

MIT Plans Economics Building

Sahin's \$20 Million
To Fund New Center

By Brian Loux
STAFF REPORTER

Twenty million dollars of the donation by MIT alumnus Kenan E. Sahin '63 will go towards the construction of a new space for the Department of Economics.

"The new donation was brightly welcomed by the Department of Economics and the Sloan Community," said Cindy Hill, the current Director of Education at the Sloan School of Management.

Planning and development has already begun on the new building, which will hold both the Department of Economics and new space for the Sloan School of Management. The concept of a new building was jump-started a year ago, after E*Trade founder William A. Porter '67 donated \$25 million to the Sloan School last November.

This additional funding will provide for a section of the new building devoted entirely to Economics. "We have a long history of close involvement, and we're very pleased that our involvement will continue," Hill said.

Both faculty and students of the Department of Economics and the Sloan School of Management hope that the close proximity of the two schools will foster increased collaboration.

With the Sloan School currently consisting of eight buildings scattered about MIT's campus, the new building will solve a proximity problem. "The initial plan for the new building was to bring all pieces of the Sloan school closer together and create a greater sense of community," Hill said. "With eight separate buildings, we were not able to build a strong sense of community. The new building should remedy this."

The new Porter building will most likely become the central building for the entire Sloan School of Management. However, the design team has not yet figured out how to accomplish this, as it would not be feasible to link all eight buildings to the new Porter building. "We are not looking at one building; we are looking at a campus," Hill said.

The Sloan School of Management hired Jim Davies of ARC design company over the summer to create the master plan for the Porter Building. However, Mr. Davies was unavailable for comment.

Though there is neither a finalized plan or a timetable for construction as of yet, the Sloan School of Management plans to hire a design architect in the near future.

Sloan will receive more than just building funds from Sahin's donation. Twenty four million dollars will be used to set up a Presidential Graduate Fellowship Fund which will aid Sloan graduate students.

Carla Howell Speaks at MIT

Libertarian Senate Candidate Hopes to Downsize Government

By Shefalli Oza
STAFF REPORTER

Carla Howell, the Libertarian Party Candidate for the U.S. Senate in Massachusetts, spoke at the Tang Center Tuesday night to about 25 people. Howell will run against incumbent Democrat Edward E. Kennedy and GOP candidate Jack E. Robinson on election day.

Howell emphasized her "small government is beautiful" motto during the speech, which was sponsored by the MIT Society for Political Awareness. An hour-and-a-half question-answer session followed the speech.

"Rarely ever do [politicians] talk about what we can do for the government," said SPA President Christopher D. Smith '01 as he introduced the speaker. One of the key features of Howell's campaign is her support of government downsizing.

Big government causes problems and small government creates solutions, Howell said in her speech. "Since big government makes things worse, small government will make things better," she said.

Howell said that almost all of the existing big government programs are ineffective because they "squander and waste" the nation's money. She, instead, promoted "small government programs that [would] give a hand-up instead of a handout."

If elected to office, Howell said that she would attempt to get rid of



OMAR ROUSHDY—THE TECH

Carla Howell, Libertarian candidate for U.S. Senate, spoke Tuesday night in E51-145.

the federal income tax and would support any steps to the absolute downsizing of the government.

"A vote for Carla Howell is a vote for small government on every issue, every time, no exceptions, no excuses," the candidate said.

Howell said she prefers bold and immediate steps towards small government because gradual reductions lead to "intense lobbying by people from programs about to be cut."

Libertarian Steven M. Stern '04 was impressed with Howell's speech in general and said, "[She

did] much better than I expected."

Howell for gay rights, free market

Although Howell's twenty-minute speech did not cover her stances on many issues, the audience grilled her on these issues during the question-answer session.

Howell is a big advocate of privatizing property wherever possible, "equality under the law" for gay rights, and the free market economy instead of government funding.

She said that a free market econ-

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CLC, CPD To Curb Underage Drinking

By Naveen Sunkavally
EDITOR IN CHIEF

In a follow-up to its Cops in Shops program, the Cambridge License Commission and the Cambridge Police Department have launched a new program called Badges in Bars to crack down on underage drinking.

In contrast to the Cops in Shops program, in which police officers pose as store clerks in package stores, the Badges in Bars program places uniformed officers in restaurants and bars to ask students who look underage for identification.

CLC Executive Officer Richard Scali said the new program was started in response to concerns from local universities that there has been a rise in off-campus underage drinking in Cambridge. In particular, Scali said that recently an assistant dean from a local university went to a bar to investigate underage drinking and watched as underage students from that university drank alcohol.

However, "in the past, MIT, Harvard and Boston University have also made complaints," Scali said.

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Mass. Ballot Question 3 Puts Dog Racing at Risk

By Pey-Hua Hwang and
Naveen Sunkavally
STAFF REPORTERS

With both sides mounting aggressive advertising campaigns in recent months, ballot Question 3, which calls for outlawing greyhound racing in Massachusetts, will come down to the wire on election day.

A central issue with greyhound racing is the perceived cruelty to the dogs. Proponents of the measure, which they call Grey2k, for Greyhound Racing Ends Year 2000, say that greyhounds live in cluttered kennels where they are abused and underfed.

"Twenty thousand greyhounds die every year in this industry because they are not fast enough to win. Greyhound racing is a dying industry that makes its money on the back of these gentle animals It's time Massachusetts residents put a stop to this abuse," said David Vaughn, campaign director of Grey2k on the website, <<http://www.grey2k.org>>.

However, it is unclear whether conditions for greyhounds in Massa-

chusetts are as bad as they are in other states. "The tracks at Massachusetts treat them a lot better than other tracks do," said Marilyn Wolkovits, a member of Greyhound Adoption Inc. in Salsbury, Ma, which receives about 300-400 dogs a year. "I think [proponents of the bill] are barking up a wrong tree Most of the material they're using isn't from Massachusetts."

However, she conceded that trainers do sometimes cut corners in feeding animals and that dogs do come in with broken legs.

Louise Coleman, director of Greyhound Friends, Inc., another adoption agency in Hopkinton, Ma., said that in general dogs from the Wonderland tracks and Raynham tracks in Massachusetts are well bred and in good condition.

However, Coleman described the quality of the meat dogs are feed as "lousy," with bits of charcoal. She described the tracks in Massachusetts as very fast, which leads to dogs often breaking legs. In addition, she pointed to an incident in 1992 in which 89 dogs died in a fire at Wonderland. "They didn't do much to change the situation" since

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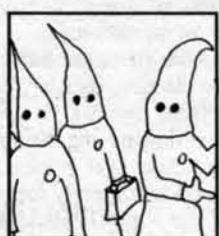
JAMES CAMP—THE TECH

Rachel Levinson '01 performs the captivating violin solo from Ravel's concert rhapsody for violin and piano, *Tzigane*. Director Dante Anzolini leads the MIT Symphony Orchestra in Ravel's orchestration of the piano accompaniment during MITSO's Eastern Europe-themed concert last Wednesday night. See photos, page 10.



MIT football
records its
second
straight
upset.

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The Tech would like to remind you to get an extra hour of sleep this Sunday. Remember to set your clock back an hour!

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WORLD & NATION

Testimony Might Clear U.S. Spy Being Tried in Russia

THE WASHINGTON POST

MOSCOW

Lawyers for accused American spy Edmond Pope said the testimony of a Russian engineer Thursday before a closed Moscow court supported Pope's account of receiving only nonclassified information about a high-speed Russian torpedo.

One of Pope's lawyers, Andrei Andrusenko, said the testimony by the Shkval torpedo engine's leading designer significantly bolstered Pope's defense. Pope, a former U.S. naval intelligence officer, is accused of stealing Russian technological secrets for the United States.

The White House has tried to intercede on Pope's behalf, but Russian President Vladimir Putin has said Pope's fate is in the court's hands. The 54-year-old businessman from State College, Pa., faces a 20-year prison sentence if convicted.

Arsenty Myandin, the leading designer of the Shkval's engine, appeared Thursday as a witness for the prosecution, Andrusenko said. Myandin was an important witness because he contributed almost all of the material contained in five reports that Pope bought about the Shkval in the late 1990s, the lawyer said. Because the trial is closed, the only accounts of the testimony come from the lawyers.

Sentenced to 408 Years, Serial Killer Says He 'Will Return to God'

LOS ANGELES TIMES

SEATTLE

In an excruciating confrontation with the families of his victims, serial killer Robert Yates Jr. tearfully turned to a crowded courtroom Thursday and apologized for "the sorrow, the pain and the anguish that you feel." He was sentenced to 408 years in prison for one of the longest murder sprees in U.S. history.

