brief remarks about the process to elect a recent graduate to the MIT Corporation.

If you would like to attend, please call Michelle Hinkle in the Corporation Office, 3-2059, or <mdhinkle@mit.edu> Space is limited. Please reply by September 29.



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# Deutch Expounds on Science At TBP Lecture Series Kickoff

By Satwiksal Seshasal  
OPERATIONS MANAGER

Institute Professor John M. Deutch '61 criticized the conventional separation of science and engineering as distinct disciplines at the opening lecture to the Fall 1998 Tau Beta Pi Leonardo da Vinci Dinner Lecture Series held Monday.

"We must change the way we approach science and technology," Deutch said at the lecture, entitled "Why I Don't Believe in Science and Engineering."

Deutch, who returned to MIT in 1997, had pursued a distinguished career in the government for seven years which culminated in an appointment as Director of Central Intelligence.

Deutch began his speech by explaining that the conventional view of the difference between science and engineering is "not true today."

Science, according to Deutch, is commonly viewed as an "abstract, creative process" with little practical value. The dichotomy restricts science to the discovery of new ideas, he said, while engineering covers the application of new ideas. He then gave a few "specifically exciting" examples of why this dichotomy is not accurate.

Deutch spoke of cryptography, DNA research, high performance computers, and other areas of study which demonstrate the "tremendous blur between science and engineering." These areas, Deutch said, do not fit into either classical category of science or engineering. Terms such as "biotechnology" are used to avoid being restricted to one side of the spectrum.

Deutch went on to explain that the distinction between science and engineering has "no purpose at all" and "causes more trouble for us." Solutions to society's problems involve a "messed up mesh" of science and engineering, requiring interaction from both sides throughout the process. The "linear view" of science and engineering is "absolutely phony."

Deutch pointed out getting money from Congress as one major problem with the distinction made between science and engineering. Congress treats "basic research" involved in science as not practical enough to deserve funding, Deutch said. Engineering, in contrast, is viewed as not needing government funding because it can be funded by private interests.

Deutch called for the elimination of the schools of engineering and science at MIT, instead replacing them with one school containing all subjects. He then extended this proposal to the government, where he suggested that the executive branch departments, such as the State Department and the Defense Department, should be eliminated.

However, Deutch soon tempered his statements. Realizing that "this isn't possible," Deutch described a several more modest goals. He said that students should be encouraged at all levels to work in groups with students from different disciplines.

**Deutch fields students' questions**  
Answering questions from the audience, Deutch accepted a recommendation to extend his desire for integration to involve the arts. Students generally had a positive

reaction to the speech. Anand B. Ramakrishnan '01 said, "if anyone would know about this topic, it would have to be him, with so many years of experience."

Megan L. Hepler '99 agreed with most of his points, but felt that "the undergraduate experience should be solid in one field, while students can gain the broader experience in graduate school and beyond."

In discussing other issues after the talk, Deutch declined to comment on the current troubles of his former boss, President Bill Clinton, stating only "I am one of the guys who is really angry."

Ming-Hokng Maa '99, president of TBP, the engineering honor society which sponsored the event, noted

that "technical knowledge alone is not enough ... in our complex world." The weekly da Vinci dinners, he said, are unique because they are one of the only instances where interaction between students and faculty is expected rather than hoped for.

Keith Amonlirdviman '99, scholarship chair of TBP, said that each of the dinners will begin with an informal lecture by a distinguished faculty member. Speakers this year include Sheila E. Widnall '60, professor of Aeronautics and Astronautics, and Steven Pinker, professor of Brain and Cognitive Sciences. Dinners are open to TBP members only, however some lectures will be open to the entire MIT community.

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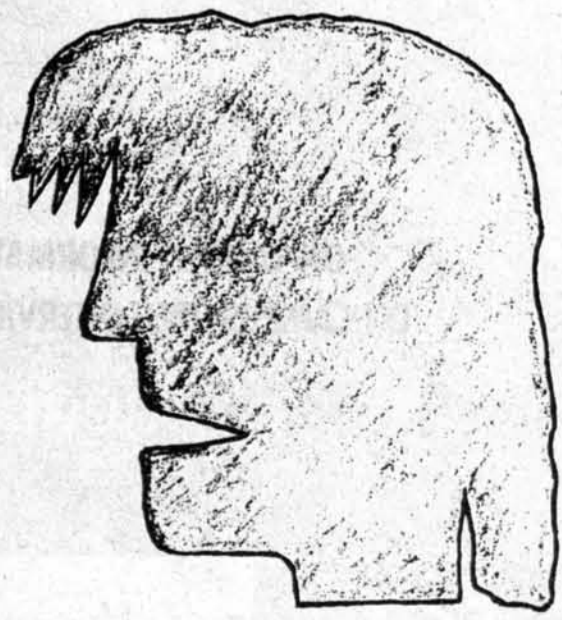
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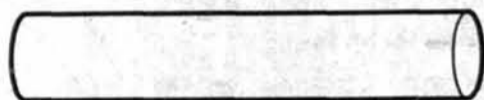


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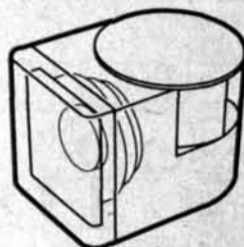
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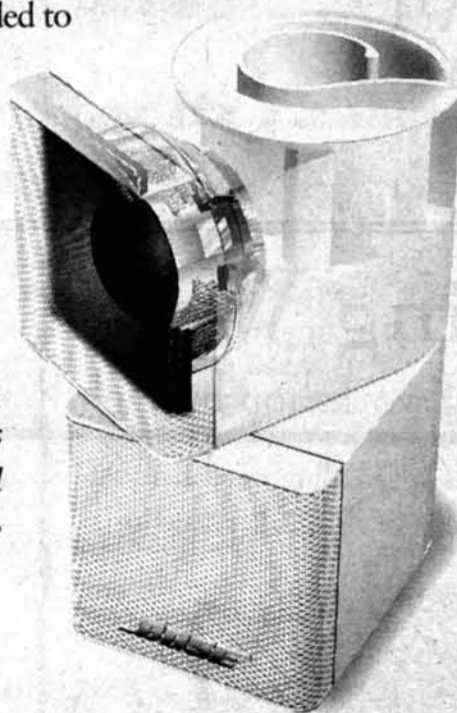


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**ON-CAMPUS OPEN INTERVIEWS – TUESDAY, OCTOBER 13, REGISTER AT THE MIT CAREER OFFICE.**

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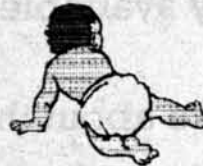
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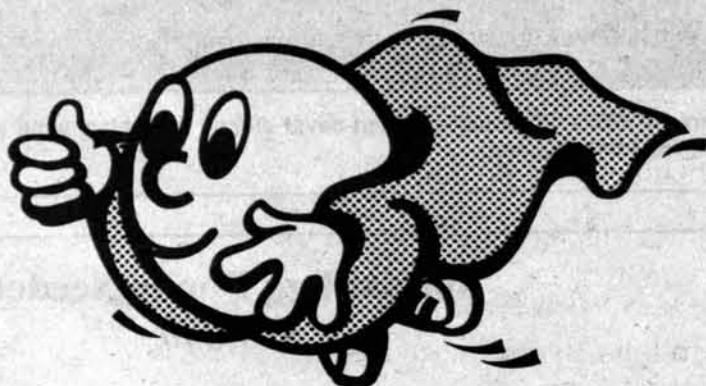
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### Information Session

Tuesday, September 29<sup>th</sup>  
4 - 6 p.m.  
Bush Room, Building 10

### Interviews

Thursday, October 15<sup>th</sup> and Friday, October 16<sup>th</sup>

Sign up with your department or at Career Services.

Interviewing candidates in Materials Science and Engineering, Chemistry, Chemical Engineering, Mechanical Engineering, Electrical Engineering and Computer Science.

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# 3M

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If you would like to be placed on our Interview Schedule please come to the Open House.

OCTOBER 1st - Room 66-110  
6 to 9:30pm - Open House  
7 to 8pm - Technical Presentation

**BRING YOUR RESUMES**

## Arts Council Offers MFA, BSO Discount

By Neena Kadaba

One of the best kept secrets at MIT is the various subsidies students can take advantage of to help them enjoy the performing arts in the Boston area.

One long-standing program offers free tickets to students with a valid MIT ID for select performances by the Boston Symphony Orchestra. Around 700 free tickets per year are offered through the program according to Susan R. Cohen, director of the Council of the Arts at MIT, which sponsors the program. The BSO program began in 1995.

In addition, the Museum of Fine Arts, independent of MIT, is offering a student discount to view a Monet exhibition this fall. While regular admission is \$15, students pay only \$5. Through another program sponsored by the Council of the Arts, MIT students already can get into the MFA at no cost with their MIT ID.

"I am delighted that the Council for the Arts at MIT sponsors such programs. I know that we have hundreds of students who attend the BSO as well as the various performing arts events we sponsor during the school year," Cohen said.

Another popular program is the Performing Arts Excursion series,

which enables students to attend other performances in the area. Later this year students will have the opportunity to attend a play by August Wilson Jitney, as well as the National Ballet of Senegal.

"It's great to know that MIT sponsors experiences in the arts, as well as sciences. Its not often that students have such a great opportunity. I plan to take advantage of it during my years here," said Jennifer C. Schymick '02.

The Council of the Arts is a 'mini-foundation' made up of 97 alumni and friends of MIT who make contributions every year to sponsor these sort of programs. The council's stated goal is to enrich student's lives by providing for more cultural experiences.

The council has spent over \$1 million on its programs since 1974.

Tickets to the BSO are offered for the performances on Thursday evenings at 8:00, Friday afternoons at 1:30, Wednesday evening open rehearsals at 7:30, and Thursday morning open rehearsals at 10:30. Tickets are available on the day of the concert only, at the BSO box office window. There are usually 50 or more tickets available per show for approximately 10 shows during the academic year.

## CLASSIFIED ADVERTISING

### ■ Help Wanted

**Part Time** Gift shop in luxury hotel in financial district seeking student for part time work. Preferable Monday and Friday from 7am to ? and weekends downtime permits some studying pleasant, secure environment. Free meals and employee discounts. Contact Jean-Francois. At La Boutique (617) 542-8080

**The Bell Foundation Be a Tutor.** Make between \$7.00-\$10.00/hour. Also hiring work-study students. The BELL Foundation is looking for outstanding young men and woman who want to make a difference in the lives of Black children. We are recruiting part-time tutors for the 1998-1999 school year. Gain teaching experience, and work directly with children in the community. If you want to help Black children excel, contact Maria Koistinen, at (617) 868-1000 ext. 220

**Website designer** Small retailer seeking entrepreneurial student partner to launch website side of our business. We seek a creative innovated and knowledgeable person for more information contact Jean-Francois. At La Boutique (617) 542-8080

**Visual C++ Programmers wanted,** work at school or our office. Exciting Global Positioning System software. Salary negotiable, full or part-time. [www.teletype.com/gps](http://www.teletype.com/gps), Call, Ed Friedman 734-9700. Email resume to [ed@teletype.com](mailto:ed@teletype.com).

**EARN UP TO \$480.00/MONTH!!** Healthy men needed as sperm donors. Must be 5'9" or taller, ages 19-39. Call California Cryobank to see if you qualify @ (617) 497-8646!

**Harpoon Brewery is looking for Permanent part-time help** M-F for Bottling Line. Fax resume with available times to 617-482-9361. Attn: Al.

**Get Paid To Party!!!!** Festive Events is looking for outgoing people to learn DJ entertaining. Great source of extra cash. Full training provided! Must have car. Must be available weekends. Call 1-508-881-1095 for more info.

**NATIONAL PARK EMPLOYMENT** - Find the ideal job in America's National Parks, Forests & Wildlife Preserves. All skill levels. Competitive wages + benefits. Ask us how! 517-336-4298 Ext.N50331

**\$9.00/hour and all the candy you can eat!** Student callers needed for growing Tech Caller Program. Build communication skills while raising money for the MIT annual fund. \$9.00/hour (6 hrs/week minimum) plus incentives, contact Marilyn Silverstein at 252-1608.

**Earn \$\$ doing babysitting:** occasional mornings/afternoons, evenings or weekends, whatever time you have available. Join the MIT Family Resource Center student babysitting list to get jobs working for MIT families. Call 253-1592 for an application; must have an MIT affiliation.

### ■ Information

**Don't Be Stupid!** College dormitory phones ripping you off? Enjoy major telephone savings anytime! <http://www.BestTelephoneRates.com> 1-888-887-6898 toll free hotline

**Free Cash Grants!** College Scholarships. Business. Medical bills. Never Repay. Toll Free 1-800-218-9000 Ext. G-3797

### ■ Travel

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1-(800) 457-2775  
E-mail: [mstp@mcw.edu](mailto:mstp@mcw.edu)  
Web Site: [www.mcw.edu/mstp](http://www.mcw.edu/mstp)

# 1 Alcohol poisoning?

## When in doubt, check it out

If a friend has any ONE of these symptoms of alcohol poisoning:

- breathing fewer than 8 times per minute, or irregular breathing with 10 seconds or more between breaths
- passed out, appears unconscious or cannot be awakened
- cold, clammy pale or bluish skin
- vomiting while sleeping or passed out, or not waking up after vomiting
- no pulse
- stopped breathing

**On campus: call 100 immediately**  
**Off campus: call 911 immediately**

These symptoms are signs of a **medical emergency**. When in doubt, check it out. It is better to be nosy and safe than regret that you didn't do more.

*Most MIT students drink safely and many don't drink at all. Whatever your choice, these tips may help you or a friend in need.*

**Signs of a potential problem:**

- consuming a large quantity of alcohol in a short amount of time (multiple, rapid shots; funnels, chugging)
- slurred speech
- impaired motor control (stumbling, cannot walk, etc.)
- vomiting

**If you notice any ONE of these signs:**

- Keep a close watch on your friend. Even after stopping drinking, the effects of alcohol can become more pronounced over time. Your friend is still at risk of alcohol poisoning. **Do not leave your friend alone.**
- Watch for symptoms of alcohol poisoning and call for help immediately if you notice your friend progressing to severe intoxication.
- **If your friend is sleepy or out of it, make sure your friend is on his/her side**, so that if he/she vomits, the vomit will not cause choking and suffocation. Propping your friend up with a pillow in front and in back will lessen the likelihood of rolling onto his/her back.
- **Stay with your friend.** Wake your friend up frequently—every 15 minutes or so. If your friend doesn't awaken easily, get help.
- Contact your Tutor or Housemaster.
- Contact Campus Police (100) for advice or for an escort to MIT Medical (24 hours).
- **If you are unsure** of what to do, call MIT Medical (617/ 253-1311, 24 hours) for advice. All calls and visits to MIT Medical are strictly confidential.

# ALCOHOL

*just the facts*

**Emergency numbers**

On campus Emergency	100
Off campus Emergency	911
MIT Medical Urgent Care	617/ 253-1311
MIT Campus Police	617/ 253-1212

**More information from MIT Medical**

Health Education	617/ 253-1316
Internal Medicine	617/ 253-4481
Mental Health	617/ 253-2916



one of a series from  
**MIT Medical**

## Finding out more

■ **MIT Medical (E23)**

Personal Physicians	617/ 253-4481
<i>medical advice, counseling</i>	
Mental Health	
<i>counseling, referral</i>	617/ 253-2916
Personal Assistance Program	
<i>Ron Fleming, Ph.D.</i>	617/ 253-4911
MIT Alcohol Support Group	617/ 253-4911
Al-Anon and AA	617/ 253-4911
<i>campus support meetings</i>	
Health Education	617/ 253-1316
<i>info, speakers, programs</i>	

*Most MIT students drink safely and many don't drink at all. Whatever your choice, these tips may help you or a friend in need.*

■ **Office of the Dean of Students and Undergraduate Education**

Counseling and Support Services	617/ 253-4861
<i>(5-106) counseling and referral</i>	
Residence and Campus Activities	617/ 253-6777
<i>(W20-549) policy information, event registration</i>	

■ **Campus Police**

Legal advice, information, referral	617/ 253-1212
Crime Prevention / Sensitive Crimes	617/ 253-9755
<i>educational information:</i>	
<i>e-mail &lt;crimbite@mit.edu&gt;</i>	
<i>or visit &lt;web.mit.edu/cp/www&gt;</i>	

■ **Student-to-Student**

Nightline (7pm to 7am)	617/ 253-8800
<i>peer listening hotline</i>	
MedLINKS	<web.mit.edu/medlinks/www>
<i>referrals</i>	
UpFront	617/ 253-1307
<i>interactive educational workshops</i>	

■ **Other Help**

Chaplains see listing in MIT Directory

■ **Off Campus**

AA (Alcoholics Anonymous)	617/ 426-9444
<i>area support groups for alcohol users</i>	
Al-Anon	781/ 843-5300
<i>support groups for friends and family affected by another's drinking.</i>	
Mass. Drug and Alcohol Hotline	617/ 445-1500
Bridge over Troubled Waters	617/ 423-9575
<i>free drug /alcohol counseling for those under 25</i>	

**Emergency numbers**

On campus Emergency	100
Off campus Emergency	911
MIT Medical Urgent Care	617/ 253-1311
MIT Campus Police	617/ 253-1212

**More information from MIT Medical**

Health Education	617/ 253-1316
Internal Medicine	617/ 253-4481
Mental Health	617/ 253-2916

# ALCOHOL

*just the facts*



one of a series from  
**MIT Medical**



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In June 1998, Union Bank of Switzerland merged with Swiss Bank Corporation to create the new UBS AG.

We cordially invite the students of Massachusetts Institute of Technology to learn more about graduate opportunities on:

The investment banking businesses of both banks came together to form Warburg Dillon Read\* - one of the world's most significant investment banks.