"I've taken away the love, the compassion and the tenderness of your loved ones, and I've submitted in that place grief and bitterness," Yates, a former military helicopter pilot and father of five, said with his voice breaking.

"In my struggle to overcome my guilt and shame, I have turned to God, I will return to God," he added, as hisses and jeers broke out in the courtroom. "I hope that God will replace your grief with hope, and your sorrow with peace."

Yates, 48, pleaded guilty to 13 killings in eastern Washington, mostly of destitute young women, from 1975 to 1998. He is charged with three additional murders, and if convicted, will exceed the conviction record of every killer in U.S. history except Jeffrey Dahmer, convicted of 17 killings.

NASA Delays Mission to Mars

THE WASHINGTON POST

NASA on Thursday unveiled its latest plans to explore Mars, delaying from 2005 to at least 2011 a long-planned mission to send a robot to the Red Planet to collect a soil sample and return to Earth.

"Ultimately, we want to go to Mars and get a sample and bring it back to Earth," said Edward Weiler, NASA's associate administrator for space science. "But we have to be very, very sure that that billion- or two-billion-dollar mission to go get a sample is going to the right place on Mars."

To find that right place, one that maximizes the odds of finding rocks and soil that could show whether life ever existed on Mars, the National Aeronautics and Space Administration will take a more long-range, step-by-step approach that will cost more and take longer to implement.

But it will be less susceptible to failure, more international in scope and more responsive to scientists' evolving knowledge about Mars, Weiler said, noting, "You have to assume Mars will continue to surprise us. This program will represent a long-term strategy. It will not just end with a Mars sample return, as the old one did."

WEATHER

Yankees Suck, Weather a Bit Better

By Naveen Sunkavally

STAFF METEOROLOGIST

So the Yankees win the World Series again. Great. It was bad enough that it was a Subway Series; now we have to face the indignity of seeing the Yankees win for the third straight time.

Look forward to fairly mild fall weather over the weekend. Showers will threaten Saturday but will head out by the end of the weekend, just in time for Halloween!

Weekend Outlook

Today: Some fog in the morning; windy with times of sun and clouds in the afternoon. High of 70°F (21°C).

Tonight: Mild with threatening clouds. Low of 56°F (13°C).

Saturday: Considerable cloudiness with a possible shower in the morning, becoming windy in the afternoon. High of 60°F (16°C), low of 36°F (2°C).

Sunday: Times of sun and clouds; a cold wind and perhaps a shower. High of 46°F (8°C), low of 36°F (2°C).

Monday: Windy with a good deal of sunshine. High of 51°F (11°C), low of 41°F (5°C).

Note Shows Some Russians Were Alive After Kursk Blast

By Maura Reynolds
LOS ANGELES TIMES

MOSCOW

They were alive. At least some of them. At least for a while.

One of the first bodies recovered from the sunken Russian submarine Kursk on Thursday had a note tucked in the pocket, navy officials said. And with its scribbled, businesslike lines, it re-awakened all the pain and shame of last summer's nuclear submarine disaster.

"There are 23 people here," wrote Lt. Capt. Dmitry Kolesnikov, the 27-year-old commander of the turbine section, who had fled with his men from other compartments to the stern section of the crippled submarine. "We made this decision as a result of the accident. None of us can get to the surface."

The note appeared to shed no light on the cause of the Aug. 12 sinking but confirmed the worst fears of some of the families of the victims: that their loved ones were alive for some time, perhaps just a few hours, after the accident and likely died a slow, painful death while waiting for help that never arrived.

And it also again raised the possibility that if the rescue effort had

been speedier or more efficient, some sailors might have been saved.

"It's painful; enormously painful. I had this feeling that my husband didn't die immediately. Now that it has been confirmed it hurts a lot," Kolesnikov's widow, Olga, stammered through tears in a televised news conference. "I want to see him one more time. I want to read his letter."

She was not the only one affected by the news. Divers who retrieved the bodies were reported to be undergoing counseling. Vice Adm. Mikhail Motsak, chief of staff of the Northern Fleet, grew emotional during a dockside news briefing and warned reporters to show respect.

"Don't pry clumsily into our souls," he said. "We're in pain." Then he saluted curtly and marched off.

Perhaps none of the misfortunes this nation has suffered in recent years has caused as great a public outpouring of grief as the loss of the Kursk and its 118 seamen. Russians watched with anger as the navy tried and failed for days after the accident to reach the crippled submarine, hoping and fearing the sailors were still alive.

When Norwegian divers finally opened the submarine's escape hatch Aug. 21 and discovered the craft filled with water, Russian officials tried to calm an aggrieved nation and defend their rescue efforts by suggesting that the entire crew had perished immediately at the time of the sinking.

Kolesnikov's few lines removed whatever poor comfort that offered.

His 22-year-old brother Alexander, also a submariner, said Thursday: "I can't really explain how I feel on hearing this news, but I am sure I wouldn't wish you or anybody to be in my place now and feel the way I feel."

Lt. Capt. Kolesnikov's note was written on both sides of the paper: one side was private message to his wife, the other technical information.

Navy chief Adm. Vladimir Kuroyedov, standing before family members in what appeared to be a classroom, asked them not to cry as he related the contents "or I will start crying with you."

According to naval practice, he said, Kolesnikov started the note with the time: 1:15 p.m., nearly two hours after a blast in the bow caused the submarine to sink.

Voters Split on Best Strategy To Maintain Economic Boom

By Richard Morin
and Claudia Deane

THE WASHINGTON POST

Voters overwhelmingly agree that the economy is booming, but sharply disagree about what the next president should do to prolong the current prosperity, according to a new survey by *The Washington Post*, the Henry J. Kaiser Family Foundation and Harvard University.

From globalization to tax policy to their views on technology and the New Economy, economic issues once again divide Republicans from Democrats this election year.

But the survey also revealed that many of these same issues divide each party into contrasting and frequently competing factions that likely will test the political skills

and tax the patience of whoever is elected president.

Overall, 43 percent named either taxes or an economic concern as one of their top two voting issues this year.

Using a statistical technique that grouped together voters who held similar positions on tax and economic issues, Mollyann Brodie, vice president for public opinion research at the Kaiser Family Foundation, identified four distinct types of voters, and the traits that distinguish them.

1. The Winners: For these voters, this is America's golden age — and their own, as well. Seven in 10 say they've never seen the country so prosperous. Nearly half report family incomes of \$75,000 or more,

easily the most affluent of the four voting groups.

2. Downscale Democrats: The new economy doesn't feel much different than the old economy to these Americans.

3. The New Isolationists: These GOP voters also have seen the New Economy and they don't like it, either. A majority (54 percent) say globalization is "mostly bad" for the United States. Nearly nine in 10 say trade agreements with other countries costs the United States more jobs than they create.

4. The Downsizers: Smaller is better to these fiscally conservative Democrats: Nine in 10 prefer a smaller federal government over a larger one. 22 percent of all economy voters are Downsizers.

Celebrations Become Violent as Protesters Call for New Election

By Ann M. Simmons

LOS ANGELES TIMES

ABIDJAN, IVORY COAST

Joyous celebrations of people power turned to sectarian-tinged violence Thursday as rival political forces, fresh from ousting Ivory Coast's military ruler, clashed over demands for new presidential elections.

Followers of Laurent Gbagbo, who defeated military coup leader Gen. Robert Guei in Sunday's vote, insisted that their candidate was now the country's legitimate leader. Supporters of a candidate who had been barred from the election, Alasane Dramane Ouattara, demanded a new vote.

But Gbagbo's election was endorsed by the Supreme Court, and he was inaugurated president of this West African nation Thursday. In his inaugural address, Gbagbo rejected calls for new elections but said he would reach out to his opponents to create a government of national unity.

Leaders of the opposing political

factions urged their supporters to stop the violence, but it was unclear whether they would.

"We need new elections, real elections," said Kone Lassina, 27, an electronics specialist who stood guard at Ouattara's suburban residence with a few dozen other supporters. "If [Ouattara] loses, no problem. But we need real democracy in Ivory Coast."

Ouattara, a former prime minister and International Monetary Fund executive, had been considered the strongest challenger to the general, who took power in a December coup, organized elections and then declared his candidacy. However, the military junta banned Ouattara from running because of doubts about his nationality.

Guei declared himself winner of the election Tuesday, but a massive popular uprising forced him out the next day, paving the way for Gbagbo to take over in what analysts said was a rare victory for people power in the region. Police and witnesses reported that up to 20 people were

killed in three days of clashes. However, officials from Gbagbo's Ivorian Popular Front party put the death toll at 70.

Thursday's violence threatened to drag Ivory Coast into ethnic and religious turmoil. Ouattara draws his support largely from the country's Muslim north, while Gbagbo's strength is in the Christian and animist west and south. Witnesses said that at least one church and one mosque had been set on fire, while others had been ransacked or looted.

Early Thursday, supporters of Gbagbo erected crude barricades around his residence and battled soldiers, who shot volleys of tear gas into a grassy expanse near the compound. Traditional tribal hunters dressed in dye-soaked, hand-woven cotton fatigues and brandishing shotguns took up positions near their leader's home. Militants prepared Molotov cocktails.

Youths from both sides fought bloody street battles in other parts of Abidjan, armed mainly with clubs, lumber, branches and iron bars.

Mideast Conflict Grows After Suicide Bombing, Web Attack

By Tracy Wilkinson
LOS ANGELES TIMES

JERUSALEM

A Palestinian with a backpack full of explosives pedaled his bike into the perimeter of an Israeli army post Thursday and set off a tremendous blast, stoking Israeli panic over the likelihood of a wave of deadly terrorist attacks.

The 23-year-old student of Islamic law killed himself and injured one Israeli soldier at an isolated base in the Palestinian-controlled Gaza Strip. It was the first suicide bombing in a month of Israeli-Palestinian clashes and may have been timed to coincide with the fifth anniversary of the slaying of a militant Islamic Jihad leader.

Israelis were already on high alert after military commanders repeatedly warned of bombings by Palestinian extremists in crowded public places.

Israelis have been staying home in droves. Restaurants and open-air markets are virtually deserted. Security agents are searching every vehicle that drives into local shopping malls. Police are boarding and inspecting public buses, which are nearly empty. Gun sales are reported up by as much as 50 percent.

And as if that's not enough, another war front has opened in cyberspace. Pro-Palestinian computer hackers managed to paralyze Web sites for Israel's parliament, army and Foreign Ministry by

flooding them with e-mails or electronic signals known as pings. The army Web site was able to go back on line by hiring AT&T as a backup provider after Israel's main Internet connection, Netvision, came under attack. But by late Thursday the Foreign Ministry site had been in the dark for 30 hours.

The cyber spat began earlier this month when Israelis en masse bombarded a Web site belonging to Hezbollah, an Islamic movement in Lebanon, causing the site to crash. Hezbollah had captured three Israeli soldiers along Israel's border with Lebanon.

While the attacks have so far been limited to informational sites, it could grow into serious damage.

Budget Negotiations Break Down After Clinton Threatens To Veto

By Eric Pianin and Dan Morgan
THE WASHINGTON POST

WASHINGTON

Relatively cordial negotiations between the White House and GOP leaders blew apart Thursday, leaving uncertain the fate of a year-end package that includes \$240 billion worth of tax cuts, money for hospitals and nursing homes and an increase in the minimum wage.

After several days of conciliatory signs that seemed to point to a smooth wrap-up this weekend, President Clinton threatened to veto the tax measure and another big spending bill. He charged the GOP was not doing enough for middle-class people on issues like health care and education.

"You chose to put forward a partisan legislative package that ignores our key concerns," Clinton said in a letter to GOP leaders. "... I will have no choice but to veto it."

Clinton's veto threats created a crisis atmosphere on Capitol Hill and generated uncertainty about when Congress would finish up for the year. It also appeared to raise the political stakes only 10 days before congressional elections that Democrats have been trying to turn into a referendum on what they call a "do-nothing" Congress.

Angry Republicans immediately blasted the president for attempting to precipitate a year-end spending crisis and said they would not offer another tax bill if Clinton carries out

his veto threat. They warned that the administration and Democrats would be hard-pressed to justify blocking legislation that includes a variety of political appealing items for voters.

"If we pass Medicare increases, minimum wage and small business benefits and they veto it, I think they've got the worst side of it," said House Chief Deputy Whip Roy Blunt (R-Mo.). "Then we'll come back next year with a new president and pass it in better form."

Democrats said that the Republicans have repeatedly lost in the past in trying to tangle with Clinton over taxes, spending and Medicare-and insisted they will lose again this time.

Yankees Claim World Series Crown for Third Straight Year

THE WASHINGTON POST

The Yankees become the fourth team in major league history to win at least three straight World Series titles, joining the Yankees teams of 1936-39 and 1949-53 and the Oakland A's of 1972-74, but the first that had to survive three rounds in the expanded playoffs each time. They went 12-1 in the past three World Series, their only loss coming in Game 3 here Tuesday night.

Just as Torre can be criticized for leaving Orlando Hernandez in the game too long in Game 3, this time Mets Manager Bobby Valentine will be questioned about leaving left-hander Al Leiter in the game, at the end of a valiant performance, with the go-ahead run at second base in the ninth.

Sojo's game-winning single, a grounder up the middle just past Leiter's glove, came on Leiter's 142nd pitch of the night.

Torre, on the other hand, removed his starter, left-hander Andy Pettitte, at just the right time, turning the game over to his bullpen in the eighth. When unstoppable closer Mariano Rivera locked down the final out in the ninth — a fly ball to deep center by Mike Piazza — the Yankees spilled out of their dugout for what has become a familiar scene this time of year: a throng of Yankees players collapsing in a pile near the mound.

Reno Reports That Falling Crime Rates in Schools Continues

THE WASHINGTON POST

WASHINGTON, D.C.

Attorney General Janet Reno said Thursday that the crime rate in schools continued to drop last year — mirroring the drop in the nation's crime rate — but emphasized that considerable work remains to be done to make schools across the country safer.

The third Annual Report on School Safety found that the percentage of high school students who reported carrying a weapon to school declined to 7 percent last year from 12 percent in 1993. Reno said in response to questions that the 7 percent rate-roughly one in 14 students-is still too high and that no one in law enforcement or education should be satisfied until students feel safer.

The attorney general said high-profile shootings at some schools, and recent incidents, including one this week in which a student brandished a gun in school, contribute to the feeling of uneasiness among many Americans.

"I think if you have seen some of the tragedies that have been reported, they strike so close to home. You think, 'Could it be my son's school?'" Reno said.

"And there have been some situations that just stagger the imagination. ... Where you have such acute and tragic cases, it makes us all realize that we cannot become complacent; we have got to do more," Reno said.



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Yes on Question 1; No on 2, 3, and 4

In this and the next issue, *The Tech* will analyze the eight ballot questions offered to Massachusetts voters this Election Day. Voters in the Bay State have a unique opportunity this

Editorial

year to establish new laws on important issues such as health care, tax policy, and crime. We begin today with an analysis of Questions 1 through 4.

Question 1 would require the state to redraw district boundaries for state legislators two years after a federal census instead of the current four years. *The Tech* urges a vote of **yes on 1**. The change in redistricting ensures that boundaries are updated as the population changes. Furthermore, Massachusetts will face legal action if the measure does not pass, as the current four-year interval violates the Equal Protection Clause of the U.S. Constitution. *The Tech* recommends that voters help the state avoid unnecessary lawsuits over this issue.

On Question 2, a yes vote would revoke the state voting privileges of incarcerated felons, while a no vote would allow the imprisoned to retain their voting rights. *The Tech* strongly recommends a vote of **no on 2**. The right to vote is not some privilege that prisoners forfeit along with the luxury of living freely in society. Voting is too precious of a right to remove from anyone. *The Tech* hopes that Massachusetts will not join other states that have succeeded in preventing felons in their states from voting. Prisoners should always have the right to speak out against a government they perceive as unjust, whether

through their words or through their votes.

Question 3's passage would outlaw greyhound racing in Massachusetts beginning in June 2001. *The Tech* urges a vote of **no on 3**. Although Question 3 supporters say that greyhounds are abused at local tracks, Massachusetts is in fact the only state of the 16 that allow dog racing to place tracks and kennels under State Police supervision. There has not been a documented case of abuse at a Massachusetts racing facility in 65 years of operation. Outlawing greyhound racing in Massachusetts is unnecessary and unnecessarily deprives citizens access to a service.

If passed, Question 4 would reduce the state income tax rate by almost a full percentage point over the next three years to 5 percent in 2003. *The Tech* recommends a vote of **no on 4**. Massachusetts is currently in the midst of an economic expansion. This measure will nip that expansion in the bud, with a loss of over \$2.7 billion in tax revenues over the next four years. The state simply cannot afford that revenue loss.

At the same time, *The Tech* is concerned that the retained revenues will be used to fund more questionable pet projects, such as the mismanaged Big Dig and the construction of a new Fenway Park. We advise our state legislators to remember the voters and to allocate a substantial portion of the revenues to worthwhile endeavors, such as improving the quality of public education and health care.