Thursday, October 1, 1998  
 6:30 PM - 8:30 PM  
 Room 4-149

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September  
25, 1998

# COMICS

The  
Tech

# FUN PAGES

Page  
17

dammed for life

by Jessica



bartholemew squeak



Dilbert by Scott Adams



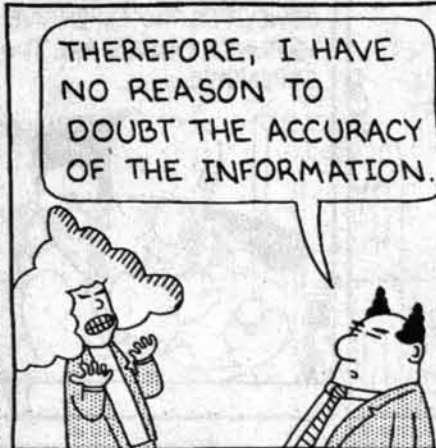
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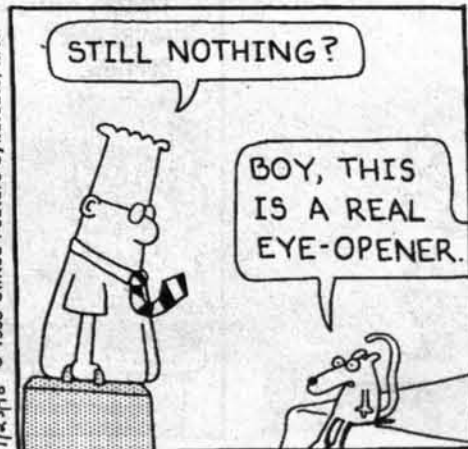
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www.dilbert.com S.Adams

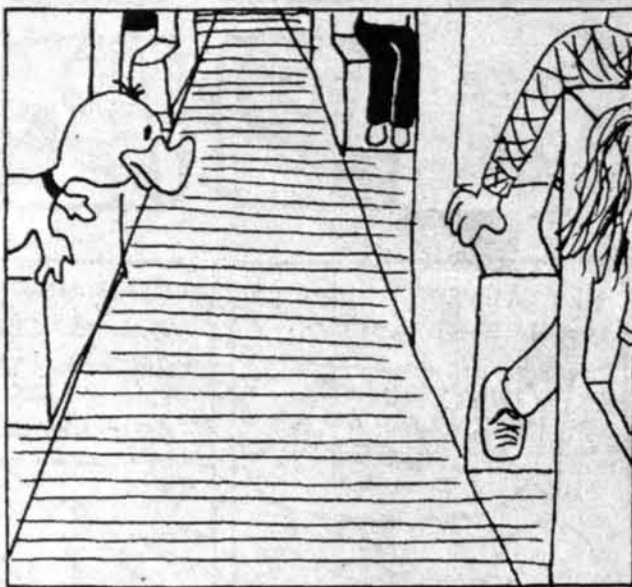
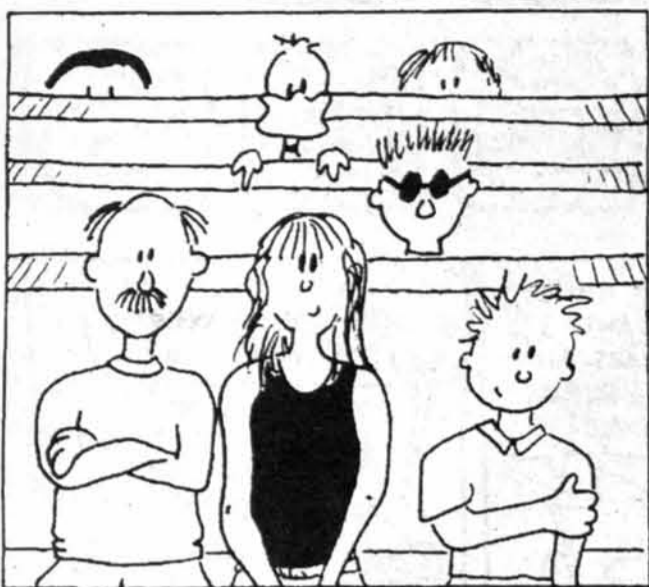


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Down with Science

by Jennifer DiMase



Randomland

by XiD

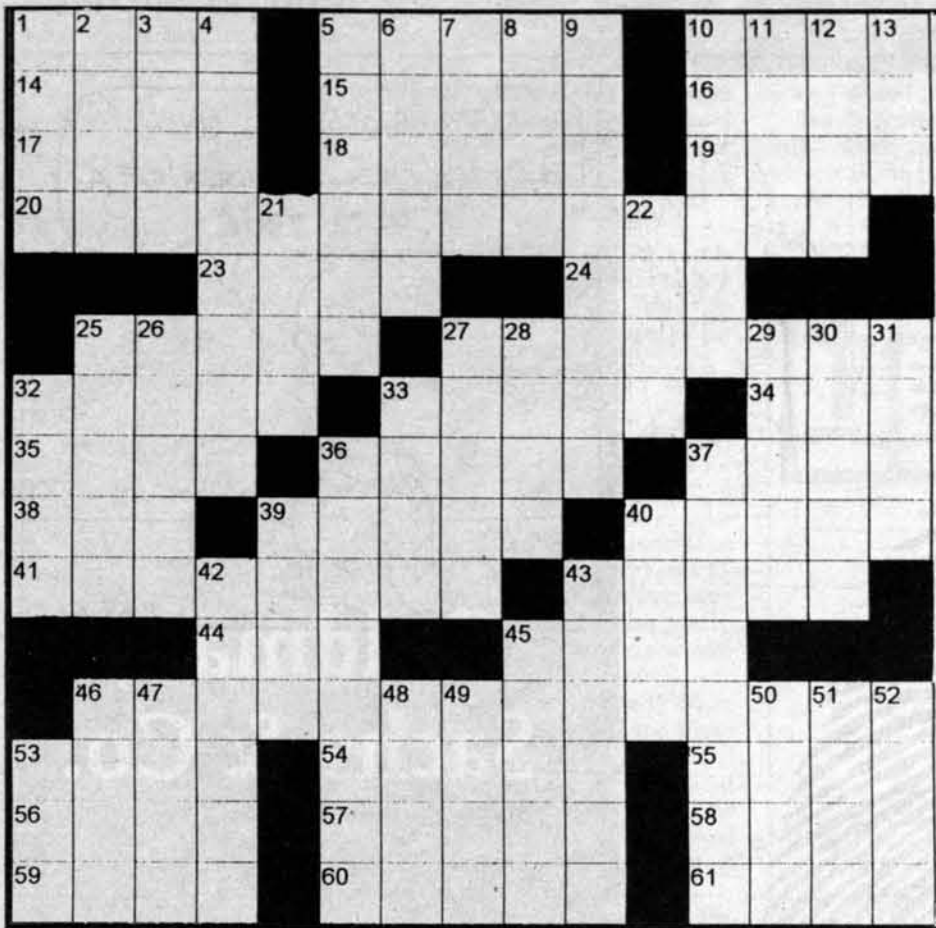
COFFEE — THE MOST UNDERRATED PRE-REQ OF ALL TIME



by Bill Amend



Foxtrot



ACROSS

- 1 Italian wine region
- 5 Cowboys' gear
- 10 First class ride, abbr.
- 14 Stephan, Martha, et. al.
- 15 \_\_\_ house of Alexandria
- 16 Assert
- 17 Caesar and \_\_\_; aka Sonny and Cher
- 18 Greek marketplace
- 19 Smelly
- 20 Nebuchadnezzar's wonder
- 23 Legendary birds
- 24 Bunk or guest, e.g.
- 25 Woman's name, var.
- 27 His memorial is at Halicarnassus
- 32 Fields
- 33 Studied Alps glaciation
- 34 Expected landing info.
- 35 Glowing
- 36 First name for Pearl Jam "\_\_\_ Roink"
- 37 Last after, with for
- 38 Canard
- 39 Main artery
- 40 Desires
- 41 Statue, in Rhodes
- 43 A Cuban, figuratively
- 44 Philadelphia based educators org.
- 45 Sound of understanding
- 46 Egyptian Wonders
- 53 Burlesque show, var.
- 54 Yellow clay
- 55 Photographic abbr.
- 56 Pub quaffs

- 57 Pudd' \_\_\_ Wilson, Twain character
- 58 Loud
- 59 In synchrony
- 60 Roman Goddess' with a wonderous Temple
- 61 "\_\_\_ Quam Videri", North Carolina's State motto

DOWN

- 1 Gateway
- 2 Lounge in Madrid
- 3 High schooler
- 4 Transplantation between twins
- 5 "The Hunt for Red October", author
- 6 British particle physicist
- 7 In awe
- 8 Mane Ground of Thailand
- 9 Coffee chain
- 10 Texas border town
- 11 "The Terrible"
- 12 One of two rooms
- 13 Where Minky honeymooned
- 21 Charged particles
- 22 Study aid
- 25 Wine maker
- 26 Large bay window
- 27 Satisfies
- 28 Santa

By Anthony R. Salas

- 29 First name in hotels
- 30 Mumble
- 31 Insolence
- 32 After bath powder
- 33 Brazilian neighbor
- 36 Fair \_\_\_; poisoned by Eleanor of Aquitaine
- 37 English Cemetery of historical significance
- 39 Part of AIBB
- 40 French singer and actress
- 42 Charge
- 43 Cord, in Latin
- 45 Southeast Asian body
- 46 Soccer great
- 47 Jacques Cousteau
- 48 One, in Japan
- 49 Popular dietary supplement
- 50 Stock market events
- 51 His statue is at Olympia
- 52 Commedia dell' \_\_\_
- 53 Aries, for one

PUZZLE SOLUTIONS



# TechCalendar

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

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

Friday's Events

- 9:00 a.m. - 5:30 p.m. - **Digital Cities: Urban Environments and Interactive Technologies.** Commentary from urban planners and other scholars as well as hypermedia demos that recreate urban environments. Bldg. E15, Bartos Theater.
- 7:00 p.m. - **Lost In Space.** 'Danger, Will Robinson!' The Robinson family is adrift in deep space after the devious Dr. Smith (Gary Oldman) sabotages their mission to save Earth. 2 hours 7 minutes. Admission \$2.50. Room 26-100. Sponsor: LSC.
- 8:00 p.m. - **Roadkill Buffet Alley Show.** MIT's improv troupe performs in the great outdoors (provisional...). Alley next to Bldg. E33.
- 10:00 p.m. - **Lost In Space.** 'Danger, Will Robinson!' The Robinson family is adrift in deep space after the devious Dr. Smith (Gary Oldman) sabotages their mission to save Earth. 2 hours 7 minutes. Admission \$2.50. Room 26-100. Sponsor: LSC.