On Tuesday, *The Tech* will offer its views on Questions 5 through 8.

Letters To The Editor

Why Reading Room Must Be Used for Physics Project

I am writing to clarify some of the issues raised in the original *Tech* article ["UA Debates Physics Classroom Proposal," Oct. 17] on the possibility of dual use of the Reading Room on the fifth floor of the Student Center and raised again in the subsequent editorial ["Student Center Not a Classroom," Oct. 20]. As I stated in my remarks to the Undergraduate Association on October 16, the proposal under consideration would renovate the Reading Room to allow its continued use as a Reading Room in the evening and night, while allowing its use during the day for the Technology Enhanced Active Learning (TEAL) physics teaching project.

TEAL is an exciting development that promises to change very significantly and positively the way first-year physics is taught at MIT. Specifically, TEAL will involve a studio-based approach, with active learning and considerable use of modern technology, instead of the traditional large lecture format.

TEAL does require important space resources. We hope and expect in the future to have new teaching facilities which will accommodate projects like TEAL in a straightforward way. Unfortunately, providing space for TEAL in the next few years is proving to be a very difficult problem to solve. We have considered many alternatives other than the Student Center Reading Room, and these alternatives all appear to present much greater problems in terms of impact on other activities, in particular student activities, than does use of the Reading Room.

The attraction of the dual use of the Reading Room is that it appears that it can be used for TEAL during the day without significantly impacting its current use by students as a Reading Room. This large room presently has very light use during the day, while use by students during evenings and nights is strong. The proposal under consideration would go forward only if it appears that the current important use of this space by students can be preserved. In fact, the renovations necessary would significantly benefit current use, as renovations of this space in general are badly needed.

An ad hoc group is currently considering

the various logistical issues which are associated with the proposed dual use. I have ensured that there is student representation on that group. I welcome opinions from students and others on this proposal, and I will make sure that these opinions are taken into account.

It is striking that most of the objections to this proposal appear to involve not wanting to mix teaching activities with other student activities. As stated above we certainly believe that, in the longer term, activities such as TEAL should be located in dedicated teaching facilities. Therefore, use of the Student Center in this fashion would not in any way be permanent. However, the recent Task Force on Student Life and Learning did emphasize the importance of viewing life and learning as part of the same experience. I hope that as we continue to implement the recommendations of the Task Force, we will find ways to integrate student life and learning such that we all benefit. I look forward to working with all parts of the community to achieve this goal.

Bob Redwine
Dean for Undergraduate Education

Medical Transport Must Be an Option

Confidential medical transport has been a hot topic on campus lately, with UA petitions to Dean Benedict circulating, articles in *The Tech*, and talk of the incident that occurred at Kappa Sigma in which an individual had to be taken to the hospital, resulting in the fraternity now facing the Cambridge License Commission. In Tuesday's edition of *The Tech*, Richard Scali of the CLC is quoted as saying, "I think MIT students are smart enough to know that if someone's sick you do whatever it takes to get them help" regardless of legal ramifications." However, to a FSILG member taking care of a friend who has had too much to drink, the answer to that question isn't as simple as Scali would like to think.

To a FSILG member, their living group is one of the most important parts of their life at MIT. One example is the response to the column written by Veena Thomas a few weeks ago making an analogy between fraternities and sororities and cults ["The Cult Factor," Sep.

22]. The student response to this was strong — I attended the IFC Leaders Retreat, and by the end of the retreat, not only had almost every person there read the column and was angered by it, but at least three people were already writing responses to show MIT how wrong the assumptions in the column were.

Many students at MIT think of themselves as an FSILG member first, and a MIT student second, indicating the high priority that their house takes over everything else that they do.

When a student is asked to make a choice between their FSILG and the life of an individual, obviously the individual will come first. But sometimes the choice is not that easy. Imagine that one of your friends has had too much to drink, and they are not feeling well. But how do you know when it is something that will pass in a few hours, or if this is a life and death situation? It is these borderline cases that confidential medical transport will affect the most. The way the system works now, many people will see one of their friends is sick, but are not sure how severe it is. And when you are not sure, questions begin to arise. What if this person doesn't really need medical attention immediately? What if I take them to the Medical Center anyway? Will the CLC kick us all out of our house? Will my FSILG have a future? If someone needs help, these questions should not be an issue at all!

However, because the Campus Police are the only EMTs on our campus, all of these questions are asked every time someone gets sick from alcohol, putting lives in danger. The goal of confidential medical transport is not that students do not have to be held accountable for their actions. No student is going to be less responsible because CMT is an option — think about it, does anybody ever want to get sick? CMT would put the well-being of an individual first, which is the way it should be. MIT students are considered some of the brightest in the world, but for the most part we are no more educated than the average college student on alcohol abuse. Without confidential medical transport as an option, students are left to guess how sick an individual is and how badly they need help. And this is not something that we should be doing — it should be left to the professionals.

Helen Lee '02
IFC Public Relations Chair

Opinion Policy

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

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

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

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

Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. *The Tech* reserves the right to edit 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 letters.

The Tech's **Ombudsman**, reachable by e-mail at ombudsman@the-tech.mit.edu, acts as advocate for the newspaper's readership. The Ombudsman may exercise the right to publish unedited columns.

To Reach Us

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

Erratum

The Oct. 24 article, "Swiss House Comes under Fire," says that MIT Professor of Civil and Environmental Engineering Herbert H. Einstein works at the Swiss House. In fact, Professor Einstein does not work at Swiss House, and was only attending a reception at the House at the time he was quoted. In addition, Einstein did not say that the House is a "contact point for interaction with universities and high-tech companies" but only said that he had heard that the House was acting as such.

The Ombudsman

Join The Tech

In my first week as ombudsman, I received several complaints from readers. In response, I reported these complaints to writers and editors. More effective than anything I can do to solve the problems of this paper, however, is something that you can do: join *The Tech*.

Unlike *Tech Talk*, *The Boston Globe* or *New York Times*, anyone is welcome to add their time and talents to this paper. *The Tech* isn't reader-generated (a la Slashdot or Abuzz), but it offers the rare opportunity for readers to directly influence the paper by becoming a part of it.

Take our web site as an example: I've received several comments about delays, broken links, and errors associated with it. A running joke in the office is that *The Tech's* site was one of the first 100 on the web and hasn't changed much since. It's funny because, for the most part, it's true.

The site isn't in such poor condition due to a lack of resources or will but because of a lack of manpower. While readers should expect a quality web presence and shouldn't be required to donate their own time to be able to read the paper on line, for those readers who are interested in seeing a better web page: *The Tech* is happy to have your help.

This column certainly is not the first exhortation to join *The Tech* to appear in this paper: lighthearted ads touting free food and "openings in all departments" have dotted these pages since I can remember. In all seriousness, though, *The Tech's* open recruitment policy gives you the chance to use your talents, time, and dedication to make this paper better and to thus have a real impact on the MIT community.

A movement is afoot in a public mailing list to found a new student publication to serve as a voice for student activism, a role that those involved feel is neglected by *The Tech*. Rather than starting from scratch, or perhaps resurrecting *Instivte*, those spearheading this movement should take advantage of this paper's willingness to respond to its readership by playing real and substantive roles in its production and direction. Why found a new publication when, if support for such a paper is truly widespread, you can change the direction of the oldest, best-established and most-read MIT publication?

Many of the problems with this paper — a perceived bias against fraternities and sororities, spotty coverage of local and national issues, a near-total lack of attention paid to science at MIT (although a fledgling section is in the works) — can only be remedied with the help of future staffers who are now but readers. If this paper wishes to continue to advance and to truly serve the diverse community in which it publishes, it needs the assistance of the diverse backgrounds, situations, and personalities of the members of that community.

Working for *The Tech* is not without rewards of a more personal nature, however. After "MIT's oldest and largest newspaper," the closest thing *The Tech* has to a slogan is "MIT's school of journalism." Reporting and writing news stories is an important skill, one that complements MIT's technical education well. In addition, I would be remiss in not mentioning the numerous perks and amenities that *The Tech* provides its staffers (which often draw the ire of less well-funded student groups).

The suggestion that those unhappy with the paper do something to improve it is not meant to deflect criticism: any comments or complaints can be sent to the address below.

However, for those who think that they have the time and talent to make the *Tech* a better publication, stop by our offices on the fourth floor of the Student Center any Sunday night at 5 p.m. Dinner will be served, as usual.

Frank Dabek is the ombudsman of *The Tech*. Complaints, questions, or concerns about this paper should be addressed to him via e-mail at ombudsman@the-tech.mit.edu.

Guest Column
Dan Tortorice

The MIT Undergraduate Economics Association will be presenting a lecture by Professor Rudiger Dornbusch, who is on faculty in the Economics Department, on Tuesday, October 31st at 4:30 PM in room 6-120. The topic of his lecture will be the recent controversies that have emerged concerning the policies of the International Monetary Fund within the global arena.

In preparation for this talk, The Tech published on Tuesday a column by Philippe Larochelle outlining the background of the material Professor Dornbusch will be discussing and explaining the arguments that have emerged opposing the policies taken by the IMF. This article outlines the arguments in favor of the policies taken by the IMF.

Walking home from work this summer, I passed by the IMF World Bank Headquarters in Washington, D.C. Outside, a group of protesters shouted at the building; one banged on the empty blue top of a water-cooler. Why they were protesting was unclear — perhaps they believed some of the criticisms articulated by Philippe Larochelle in Tuesday's edition of *The Tech*, perhaps not. Either way, I believe they were misguided.

The following article discusses the main aspects of an IMF structural adjustment program (the conditions a country must fulfill in order to receive IMF funds) as outlined by Larochelle in his article, and discusses the need for these policies. They are: monetary austerity, fiscal austerity, privatization, and export-oriented growth. In analyzing these policies, it helps to think of the IMF as a doctor treating a cancer patient. At times the treatments, radiation and chemotherapy have extremely harmful effects, but in the end the patient is better for having undergone the treatments.

Monetary Austerity. A policy of monetary austerity requires a country to raise interest rates in order to stabilize the local currency. Clearly, stabilizing the local currency is in the interest of the country that takes out the loan. One only needs to look at the devastating effects the devaluation of the peso had on Mexico to realize this. The average Mexican's standard of living collapsed because imports from the United States, a major trading partner, became much more costly.

A Defense of the IMF

During the Asian crisis, the IMF required South Korea to keep interest rates high to stabilize its currency. In this situation, the South Korean banks had borrowed heavily in German marks but maintained most of their assets in the local currency, the won. When financial panic swept through Asia, the value of the won spiraled downward and South Korea saw a wave of bank failures. If South Korea did not act to stabilize its local currency, its banking system would have totally collapsed. With such a collapse, South Korea would have seen an even more drastic reduction in output and the standard of living of its citizens.

Fiscal Austerity. A policy of fiscal austerity requires a government to raise taxes and cut spending. This policy is the one most often opposed by IMF detractors. Larochelle explains that implementation of this policy in Zaire forced the government to cut 80,000 jobs for health care workers and teachers. On the face of it, this seems like a horrible policy. But when one sees the alternative, we have to ask if we can oppose it in good conscience.

Often, a third-world country receives IMF money because it has debts it cannot pay. These debts were created by spending more money than the government collected in taxes and financing this deficit by borrowing from domestic creditors. If the IMF loaned the money to the country, not asking it to reduce spending, the country would continue to run budget deficits and would not be able to pay back the IMF loan. Furthermore, the country's domestic debts would continue to mount. Eventually, the country would again need IMF money to pay off its creditors. Because the IMF exists to give loans with the expectation that they will be repaid, and does not exist as the financier of third-world social programs, it will not loan the money.

What happens now? The country, no longer having the assets to pay off its creditors, will turn to its only other option. It will print money. But as it prints money, it increases the supply of money, making it less valuable. The result is inflation. This inflation now makes the money the government is printing worth less, so it is driven to print more and more. The currency soon becomes worthless as the country spirals into hyperinflation.

What happens to the average citizens of this third-world country? Their wage, which used to let them scrape by and put food on the table, now maybe buys a loaf of bread a week. When they are starving and their children are

dying, the alternative, fewer teachers and nurses, doesn't look so bad, does it? At the outset of this article I compared the IMF to a doctor. This may have seemed extreme. But it is the reality in poor countries. Economic decisions do not determine if people can afford to live in the suburbs or not; they determine if people live or die.

Privatization. A policy of privatization requires countries to sell state-controlled industries to the private sector. Privatization has two desirable affects for third-world countries. The first flows from the competitiveness of the private sector. This competition drives down prices and fosters innovation, benefiting consumers. One only needs to read accounts of East Germany to see how government ownership of industries can ravage a country. But privatization helps third-world nations more fundamentally. Private ownership of the means to production provides a check on the power of government, a check badly needed in some third-world countries.

Export-Oriented Growth is a policy of encouraging countries to increase exports, sometimes at the expense of the country's environment. Countries can grow quickly through exports when they trade with large foreign economies because these big economies have big demands. On the other hand, the domestic economy is small and so is demand. Do countries sometimes sacrifice the environment to grow? Yes. But the environment, no matter how much we may wish to think otherwise, is a good. One can enjoy driving a Porsche as much as seeing the stars. People are willing to trade some environmental destruction for an increase in their standard of living. And when we are talking about poor countries, we are talking about people with very low standards of living. It shouldn't surprise anyone that these people are willing to sacrifice environmental soundness for an increase in their standard of living. We may care about the forests in Indonesia, but if that forest's destruction will lead to growth, lifting Indonesians out of poverty, the IMF, Indonesia, and we too should shout Timber!

I would be the last to claim that the IMF is beyond reproach. Some of its policies are difficult to rationalize and some of its interventions were undeniable failures. But in the end, I believe the IMF policies are beneficial to the countries which accept them.

Dan Tortorice is a member of the Class of 2002.

Ha Ha — It's Politics

Bush and Gore Hide Their Malapropisms on Late-Night Talk Shows

Roy Esaki

George Bush's and Al Gore's misstatements, idiosyncrasies, and lapses of judgment on the campaign trail have frustrated and disappointed many Americans. But when the presidential candidates have used humor in deliberate and pointed ways, they have helped make politics accessible, interesting, and noteworthy to a TV audience of John Q. Sixpacks, most of whom might not otherwise have heeded the political campaigns at all.

Granted, we have *The Newshour with Jim Lehrer*, for those of us who strive to fulfill our civic duty by being well-informed voters. The most accessible (if not the primary) news sources for far more prospective voters, however, are shows such as *The Late Show With David Letterman* and *The Daily Show with Jon Stewart*, and the presidential politicos, realizing the value of form over substance, seek to use humor as the newest political tool. If satirical presentations can inform us of political issues while titillating us, so much the better, but only if the electorate is aware that propagandistic humor is nothing to laugh off.

Bush, through much trial and error, has evolved the strategic use of self-referential witticisms to shape the issue under discussion. On his appearance last summer on the *Late Show*, he had explained to Letterman, who was recovering from quintuple bypass surgery, that his slogan "I'm a uniter, not a divider" meant that "when it comes time to sew up your chest cavity, we use stitches, as opposed to opening it up." Bush learned from his failed attempts at humor, however, and now uses humor to effectively direct the course of a conversation.

On the candidate's most recent appearance on *Late Show*, for example, Bush started off the banter by tapping the microphone, quipping, "I'm always checking these days." He was referring to the incident six weeks ago where he was caught on an unexpectedly live mic labelling a *New York Times* journalist a certain orifice (the letters of which can be

rearranged to spell "ash sole"). Bush's clever one-liner prompted Letterman to ask if Bush felt an apology to the reporter was in order. "Not really," Bush replied, and followed with an explanation of his grievances with the press to a now-attentive audience.

While this exchange showed how humor can effectively lead to anesthetization while keeping the audience entertained, the astute late-night TV audience must also watch out

On his most recent appearance on the Late Show, for example, Bush started off the banter by tapping the microphone, quipping, 'I'm always checking these days.'

for the use of self-mockery to deflect criticisms. If a lapse comes out as a facetious joke, we are sometimes less inclined to ask critical questions. #7 of "Top 10 Changes Bush Would Make in the White House" was to "make sure the White House library has lots of books with big print and pictures." The nature of the joke implies that Bush's literacy is a trivial, if not moot, issue, and voters no longer consider the consequences of having a President unable to recall the last book he read

to completion. Bush thus scores a political point with this maneuver.

In an *Saturday Night Live* sketch to be aired as part of "Presidential Bash 2000," Bush, whose notorious mispronunciations and mistaken syntax have been extensively and hilariously cited, deadpans that he felt "ambivalent" when asked to introduce the show, because some things in the show "were, in a word, offensive." In the same sketch, Gore continuously rolls his eyes and sighs heavily, parodying the offensive and childish behavior during the first presidential debate for which he has been sharply criticized. Here, too, the unwary viewer can easily become desensitized to actual faults of the candidates.