Saturday's Events

- 12:00 - 3:00 p.m. - **Weekly Meeting.** Drop in on our weekly meeting. Come for the food, the fun, and the film! Student Center, Room 451. Sponsor: Technique Yearbook.
- 7:00 p.m. - **The Object of My Affection.** George and Nina seem like the perfect couple. They share a cozy Brooklyn apartment, a taste for tuna casserole, and a devotion to ballroom dancing. There's only one hitch: George is gay. 2 hours 2 minutes. Admission \$2.50. Room 26-100. Sponsor: LSC.
- 10:00 p.m. - **The Object of My Affection.** George and Nina seem like the perfect couple. They share a cozy Brooklyn apartment, a taste for tuna casserole, and a devotion to ballroom dancing. There's only one hitch: George is gay. 2 hours 2 minutes. Admission \$2.50. Room 26-100. Sponsor: LSC.

Sunday's Events

- 3:00 p.m. - **Faculty Concert.** Professor Marcus Thompson, viola; Sue-Ellen Hershman,

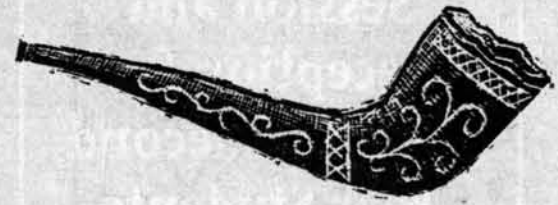
- flute; Nina Kellman, harp; David Witten, piano. Music by Ivan Tcherepnin, Sofia Gubaidulina, John Heiss and Franz Schubert. Building 14, Killian Hall.
- 6:00 p.m. - **The Tech General Meeting.** Interested in joining *The Tech* this term? Come by to meet our staff. Dinner is provided. Student Center, Room 483. Sponsor: The Tech.
- 7:00 p.m. - **Lost In Space.** 'Danger, Will Robinson!' The Robinson family is adrift in deep space after the devious Dr. Smith (Gary Oldman) sabotages their mission to save Earth. 2 hours 7 minutes. Admission \$2.50. Room 26-100. Sponsor: LSC.
- 7:30 p.m. - 11:00 p.m. - **International Folk Dancing Beginner's Night.** Weekly dancing every Sunday. Student Center, Sala de Puerto Rico. Sponsor: MIT Folk Dance Club.
- 10:00 p.m. - **The Object of My Affection.** George and Nina seem like the perfect couple. They share a cozy Brooklyn apartment, a taste for tuna casserole, and a devotion to ballroom dancing. There's only one hitch: George is gay. 2 hours 2 minutes. Admission \$2.50. Room 26-100. Sponsor: LSC.

Monday's Events

- 7:00 p.m. - **Stand and Deliver with Professor Amar Bose.** Jaime Escalante (Edward James Olmos) is a teacher who adopts unconventional methods to turn gang members into top students. Introduced by Amar Bose, MIT Professor and Chairman of Bose Corporation. 2 hours 15 minutes. Room 10-250. Sponsor: LSC.

Tuesday's Events

- 6:00 p.m. - **The Future of Turkey's Place in the West.** Tansu Ciller, former Prime Minister of Turkey and the country's first woman Prime Minister, will speak on Turkey's relationship to the West. 1 hour 30 minutes. Building E51, Wong Auditorium. Sponsor: LSC.
- 6:30 p.m. - **Disposition.** Architecture lecture by James Corner, University of Pennsylvania. Room 10-250.



# YOM KIPPUR

## REFORM SERVICES

MIT Chapel  
 Tuesday, Sept. 29, 6:30 pm  
 Wednesday, Sept. 30,  
 10:30 am & 5:00 pm

## CONSERVATIVE SERVICES

Kresge Little Theatre  
 Tuesday, Sept. 29, 5:45 pm  
 Wednesday, Sept. 30,  
 9:00 am & 4:30 pm

- ◆ Tickets are required for all KOL NIDRE services. Tickets are available at the MIT Hillel office through Sept. 28 and in Lobby 10 on Sept. 25 and 28
- ◆ A pre-fast meal will be served at Hillel. Reserve and pay by Friday, Sept. 25.
- ◆ A break the fast will be held after services in the Kresge Lobby.
- ◆ MIT HILLEL, 40 Mass Ave MIT Bldg W11 lower level, 253-2982

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**to move a computer company from dorm room to boardroom.**

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**Goldman  
Sachs**

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**[www.gs.com](http://www.gs.com)**

**Monday, September 28, 1998**

**Firmwide  
Information  
Session and  
Reception for  
First and Second  
Year Students**

**6:00 pm - 8:30 pm  
Cambridge Marriott  
Salon 4-2<sup>nd</sup> Floor**

**Casual Attire**

# More Career Fairs Will Round Out Fall Recruitment

Career Fair, from Page 1

the works. The next career fair will be the MIT Society of Women Engineers career fair on Oct. 23, co-sponsored by the MIT Career Council. About 100 companies are estimated to attend.

SWE also holds a banquet in conjunction with the fair so that members can have an extra chance to meet company representatives. This year, the banquet will be held on the same day as the career fair rather than the night before as in the past.

"This was changed in response to many students' preference of having the career fair and banquet on the same day since a lot of people live across the bridge. Also, this is the first time we're collaborating with another club," said Sally Yu '00, SWE career fair co-chair.

The SWE career fair will also be open to students at Boston University, Wellesley College, Harvard University, and Boston College, Yu said.

"We've diversified the company representatives this year. Usually we mainly have engineering firms but this year we have an increasing number of finance and consulting firms as well," Yu said.

The Graduate Student Council career fair will be held on Nov. 13. "The Graduate Student Career Fair is the only fair that focuses specifically on the recruiting of advanced degree holders by companies through broad disciplines," said Philip T. Yoon G, one of the GSC's career fair organizers. "We are expecting 50 plus companies," he said.

The GSC has improved their career fair organization from last year "to meet the demands by students and companies. For example, companies will receive resumé books in paper version as well as on CD-ROM, thus allowing for search functions," Yoon said.

## Spring career fairs smaller

While the largest career fairs will be held over the next few months, the spring term brings its own career fairs for the end of the recruitment season.

The European Career Fair will be held Jan. 27, with about 40 companies expected to attend. "The major goal remains to focus on the European job market and any major European, American or global company offering job opportunities in Europe," said Benon Z. Janos G, one of the organizers. Companies seeking employees for both permanent and temporary assignments will be represented, Janos said.

This year, the Tau Beta Pi career fair is co-sponsored by the Sloan Undergraduate Management Association, the Bio-Medical Engineering Honor Society, and the Pi Tau Sigma Mechanical Engineering Honor Society, in an effort to diversify the student audience and scope of recruiters. The career fair will be held on Feb. 5. "Historically, we've received around 90 companies," said Ming-Hokng Maa '99, one of TBP's career fair organizers.

"All proceeds go towards TBP projects such as paying the Boston Museum of Science \$7000 per annum to allow free entrance by

MIT students," Maa said. He also cited the TBP Leonardo da Vinci Dinner Series and the Engineering Futures Program as other recipients of the TBP career fair profits.

The final career fair of the year will be co-sponsored by the American Indian Science and Engineering Society, the National

Society of Black Engineers, and the Society of Hispanic Professional Engineers. It will be held on Feb. 19.

"All of the career fairs are run by student organizations. The only thing we do is post it on the web site for the company's information," said Carole A. Ferrari, assistant director of recruiting at the Career

Services Office.

"We would certainly advise students that attending career fairs is very beneficial to them just to find out more about a particular company and to gather information. It gives them the ability to make a better judgment on who to interview with," Ferrari said.



"Come, all you who are thirsty, come to the waters; and you who have no money, come, buy, and eat! Isaiah 55:1

Hungry? Come feed on the Word of God.



## Metropolitan New Life Welcomes Students!

Metropolitan New Life Baptist Church  
16 Beech Street  
Cambridge, MA 02140  
(617) 868-3261

Sunday Worship 11:00am

Take the T to Porter Square, Walk down Mass Ave in the direction of Porter Square Shopping Center for about 100 yards. Turn right on Beech St. Church is one block down on your right.

For more information contact: Steve Turley seturley@gcts.edu (617) 441-6267

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[variable annuity] policy, and is even competitive with the cheapest mutual fund complexes, though it offers far more benefits."<sup>2</sup>

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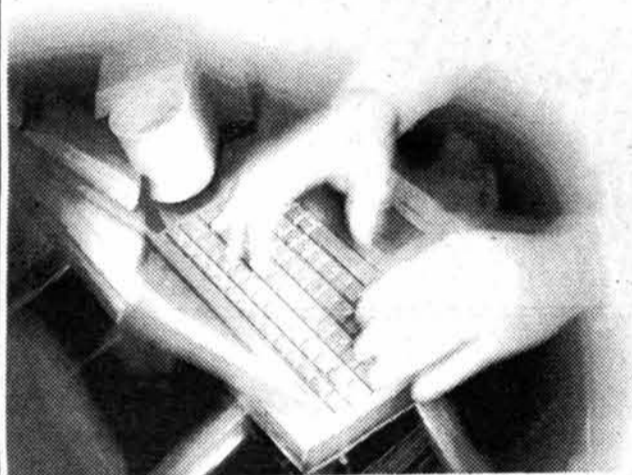
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New York, NY 10281  
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Equity Markets: Gabrielle Stielow

Merrill Lynch Europe Ltd.  
Ropemaker Place  
25 Ropemaker Street  
London EC2Y9LY  
Fax: 44-171-573-1976

**Asia Pacific Interview Date: Wednesday, October 21, 1998  
Location: The Charles Hotel**

Candidates interested in opportunities in Asia Pacific should submit a cover letter and resume directly to:

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Leena Prakash  
Merrill Lynch International Inc.  
18F, Asia Pacific Finance Tower  
3 Garden Road, Central  
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Fax: 85-22-536-3173

***Interview information for Japan to be determined.***

Candidates interested in opportunities in Japan should submit a cover letter and resume directly to:

Investment Banking  
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Reiko Tawara  
Merrill Lynch Japan Inc.  
Ote Center Building  
1-1-3, Otemachi, Chiyoda-ku  
Tokyo 100-8180  
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# Freshman Candidates Outline Platforms in Poster Campaign

Elections, from Page 1

listed in numerous platforms as possible activities.

Some candidates wanted to help negate some of the recent national press that MIT has received, and establishing a positive class identity was cited as the first step.

While a number of campaign posters are aimed at vote-getting, many candidates elected to state their entire platforms on posters. UA Election Commissioner Seth Bisen-Hersh '01 said that "the posters this year are much more based on real ideas, as opposed to posters that say 'vote so-and-so for such-and-such'." More people this year have posters that actually have what they're

going to do [if elected]."

While the number of candidates has not increased compared with last year, the amount of publicity has been unusual. Dormitories and hallways across campus are lined with posters, almost to the extent that they have become indistinguishable.

Elissa Schwartzfarb '02, a candidate for vice president, said that "with so many posters all around, posters will not be a deciding factor in the election." She felt that direct contact with voters would be most influential.

Freshmen had the opportunity to meet candidates at study breaks Tuesday night at Baker House and the Wednesday night at East Campus. Approximately 75 fresh-

men consumed fourteen pizzas at Tuesday's study break, but the crowd seemed to be mostly candidates and their campaign workers.

Running for president are ten candidates: Robert A. Finn '02, Jesse Gutkowski '02, Yevgeniya A. Nusinovich '02, Andrew W. Pak '02, Carl E. Patten '02, Rory P. Pfeiffer '02, Kapil Rastogi '02, Sanjay K. Rao '02, Schmelzer, and Andrew M. Starr '02.

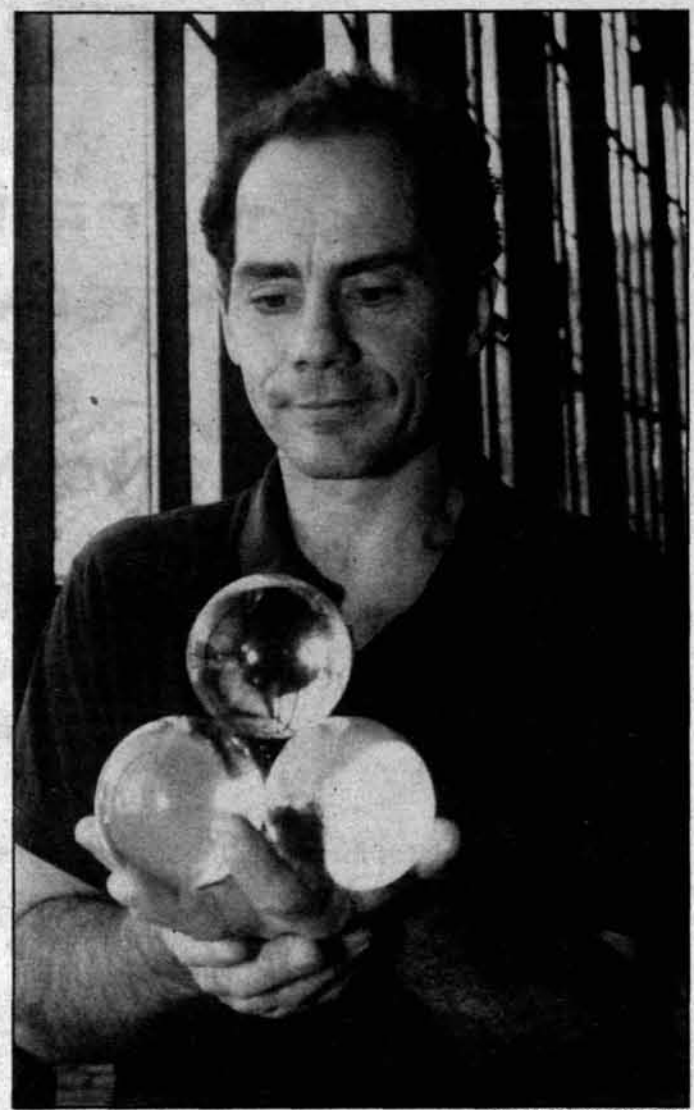
Running for the office of vice-president are seven candidates: Jimmy C. Chang '02, Sudeb C. Dalai '02, Wanchieh Lee '02, Raymond Morales '02, Parris, Dhruv Puri '02, and Schwartzfarb.

Running for the office of secretary are three candidates: Winston D. Chang '02, Teresa H. Ko '02, Stephanie C. Leung '02.

Running for social chairs are four groups of candidates: Phillip B. Armour '02 and Linda M. Yu '02, Denise B. Cherng '02 and Madeline M. Close '02, Sonia Garg '02 and Joyce W. Lee '02, and Bhumika M. Patel '02 and Gregory C. Townsend '02.

Running for the office of treasurer are seven candidates: Mendel Chuang '02, Amy I. Katz '02, Jessica J. Lin '02, Diana Ng '02, Foluso O. Okunsiende '02, Vibhav S. Rangarajin '02, Pauravi M. Shah '02.

Only one team is running for the titles of publicity coordinators: Catherine B. Chen '02 and Annie K. Wang '02.



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9

10

Calendar

▶ SEPTEMBER

- 25
Career Fair Resume Submission Deadline
- 28
Activities Committee Meeting \*
- 29
Academics, Research & Careers Meeting \*

▶ OCTOBER

- 07
General Council Meeting \*
- 15
Deadline to Become GSC Representative
- 19
Funding Board Appeals Meeting \*

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

## 1998 Graduate Student Career Fair

The ARC Committee is currently soliciting resumes for the 1998 Graduate Career Fair. Resumes can be submitted to the GSC office (50-220) any time until Sept. 25 for hard copies and Sept. 30 for electronic versions. One page is allowed for Masters students and two pages for Ph.D. candidates. More information can be found at: <http://www.mit.edu/activities/gsc/CareerFair/students.html> or by emailing [gsc-careerfair@mit.edu](mailto:gsc-careerfair@mit.edu).

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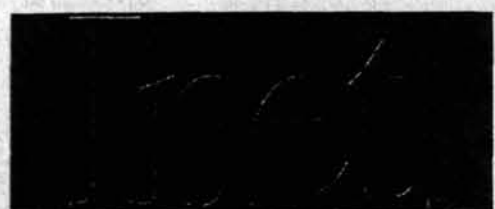
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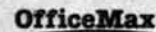
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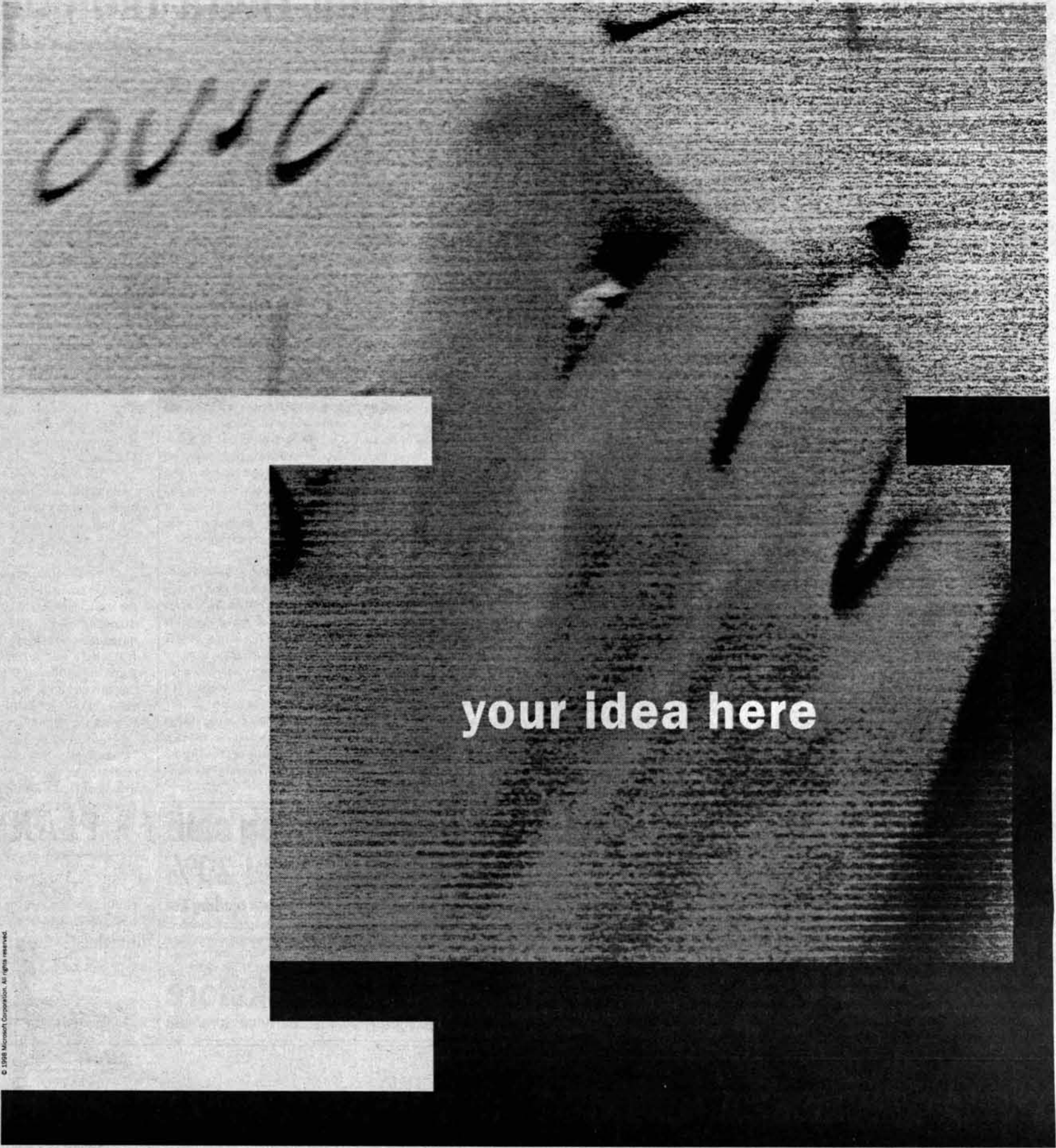
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# Questions Remain After Phi Gamma Delta Indictment