At a fundraiser, Gore disclaimed that he was an uptight policy wonk, saying that he enjoyed such leisurely pastimes as television. "One of my favorite shows is *Who Wants to Be a Millionaire?*," Gore stated, adding the scripted afterthought, "Well, it should really be called *Who Wants to Be After Taxes a \$651,430.70 Person?*"

Through self-deprecating humor, the presidential candidates acknowledge, and directly laugh off, what once were valid criticisms of their shortcomings and blunders. If humor draws us to politics and makes us aware of political happenings, that's just peachy-keen. But if it distracts us from critically examining the real issues of contention, the humor is certainly no joke.



Turn to page 6
for columns about
Ballot Question #3.

Viewpoints on Ballot Question 3

Treating Greyhounds as Pets

Guest Column
Morgan Woodruff

In response to Michael J. Ring's Oct. 17 column "Save Racing, Save Jobs, Save Research," I submit a few corrections on most issues surrounding Question 3.

First, let me state I support animal research except on canines. I wear leather. I love to eat meat, and I am also urging all people to vote "yes" on Question 3.

Dog owners are mostly compassionate, loving and kind people. They do not cage their beloved Labrador retrievers for up to 22 hours a day, as greyhounds are. It is common knowledge that the dogs are fed "4-D" meat from diseased, dying, dead or downed cattle; it is raw and entirely unprocessed. That diet is so vile that it has taken us close to one year to stabilize the digestive system of the small female that we brought home as our second greyhound. Dare I mention that she had a puncture wound straight through the webbing on her rear foot, which was severely infected and infested with parasites as it tried to heal over the wound, even as she was made to continue racing? Is this the same care Ring's example, KC Sundrop, received? Or perhaps my dog must have been one that the State Police and Racing Commission overlooked.

Do you think someone who owns a beagle or poodle would allow that type of neglect to happen to his or her beloved pet? Why is it so acceptable for a greyhound? Could it be that they actually have become that much of a commodity? A poorly nourished, poorly cared-for greyhound is, sadly, just as able to run a good race. That is exactly why owners do not bother to care for them. Rescue organizations deal with malnourished, parasite-ridden, wounded "retired" greyhounds on a daily basis. I do not believe that you would ever hear a report on a sound, clean, trusting greyhound com-

ing in for adoption; it doesn't happen!

A greyhound's date of birth and other information is tattooed on the inside of their ears for identification purposes. Of the tens of thousands of greyhounds that are euthanized, did you include the ones that had their ears cut off so they could not be identified when they were buried in Florida? What's to hide? When our season slows down in New England those lucky dogs get to go work somewhere else and Wonderland and Raynham have no control over what happens to them. It is one big connected industry, which is why money from other states is helping to defeat this initiative.

Additionally, Ring's argument of the hardship to the workers who will be out of work is preposterous. I'm told Starbucks starts at \$9 an hour with full benefits, and there is no shortage of jobs in the state. Governor Cellucci has said countless times that anyone who wants a job in this state can find one.

Seems to me there has never been a better time in Massachusetts to begin a new career.

You also did not mention that Greyhound racing is illegal in 34 states. Why? You also failed to mention that the track owners have wanted the state taxpayers to subsidize their failing businesses and were denied. You also failed to mention that

only the simulcast portion of tracks' business is profitable now, and without it, they are doomed. Well, simulcast was only a temporary thing, and it goes away in December of this year — what then?

Ring convoluted the issues to such an extent that one must wonder what his connection to the industry really is. I can't imagine that anyone could have read the ballot question and deduced that which he wrote. This is not about animal research, as much as he and his allies would want to confuse everyone into believing that it is. It's about humanity. It's about having a conscience. It's about big business that promotes cruel and abusive treatment to noble, innocent dogs. It needs to stop now. Stop the exploitation of greyhounds; they are just pets.

Starbucks starts at \$9 an hour with full benefits, and there is no shortage of jobs in the state. Seems to me there has never been a better time in Massachusetts to begin a new career.

In a Race for Their Lives

Vote 'Yes' on Question 3 to Abolish Greyhound Racing in Massachusetts

Guest Column
Karolina Fraczowska

I feel impelled to respond to Michael J. Ring's October 17 column "Save Racing, Save Jobs, Save Research."

Ring should have checked his facts before parroting the greyhound racing industry's stock arguments. I am not an animal-rights activist, as Mr. Ring would label me, but I strongly oppose greyhound racing and would encourage everyone to vote "yes" to abolish this institution. I have researched the treatment of greyhounds at Massachusetts race tracks, and I also own a greyhound that raced at Raynham.

Ring states that greyhounds in Massachusetts race tracks "are well-fed, receive expert veterinary care, [and] enjoy several periods of exercise a day. The greyhounds at Raynham and Wonderland receive better care and treatment than most family pets." Unfortunately, this statement could not be further from the truth. The greyhounds at racetracks are kept in cages 22-23 hours a day. The cages in which greyhounds are kept are just big enough for them to stand up. Greyhounds are fed raw meat labeled "Not for human consumption." Furthermore, they are intentionally underfed because skinny dogs run faster. Does this treatment sound better than the treatment given to family pets?

To illustrate the facts above, let's use my greyhound as an example. When I first got my dog, I was told that he is in much better shape than an average greyhound put up for adoption. He was so skinny that you could see every single bone in his body. His teeth were all covered with tartar — so much that he had gingivitis and some of his teeth had to be pulled out. His skin was so dry that it was flaking off and his fur looked a matted gray color. He also had both roundworms and ringworms in his intestines. Every greyhound that comes from racetracks has these worms that drink their blood from the inside. He had so many of these worms that it took three treatments to finally get rid of them. Also, he did not have any vaccines. If this is what Ring calls "peak physical shape," I hate to see what he would call poor shape.

It is important to keep in mind the purpose of greyhound racing. Is it to advance some important social concern? Does it benefit science or medicine? Of course not; it is merely for entertainment and gambling. If people want to gamble, that is fine with me, but they should go to a casino instead of to a place responsible for the inhumane treatment and death of thousands of animals every year. These animals are bred solely for the purpose of winning races; if they do not win, they are destroyed. Each year 20,000 greyhounds are killed merely because they were one second

slower and could not make money for their owners. Massachusetts is not immune to this — yes, greyhounds are killed at the Massachusetts racetracks. Far too few are lucky enough to be adopted as family pets.

Ring claims that only a few dozen greyhounds are killed in Massachusetts every year. This is the most offensive and deceptive statistic in his article. It is very hard to get the numbers as to exactly how many greyhounds are killed in Massachusetts alone, because dogs that do not do well in races in Massachusetts are shipped off to other states in which races are less competitive. When a dog does not perform there, then it is destroyed, but it no longer counts for Massachusetts statistics.

Another reason why it is hard to get numbers of killed greyhounds has to do with lease agreements of the kennels. An owner typically leases his greyhound to a kennel that operates at a racetrack. What happens to a greyhound that is not successful varies depending on the lease agreement. Some leases state that a dog can be killed by a kennel, some state that a dog will be shipped to a different state, and still others state that a dog will be returned to its owner. Here is where the statistics given by race tracks are misleading. If an unsuccessful dog is either shipped out of state and eventually killed, or shipped back to his owner to be killed, this dog is not listed as having been killed by the track. While this is technically accurate, it is very misleading. The fact remains that an estimated 20,000 greyhounds are killed each year.

Lastly, let me address Ring's slippery-slope argument. According to him, if we vote "Yes" on Question 3 to abolish greyhound racing, then pretty soon horse racing, zoos, aquariums, the wearing of leather and fur, the eating of meat or fish, and even the use of animals for potentially life-saving medical research would be abolished. But that is simply not true. If we abolish greyhound racing, we would just abolish the heinous institution of greyhound racing and nothing more. Greyhound racing is illegal in 34 states, yet in these states biological research takes place, people can go to a zoo, and yes, people are even allowed to eat meat. Here, mice would still be used for research in Building 68 and at the Whitehead Institute, meat will still be served at Walker, and students will continue to wear leather shoes. If cock fights were legal, would Ring use the same slippery slope argument to defend them?

This is the first time that the voters are given a chance to abolish the evil institution of greyhound racing. Please use that power to save thousands of dogs' lives and vote "Yes" on Question 3. Remember, Question 3 is just about greyhound racing.

Karolina Fraczowska is a member of the Class of 2001.

A Discussion of The IMF Controversy

Professor Rudiger Dornbusch



Tuesday, October 31st
4:30 p.m.
6-120

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counciltravel.com

SCIENCE

Science Briefs

Microvillages solve housing shortages in Turkey

600,000 people were left homeless in Turkey after August 17, 1999 when an earthquake registering 7.4 on the Richter Scale leveled many apartments and housing. Many of the victims of the earthquake are still living in tent cities and other temporary lodging.

Hearing of the devastation, Professor Jan Wampler of MIT's architecture department immediately collaborated with MIT alumni in Turkey to devise a solution to the housing shortage. The result was a plan to create microvillages — a plan that will be carried out by Habitat for Humanity, MIT and Mercy Corps International.

The proposed microvillages will be two-story housing units to be built in part by its future residents. The microvillages will center upon communal living and focus upon sustainability. Locally farmed wood as building material, harnessed wind and sun energy as power sources, rainwater for reservoirs, and treatment of sewage as fertilizer are just some of the ideas that will be utilized to create the microvillages. The microvillages will enable people to be active participants in their living unit through community maintenance.

The future of microvillages will be bright. In the past, people who left rural areas had to live in busy cities; microvillages will provide the conveniences of the city while maintaining the community of the more rural areas.

— Catherine Shaw

MIT students help uncover evidence of ancient human habitation in Black Sea

It has been theorized that the Black Sea was once a freshwater lake, having been flooded by the Mediterranean Sea about 7,000 years ago. In their 1997 book "Noah's Flood," geologists William Ryan and Walter Pitman of Columbia University tentatively linked this cataclysmic flood to the biblical stories of Noah. Recent findings may support this claim, as video images taken aboard the Northern Horizon are pointing to pre-flood human activity in the Black Sea.

Under the auspices of David A. Mindell, Dabner Associate Professor of the History of Manufacturing and Technology at MIT, and MIT's Deep Sea Archeology Research Group, two MIT graduate students played a major role in discovering well-preserved human habitats at the bottom of the Black Sea. The National Geographic Expedition, led by Robert Ballard, president of the Institute for Exploration and best known for finding the Titanic in 1985, found remnants of human dwellings more than 300 feet below the surface of the Black Sea, about 12 miles off the Turkish shore.

Katherine Croff and Brendan Foley are the two MIT graduate students involved with Mindell's research. Brendan Foley, marine archeologist and doctoral student in the history of technology in the Program in Science, Technology and Society (STS), expressed enthusiasm with these findings, saying, "We are all very excited about the pre-flood site. It's an amazing discovery that we've been working toward for my entire four years at MIT." Katherine Croff, now a graduate student in Ocean Engineering, was

the other key player in this five-week expedition. Croff reflects, "Out of my four years at MIT, my most valuable educational experiences have come from working in the field. I love how the Ocean Engineering department has allowed me to tailor my classwork and projects to my personal interests, and to participate in the research of the DeepArch Group for the past two years."

The students' responsibilities on the ship ranged from navigating the ship to contributing to the archeological analyses of the site and interacting with the media. Foley states, "Katy and I both stand watches in the control van. She navigates the ship and vehicles and also reviews the data with Bob (Ballard). She and I both help with basic operations: vehicle launch and recovery and deck chores related to the vehicles. It's my job to make sure the technical people understand the archaeological standards, while ensuring that the archeologists realize the strengths and limits of the technical systems."

Foley and Croff are expected to leave the ship shortly to participate in field-testing of an acoustic sensor currently being developed by Ballard and his team. Using these acoustic techniques, the MIT research team is learning to image archeological sites buried in mud, an important tool in finding evidence of shipwrecks. Croff liked knowing that her contribution to the research would lead to further advances in the techniques used in future research. She states, "My most recent venture in Maine was particularly interesting because we were working on something no one has ever done before! Being able to see buried artifacts on a shipwreck site will be a huge asset to archeologists, and I am very excited to be a part of the team that will bring them this ability."

The group recently found two ancient shipwrecks in the Black Sea, dating back to the fourth and sixth centuries. Along with MIT and the Institute for Exploration, a number of other participants are involved in the deep-sea research. These groups include the Woods Hole Oceanographic Institution, Marr Vessel Management Ltd., Woods Hole Marine Systems Inc., the University of Pennsylvania Museum of Archeology and Anthropology, and the Institute of Nautical Archeology. MIT's Office of the Dean of Humanities and the Deep Sea Archeology research group provided the funding for Foley and Croff's participation.

— Georgia Panagiotakos and Catherine Shaw

Perfect mirrors lead to research on efficient coaxial cables

In 1998, MIT scientists created a perfect mirror — now they are building on perfection by researching coaxial cables which can shoot light quickly and efficiently over long distances without distortion.

The commonplace metallic mirror reflects light from every angle while absorbing incident light. Dielectric mirrors (unlike metallic mirrors) do not conduct electricity, are made from layers of transparent dielectric materials, and are used in lasers, which require low loss of light and high reflectivity.

The perfect mirrors created in 1998 have the reflective properties of a metallic mirror and the low loss property of the dielectric mirror. An

omnidirectional waveguide was constructed from a tube of the perfect mirror. The all-dielectric coaxial cable outperforms the optical fibers currently used in data transmission because it does not lose its light polarization as optical fiber does. The cable can create high-bandwidth and higher information capacity and will be researched for Internet applications.

MIT researchers who have worked on the perfect mirror technology launched a new company OmniGuide to explore the coaxial cable's practicality. Currently a prototype and test of the coaxial cable is underway.

— Catherine Shaw
Source: MIT Press Office

Manus robot rehabilitates stroke victims

An MIT robot has proven itself valuable in the physical therapy of recovering stroke victims. The May 23 issue of *Neurology* features a report in which a second clinical study demonstrated that the robot significantly improved patients' recovery of arm movement.

The robot, dubbed Manus for MIT's motto, 'mens et manus' (mind and hand), has been in development for eleven years and focuses on arm therapy. Two clinical trials have already been conducted. A third was initiated in January 2000 at the Spaulding Rehabilitation Hospital in Boston; the purpose of the trial is to "see if stroke recovery is limited to central

nervous system reorganization, and if it can be influenced by more peripheral systems."

During the robot-aided therapy, the patient sits at a table and places the lower arm and wrist into a brace attached to the robot's arm. A video screen then prompts the patient to perform arm exercises. The robot facilitates arm movement by providing adjustable levels of guidance.

The study consisted of 56 patients split between two groups. Each patient received standard therapy. In addition, the experimental group spent an additional daily hour with MIT-Manus, while the control group used a

"sham" robot once a week that did not guide patients through exercises. The experimental group demonstrated twice as much of an increase in arm movement as patients using conventional physical therapy.

Researchers are now focusing on creating additional robots for therapy of the legs and wrist/hand. The applications of this robot are far-reaching, as it can become an important teaching tool as well as an aide to doctors in assessing a patient's condition and prescribing optimum therapy.

— Georgia Panagiotakos
Source: MIT Press Office

MIT's Newest Laureate

McFadden Wins Nobel Prize in Economic Sciences

By Shankar Mukherji
STAFF REPORTER

MIT celebrated another addition to its list of Nobel laureates when Daniel L. McFadden, now E. Morris Cox Professor of Economics at Berkeley, received the Bank of Sweden Prize in Economic Sciences in memory of Alfred Nobel. Professor McFadden joins a list of 46 other laureates affiliated with the Institute.

Professor McFadden taught in the MIT Economics Department from 1978 through 1991, specializing in "transportation applications of discrete choice models." An outstanding researcher, Professor McFadden was appointed in 1984 to the James R. Killian Chair in the Department of Economics which he held until he left the Institute in 1991.

Much of McFadden's prize-winning theory was developed during his tenure at MIT. Professor McFadden, in an interview, has been quoted as saying, "My work on transportation applications of discrete choice models was started when I first visited MIT in 1970-71, and grew out of a collaboration with Peter Diamond and Robert Hall."

Professor McFadden's work was cited extensively in the San Francisco Bay Area Rapid Transit (BART) Project, especially in using his discrete choice models in locating sites to place stations.

The 63-year-old McFadden is the director of the Econometrics Laboratory at the University of California, Berkeley. His current research centers on, "trying to determine how you can find out when people show ... deviations from the [economic] rationality model, what impact it has on economic analysis, and how you can quantify the whole thing." It is no small task considering that it was McFadden's earlier work, the work cited by the Nobel Committee, was "grounded in the rational economic model." In fact he goes on to say, "One of the contributions [of my work] was to devise a way to do the statistical analysis in a way that the economic model of rationality came true full and clear."

Professors and economists around the country have praised McFadden's pioneering work in microeconomics.

"Dan McFadden has revolutionized our understanding of how people and governments make choices with discrete alternatives," said MIT Economics Professor Peter Diamond. "He has pioneered both the theory of how such choices are made and the statistical techniques for making inferences from available data."

Harvard Economics Professor Dale W. Jorgenson said, "McFadden introduced a new, psychological, dimension to econometric modeling with his methods for analyzing qualitative responses."