## Commonwealth's Statement of the Case

*This is the full text of the Commonwealth's Statement of the Case in Commonwealth v. Phi Gamma Delta Fraternity, submitted by Assistant District Attorney Pamela J. Weschler.*

Now comes the Commonwealth in the above-captioned matter and, for purposes of the Court's edification, respectfully files the following Statement of the Case:

During the early morning hours of Saturday, September 27, 1997, eighteen-year-old Scott Krueger fell into an alcohol-induced coma at the Massachusetts Institute of Technology's Phi Gamma Delta fraternity, located at 28 The Fenway in the City of Boston. Scott Krueger had become gravely ill after drinking an inherently dangerous amount of alcohol at an organized, mandatory, annual fraternity hazing event. While at this event, fraternity officers and members provided Krueger with enough alcohol to raise his blood-alcohol level to .401 — a toxic amount that is more than five (5) times the legal limit in Massachusetts.

Scott Krueger had arrived at MIT's freshman class orientation from his hometown of Orchard Park, New York on August 20, 1997. Four days later, on August 24, 1997, Krueger "pledged" and moved into a basement room at the Phi Gamma Delta fraternity, some two months after his high school graduation. During the weeks immediately preceding Scott Krueger's death, the Phi Gamma Delta fraternity had hosted several social events during which many underage students became ill from over-consumption of alcohol.

On Wednesday, September 24, 1997, Krueger and the rest of his twelve-member "pledge group" were told by their fraternity's elected "pledge trainer" that an event, traditionally called "Animal House Night", would be held on the evening of Friday, September 26, 1997. The pledge trainer advised these twelve freshmen pledges that their attendance was mandatory and that they would meet their fraternity "big brothers" at the end of the night. The pledges were told that they were to gather together that night at 8:30 p.m. in a designated room at the fraternity, watch the movie "Animal House", and collectively drink a certain prescribed amount of alcohol. Scott Krueger expressed anxiety about the event to his twin sister and to fellow pledges at MIT. Like most eighteen-year-olds fresh out of high school, Krueger had limited experience with alcohol before arriving at MIT and moving into an MIT fraternity.

During the first part of the event on the night of September 26, 1997, the Phi Gamma Delta "pledge trainer" provided the group of pledges with beer and a bottle of Jack Daniels whiskey that he had purchased earlier. The pledges consumed all of the alcohol. At about 11:00 p.m., the fraternity "big brothers" entered the "Animal House" room and the pledge Gainer ordered the pledges to line-up. The "big brothers" were introduced and then the whole group sang a Phi Gamma Delta drinking song that ended with the words "drink her down, drink her down, drink her down, down, down". Each "big brother" had an additional bottle of hard liquor to share with his "little brother". Scott Krueger's "big brother" presented him with a bottle of Bacardi spiced rum.

As the event wore on, Krueger began complaining of nausea, and lay down on a couch. Within minutes he began to lose consciousness. Two "big brothers" of the fraternity then carried Krueger to his new bedroom in the fraternity, placed him on his stomach, and positioned a trash can nearby. Approximately ten minutes later Krueger was unconscious and covered with vomit. Instead of immediately calling 911, a fraternity member

dialled the MIT campus police who in turn transferred the call to 911. Emergency medical technicians responded quickly and discovered that Scott Krueger was not breathing, his face was blue, and he had choked on his own vomit. He was rushed by ambulance to Beth Israel Deaconess Hospital in Boston, where he remained in a coma for some forty hours until he was ultimately pronounced dead on Monday, September 29, 1997.

An autopsy performed the following day at the Office of the Chief Medical Examiner revealed that the cause of Scott Krueger's death — in medical terms — was acute alcohol intoxication and aspiration. An extensive investigation by a Suffolk County grand jury over the next twelve months revealed that the cause of Scott Krueger's death — in real terms — was the wanton and reckless conduct on the part of the Phi Gamma Delta fraternity, its officers, and its members in promoting and orchestrating the "Animal House" drinking event, supplying an inherently dangerous amount of alcohol, and then abandoning Scott Krueger when he was in dire need of medical treatment.

This was not the first time that police and medical personnel had responded to an alcohol-related incident at MIT's Phi Gamma Delta fraternity. In fact, the fraternity was notorious for its frequent parties and availability of alcohol. As of the fall of 1997, the Phi Gamma Delta fraternity had a history of ongoing problems associated with dangerous underage drinking that dated back at least five years. Boston police officers, MIT police officers, and various medical personnel had been called to the fraternity on at least fifteen (15) different occasions during the preceding five years — for complaints ranging from drinking and loud parties to fighting, and most significantly for students requiring medical assistance from "binge" drinking.

In 1996 and again in 1997, the City of Boston Licensing Board disciplined the fraternity for drinking-related violations. One of these violations involved a party with over one-thousand students, most of whom were under twenty-one years of age. Neighbors also had repeatedly complained to MIT administrators and fraternity officials about drinking, noise and trash from parties at this fraternity. One neighbor described the situation as "dangerous". Even fraternity alumni themselves had recommended that an alcohol ban be imposed on the fraternity house and, in May of 1997, one fraternity graduate noted that a student had almost died from a drunken, four-story fall from the house.

The fact that MIT's Phi Gamma Delta fraternity was out of control was well-known throughout the Boston-area college community. In 1996, a Dean at nearby Boston College informed MIT administrators that three underage Boston College students had been at the Phi Gamma Delta fraternity on three separate occasions and had been served alcohol to the point that each had required hospitalization. The Boston College Dean wrote to MIT administrators that it seems that [the Phi Gamma Delta fraternity] is the place to go for freshmen women and there are no restrictions on either the age limit or quantity of alcohol served. Either of these incidents could have been very serious from both a medical and legal perspective. Anything you can do to address this issue would be appreciated."

MIT's Phi Gamma Delta fraternity never took any steps to curb their serious alcohol problems. Instead, the fraternity officers and members continued to encourage underage drinking by hosting the events and providing the alcohol. While many of these parties caused students to become ill from over-consumption of alcohol, the "Animal House" celebration proved fatal.

By Douglas E. Heimbarger  
EDITOR IN CHIEF

Although indictments against the MIT chapter of Phi Gamma Delta were handed out over a week ago, questions remain about whom exactly will sit at the defendant's table when the fraternity is indicted Thursday.

No individuals were indicted last week in connection with the death of Scott S. Krueger '01 last year. Instead, Suffolk County District Attorney Ralph C. Martin II indicted the fraternity chapter on one count of hazing and one count of manslaughter.

Martin said last week that he was unsure who would attend the indictment in Suffolk Superior Court on Thursday.

Those "living at the house at the time of the death" make up the Fiji group indicted, said James Borghesani, press secretary for Martin.

Fiji was indicted as an unincorporated association based upon common law, Martin said. In the past, unincorporated associations have been sued, but they have not been indicted.

"The situation is complex legally and we are still trying to sort out" the case, said Bill Martin, executive director of Phi Gamma Delta's national fraternity. The national fraternity has not contacted any members of the local fraternity since the indictments, but it has been in contact with Malcolm Cotton Brown, the alumni corporation.

Boston attorney Michael O'Malley specifically was summoned to appear at the arraignment, *The Boston Globe* reported Tuesday.

O'Malley is generally a civil attorney dealing with insurance matters related to the case, sources said.

On Wednesday, court officials could confirm only that a summons had been issued to the group to appear next week. No attorney was listed as representing the group in Superior Court records.

If convicted, Phi Gamma Delta faces a \$3,000 fine for hazing and a \$1,000 fine for manslaughter.

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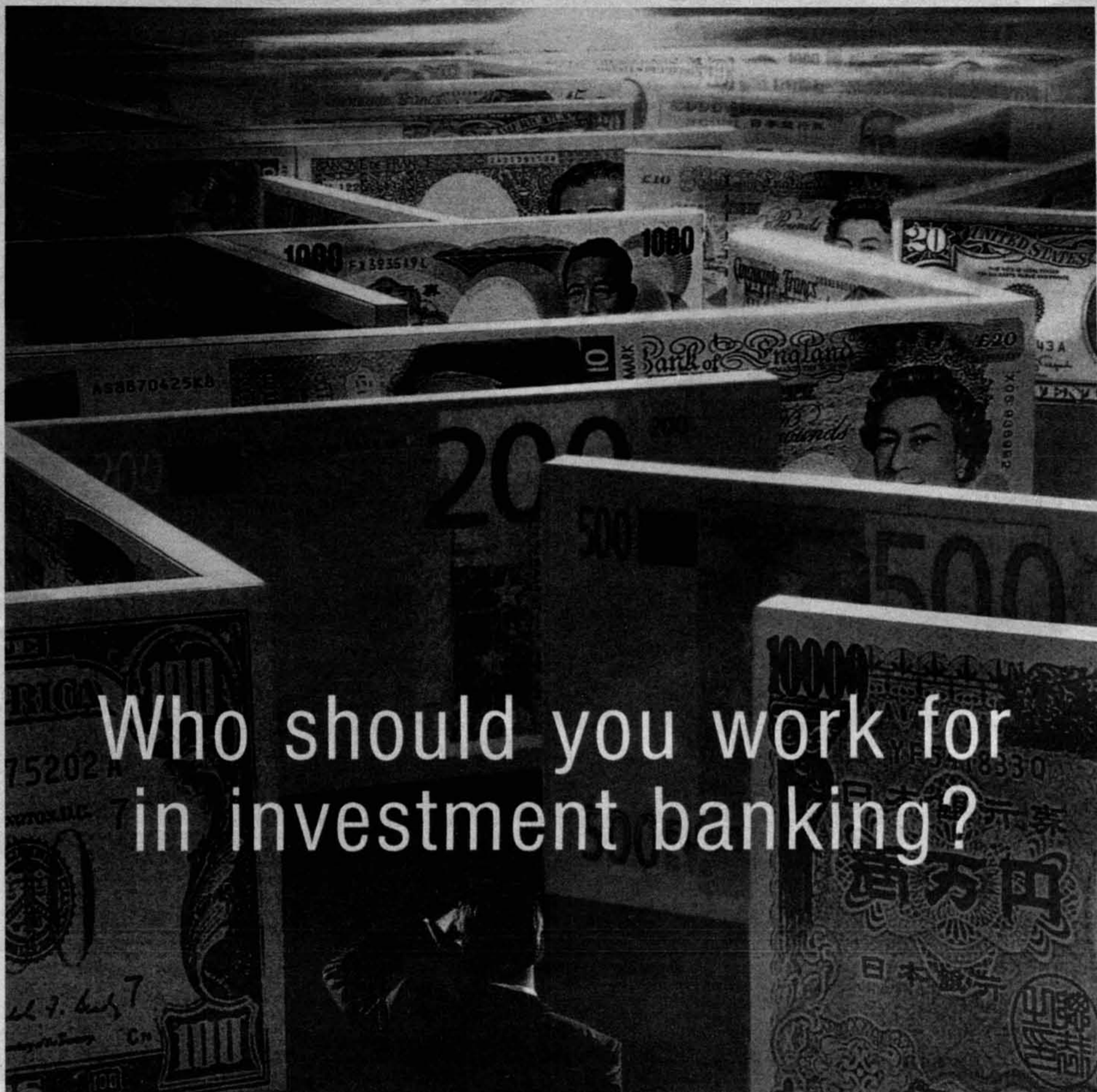
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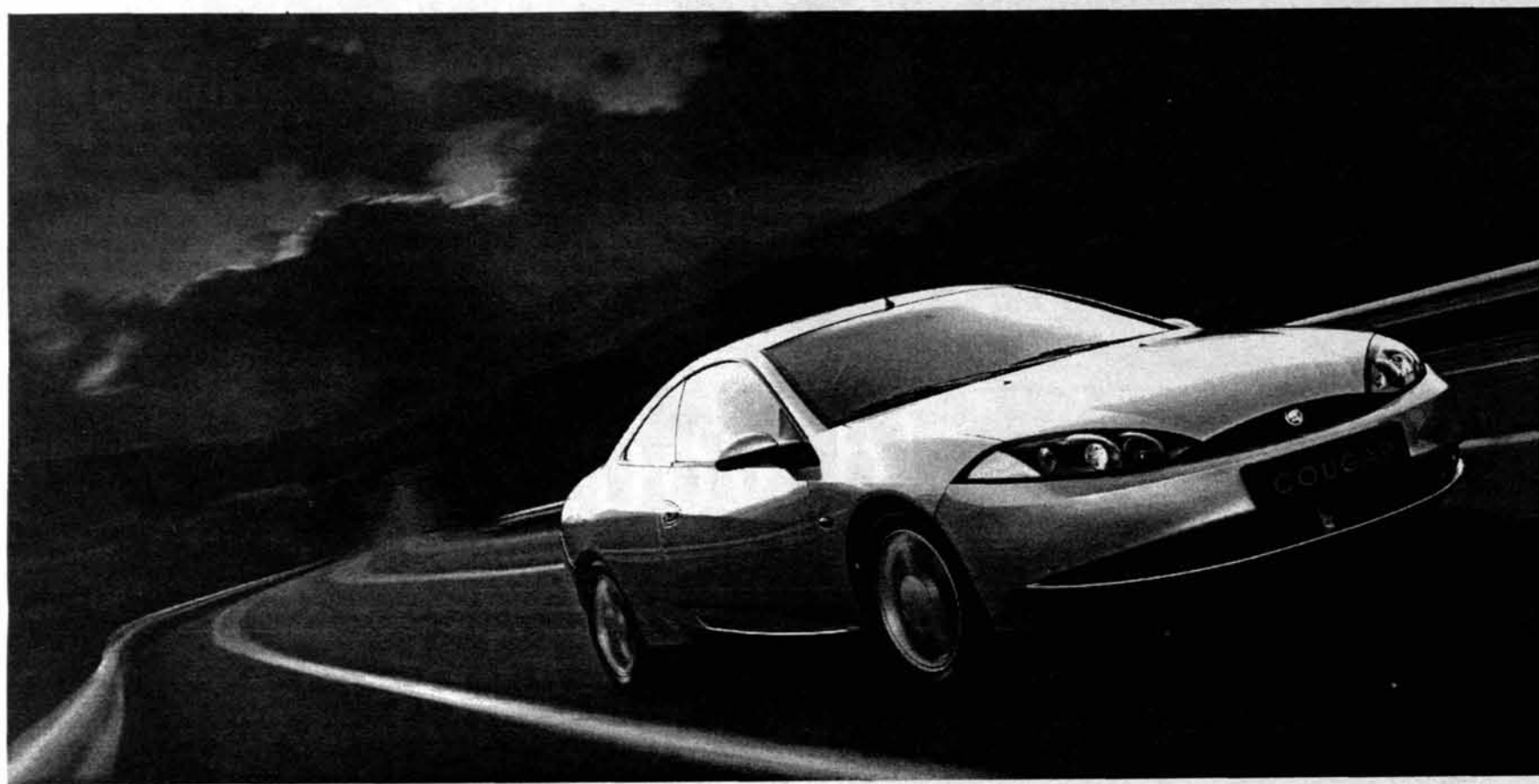
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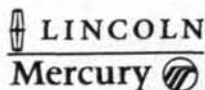
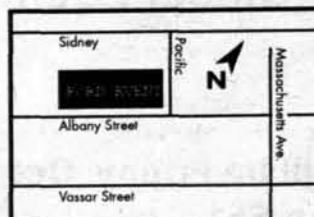
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# Ultimate Team Wins New England Division II Title

By Leon Hsu  
TEAM MEMBER

Last weekend, the men's ultimate team traveled to Portland, Maine to compete in the Eastern New England Division II sectional tournament. With a strong core of returning players and a very talented pool of new recruits, MIT made a strong impression at its first tournament of the season.

MIT began pool play by taking on local rivals Boston University and Tufts University. Solid man to man defense and a coordinated offense led to a decisive 13-3 victory against BU. Highlights includ-

ed an exciting foot block by Josh Lapan '02 and a behind the back catch in the end-zone by Matt Secor G. A close game against Tufts was broken open by a key defensive lay out block by Chris Wilmer '02. Taking the momentum, the Engineers won handily 13-6 and advanced to the quarterfinals.

In a quarterfinal matchup against the Maine club team Swell, MIT switched to a zone defense to try to take advantage of strong winds. The aggressive defensive play by Jay Bacow '02, Thad Matuszeski '99 and Wilmer in the cup position

forced Swell to turnover the disc several time. Led by the tight zone defense, MIT scored the final 9 points for a final score of 13-4.

The semifinal game was against the Rhode Island Chowdaheads club team. After trading points early on, MIT scored quickly to take a decisive 10-4 lead. Highlights included long scoring throws from Win Chevapravatdumrong '00 and Jeremy Lueck '99. The Chowdaheads then put together a run of points, bringing themselves back into the game at 12-10 before MIT finally closed out, winning 13-10.

As the sun began to set, MIT quickly prepared for the final game of the day, against the Maine Junk of Pork club team. The Engineers played aggressive man to man defense, shutting down Junk's down-field cuts and forcing their handlers to make risky passes, eventually turning it over. On offense, patience persisted over Junk's zone defense. Waiting for holes to open up, handlers Chevapravatdumrong, Bart Hendriks G, Leon Hsu G and Alex Lian G, kept the disc in play and Matuszeski, Lueck and Hunter Fraser '01 capitalized aggressively

on lapses in the zone, allowing MIT to slowly but surely push the disc down field. Pete Mayer '99, Andy Wong '01 and Edmund Chou '02 played solidly to seal the victory.

The game, capped due to darkness, ended on a long cross-field hammer throw from Hsu to Fraser, just outside the end zone. Fraser quickly passed the disc to Bacow for the score. With a final score of 11-3, MIT captured the Eastern New England Division II sectional title.

MIT begins play in the Boston Beanpot league today with a home game against Boston College.

## Women's Tennis Team Destroys Babson 9-0

By Nisha Singh  
TEAM CAPTAIN

The women's tennis team played against Babson College at home on Tuesday. Due to inclement weather, all matches were completed indoors. MIT won the conference match 9-0 to remain undefeated in the conference.

In doubles play, Mealani Nakamura '00 and Kelly Koskelin '02 won 8-2 at the first position. Jessica Hall '02 and Nisha Singh '00 won the last seven games of their match to prevail by a score of 3-3. The third doubles was won by MIT by default.

In singles, Nakamura won 6-3,

6-0 at the first position, while Koskelin won 6-0, 6-1 at second singles. Hall also won easily, 6-1, 6-0 at third singles, while Singh prevailed 6-2, 6-2 at fourth singles. Yi-Ning Cheng '02 dropped just one game in winning 6-1, 6-0 at fifth singles. Due to the fact that Babson only had 5 players, sixth singles was also won by MIT by default.

"I was happy with our focus throughout the match. It was a powerful win for us," said coach Carol Matsuzaki. The team next plays at home on Saturday against Mount Holyoke College in a conference match.

## Alumni Rugby Team Loses in Finals, Falls Short of Jim Culliton Trophy

By Randy Myers  
TEAM MEMBER

The men's rugby club fielded three of the six teams participating in the Jim Culliton Tournament this past weekend. In addition to the A-side and B-side teams, the MIT Old Boys, comprised of alumni, came out to support the charity event. Babson, the Lowell Highlanders and the Beacon Hill Dinosaurs were the other participants.

The A-side started off the day with a match against Lowell. MIT got out to a fast start with Todd Nightengale '00 scoring on a mis-ue by the opponent. Lowell quickly erased the deficit and then took the

lead on two tries and a conversion. Just before halftime, however, Steve Lasher G knifed his way through the Highlanders back line and cut the deficit to 12-10.

At the beginning of the second half, MIT capitalized on an early Lowell penalty with a kick from the fly-half and took the lead to stay at 13-12. A late score off a scrum from Nightengale produced the final score of 18-12.

Game two pitted Tech against the MIT Old Boys. The first try was scored by Dave Stracher '79 who had miraculously recovered from a gardening accident one month ago. The A-side put up a

fight but eventually lost 18-6 to the alumni team.

Saturday also marked the season debut of the MIT B-side as an independent team. Despite their intense play, the B-side lost two heart-breakers to Babson and Beacon Hill. The Dinosaurs went on to beat the MIT Old Boys 18-3 to take home their second straight Culliton trophy.

The second annual Jim Culliton Rugby Tournament raised over \$700 for the American Cancer Society. The late Jim Culliton was a member of the MIT athletic department as well as a great friend of the rugby club.

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## SPORTS

MIT Runners Upset  
Two Ranked TeamsBy Michael Parkins  
TEAM CAPTAIN

High temperatures and high hopes accompanied the MIT cross country team as they hosted Bates College and Tufts University last Saturday at Franklin Park. Coming into the event, Tufts was ranked eighth in the country and Bates 24th. However, the unranked Tech team was able to dominate both opponents.

At the one mile mark of the race the Tech trio of Mike Parkins '99, Mark Strauss '01, and Dan Feldman '02 formed the lead pack with one Tufts and one Bates runner. Similar clusters formed throughout the ranks as the Engineer runners gained position within striking distance of the opponents they knew they would need to beat to put MIT on top.

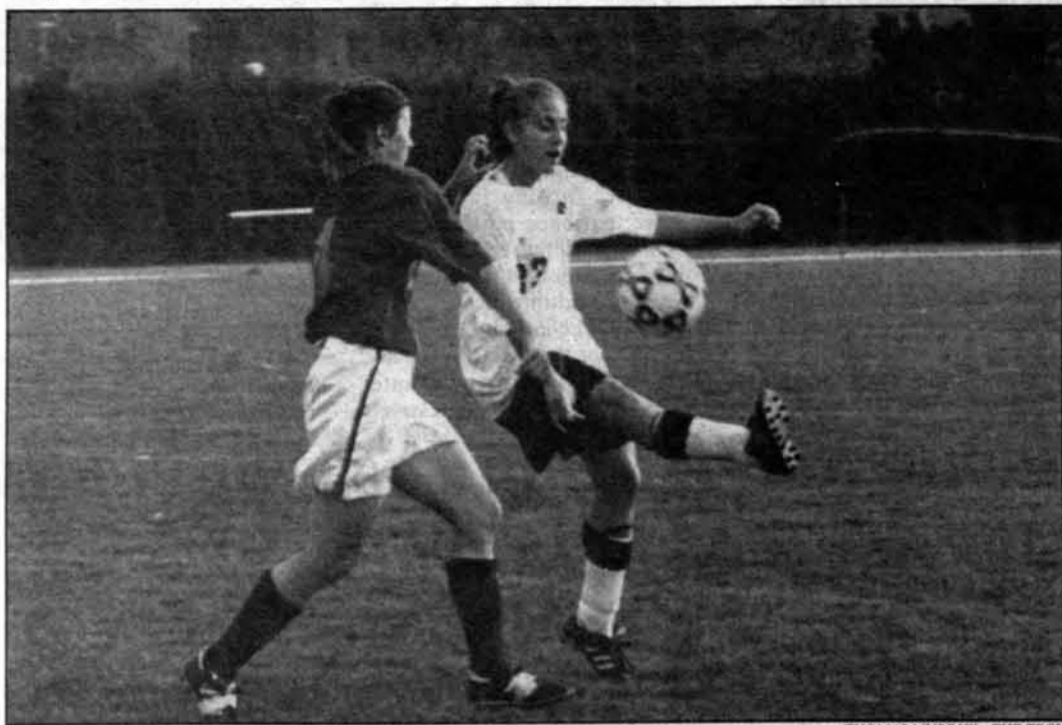
By the three mile mark, however, the situation did not look good for the Engineers. Tufts had seven runners in front of Tech's five man pack, and Bates had their scoring five in the thick as well. The Engineers' huge second pack of Leif Seed '99, Frank Johnston '00, Jeff Billing '01, Ed Keehr '01, and Phil Loiselle '01 was in striking position

but still running second behind Tufts.

The last mile proved critical as the Engineers strained to pull away from their opponents. Strauss charged for the win, but had to take second (25:31) as Bates Michael Danahey took the win in 25:29. Parkins followed closely in third (25:40), and Feldman pounded out a 26:01 sixth place finish. The big story, however, was Keehr, who dropped the hammer and passed a line of four Tufts runners over the last mile to finish ninth in 26:40. Johnston (27:01), Loiselle (27:12), and Billings (27:14) finished strong in 15th through 17th place, rounding out the scorers.

When the dust settled, the final result was MIT 35, Tufts 42, and Bates 48. "Hopefully we proved to ourselves that we are capable of beating any team in New England. We just need to be sure we don't get too cocky now," said Mike Parkins.

The Engineers take their undefeated record back to Franklin Park this Saturday for the Codfish Bowl, an annual meet that attracts many of the top teams in Massachusetts.



Jessica Zysk '99 traps the ball in Monday's soccer match against Norwich University. The game ended tied 2-2.

THOMAS MURPHY—THE TECH

MIT Women's Volleyball Wins Two  
Straight Behind Sailhamer's PlayBy Paul Dill  
HEAD COACH

The women's varsity volleyball team increased their conference record to 3-0 and 6-3 overall as the beat Smith College 3-0 this past Saturday, and Babson College 3-0 this past Tuesday.

The team arrived at Smith College expecting the usual battle that takes place between the two. After just keeping even with Smith during the early stages of the first game, MIT came alive and left Smith in the dust as they pulled away and won 15-8. Expecting Smith to come back strong in the

second game, MIT pushed hard and grabbed an early lead. The expected onslaught never came as the Engineers cruised through the second game 15-2 behind the 24 assists of Alarice Huang '00, and the 13 kills of Betsy Sailhamer '99. The third game turned out to be more of the same as Jenn Svendsen took over the setting reigns and added eight of her own assists on the way to a 15-1 victory. Barb Schultze '02 added seven kills and four service aces, and Lijin Aryananda G added five kills.

The Engineers next faced Babson College and made short

work of them as well. Although MIT did not play with the same fire that they had against Smith College, they were still able to win in three games 15-8, 15-10, 15-6. Again Sailhamer '99 led the way with 10 kills and eight digs, while outside hitter Christina Almodovar '02 added eight kills to the effort.

The next test for the Engineers comes at the two day MIT Invitational 16 Team Tournament featuring the top eight ranked teams in New England. MIT will play against Skidmore College and Eastern Connecticut State University on the first day.

## UPCOMING HOME EVENTS

## Friday, September 25

Golf vs. Tufts University, 1:00 p.m.

## Saturday, September 26

Baseball vs. UMass Boston, 12:00 noon

Field Hockey vs. Clark University, 1:00 p.m.

Football vs. Salve Regina University, 2:00 p.m.

Women's Sailing — New England Women's Singlehanded Elimination, all day

Men's Soccer vs. Wheaton College, 10:30 a.m.

Men's Cross Country — Codfish Bowl

Sunday, September 27

Baseball vs. Suffolk University, 12:00 noon

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AJAI BHARADWAJ—THE TECH

Michelle Hardiman '00 races a Bowdoin opponent to the ball Tuesday. MIT lost a close match 0-1.