Professor McFadden, though now teaching on the West Coast, still comes back to campus every summer to teach 14.61s, "Individual Choice Behavior," with Civil and Environmental Engineering Professor Moshe Ben-Akiva.

"[Though] I returned to Berkeley in 1991 ... my tenure at MIT was both personally and professionally rewarding, and I very much appreciate having had the opportunity to be a member of the MIT faculty," said the Institute's fourth economics laureate.

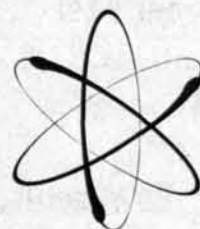
Sources: *Tech Talk*, press conference at Berkeley, Oct. 11

Get Down with Science

Write for

The Tech
Established 1881

Science Section



For information, contact
Catherine at cishaw@mit.edu, or
email join@the-tech.mit.edu.

ON THE SCREEN

— BY THE TECH ARTS STAFF —

The following movies are playing this weekend at local theaters. The Tech suggests using <<http://www.boston.com>> for a complete listing of times and locations.

★★★★ Excellent
★★★ Good
★★ Fair
★ Poor

Adventures in Wild California (★★★)

The theme of this movie, California's wild nature, is the direct inspiration for the spirit of adventure, exploration, and innovation—but it is the glorious visuals (sky surfing and regular surfing, snowboarding, helicopter flights) that provide real excitement. — Vladimir Zelevinsky

Almost Famous (★★★½)

Almost Famous is the semi-autobiographical film of writer and director Cameron Crowe's life as a 16 year-old *Rolling Stone* journalist. He follows around a band for four days and, in a bewildering, humorous, and didactic experience, understands the mantra of sex, drugs, and rock and roll. — Devdoot Majumdar

Best in Show (★★)

The latest release by mockumentary filmmaker Christopher Guest spoofs the peculiar American phenomenon of the dog show, and focuses on nine would-be blue-ribbon winners, each more absurd than the last. The most unforgivable error Guest makes is in the film's marketing. *Best in Show* is guilty of one of the most onerous offenses of bad action flicks: it gives away its best scenes during the film's trailer. What's left after the jokes that everyone's already seen is a series of unrelated and mostly offensive stereotypical scenes, the theatrical equivalent of calling people names. It is too bad that Guest, given his considerable résumé and a great setup for a film, can't grow up enough to intelligently poke fun at a decidedly deserving subject. — Jed Horne

Billy Elliot (★★★)

A sweet, spirited, and enjoyable (albeit sometimes clumsily rendered) movie experience. A young British boy, hypnotized by dancing, begins studying ballet, much to the chagrin of his lower-class father. The seemingly obligatory political backdrop is awkward and unnecessary, but overall, it's a heart-warming and amusing piece of light



DAVID JAMES—WARNER BROTHERS

Kevin Spacey and Haley Joel Osment in Warner Brothers Pictures' *Pay It Forward*.

fare that recovers well from any of its missteps. Warning: thick British accents. — Karen Feigenbaum

Bring It On (★★★)

One of the better movies of the summer merely because of its amusing banter and exaggerated characters. Stupid jokes and predictable conflicts are delivered throughout the film, but *Bring It On* doesn't lose its cheer. Kirsten Dunst plays the captain of the Toros, a cheerleading squad that goes head-to-head with members of a Compton squad, which includes the members from R&B group Blaque. The one-liners and catty attitudes are let loose in director Peyton Reed's silver-screen endeavor. — Solar Olugebefola

Dancer in the Dark (★★★)

Björk, Catherine Deneuve, and director/writer Lars von Trier team up in this ambitious musical. A heavy and tragic plotcollides with campy musical numbers to form a film that is better off as a drama than a musical. Björk and Deneuve's performances are stellar, but the rest of the cast needs intense

dance and vocal training in order to make a more convincing musical. The film's music has traces of Björk's unique electronic style, but still feels held back and pulled in different directions. Bring tissues. — Annie Choi

Dark Days (★★½)

Filmmaker Marc Singer's first cinematic effort, follows the lives of about twenty homeless men and women living in the Amtrak tunnels under Penn Station in New York City. The film is a powerfully unique look at a group of people who are rarely depicted as more than stereotypes. Kudos to the film's ambition, and the fascinating vignettes depicted throughout. However, *Dark Days* is ultimately unsatisfactory as a sociological study because it lacks any clear statement of purpose or vision, and over-humanizes homelessness in a patently offensive way. — JH

The Exorcist (★★★½)

Re-released after 27 years, the new *Exorcist* has been received with interest; some have even named it the Scariest Movie of All Time. The main difference between this version and the version you can see on video is about eleven minutes of cut footage and some revamped sound effects. Compared to the flashy films of today, *The Exorcist* feels rather dry, but avid fans and those who have never seen the original classic should definitely check it out. — Raja Mohan

The Legend of Drunken Master (★★★)

Out of three things this Jackie Chan martial arts extravaganza tries to do, two succeed: the way it works as a window into everyday Chinese life, and the superb martial arts choreography (the final battle is nothing short of stunning). The middle section, which tries to mix drama with slapstick comedy, is largely dispensable, but the rest of the movie makes it easy to ignore the parts that don't work. — VZ

Lost Souls (★★½)

From Janus Kaminski, the acclaimed cinematographer of *Schindler's List* and *Saving Private Ryan*, comes *Lost Souls*, a generic and tasteless addition to the recent surplus of apocalypse-like films. Maya Larkin (Winona Ryder) must convince Peter Kelson (Ben Chaplin) that he's destined to be the living embodiment of the Devil come his 33rd birthday so they can, ultimately, save the world. Though it attempts to mimic *The Exorcist* and *Rosemary's Baby*, *Lost Souls* ultimately fails to reinvent the horror classic for the modern day audience. — Ryan Klimczak

Meet the Parents (★★★)

From the director of *Austin Powers* comes this offbeat and original romantic comedy about hapless Greg Focker (Ben Stiller) and his attempts to impress his future father-in-law (Robert DeNiro). Pam's (Teri Polo) father, Jack Byrnes, instantly decides that he's unimpressed by his daughter's husband-to-be and what follows is a disastrous family weekend during which things just keep getting worse. With laugh-out-loud humor and an endless array of gut-busting scenes, this film proves to be Stiller's greatest success since *There's Something about Mary*. — RK

Nurse Betty (★★)

Renee Zellweger stars in this film as the neurotic Nurse Betty, a small-town soap

opera aficionado traumatized into an alternate personality. Obsessed and dedicated, she seeks out soap opera star Dr. David Ravell, played by actor George McCord (Greg Kinnear), on *A Reason to Love* under the misconception that he is her ex-fiancee. Along the way, she is followed by two hit men played by Morgan Freeman and Chris Rock, and, as this illogical but humorous story continues, it stumbles somewhere between humorous originality and perplexing irrationality. — RK

Pay It Forward (★★★½)

With an outstanding and talented cast of actors, *Pay It Forward* proves to be one of this year's most emotionally evocative movies. Social studies teacher Eugene Simonet (Kevin Spacey) creates an assignment of impossible standards: "Think of an idea to change the world—and put it into action." The persistent and imaginative Trevor McKinney (Haley Joel Osment) constructs an ambitious plan known as pay it forward, whereby one act of kindness is reciprocated by three new acts of kindness, and so on. Inspiring, original, and thought-provoking, this film takes us on a spiritual journey on the nature of humanity. — RK

Remember the Titans (★★★)

This is a beautifully directed movie about the social and racial conflicts of the 1970's. Inspired by real events, the movie examines the relationship between two football coaches, one white and one black, trying to overcome racial differences that tear the whole community apart after an all-white school and an all-black school are united. Featuring great actors and lovely music from the 70's, this movie depicts stirring aspects of human nature. A must-see. — Bogdan Fedeles

Urbania (★★★)

Urbania tells the story of Charlie, a man introduced as having suffered a tragic loss and intent on regaining normalcy in his life. Charlie stumbles through the hyper-reality of New York City, voyeuristically obsessed with "urban legends"—peculiar vignettes which, the film argues, help us cope with reality's capriciousness. These tales become a metaphor for Charlie's own experience and provide a backdrop for his neurotic obsession with an ex-lover and the possibility of a redemptive relationship with a homophobic acquaintance. *Urbania* confronts some interesting issues about sexuality, revenge, and love, but its choice of a homosexual focus, while downplayed, makes it easily dismissed as a member of a genre of films that is hokey at best, even if *Urbania* itself is an exception. — JH

Urban Legends: Final Cut (★)

A disappointing sequel to the original *Urban Legends* movie, this film provides an unorthodox approach to its forerunner as film student Amy Mayfield (Jennifer Morrison) directs her thesis film on a murderer who kills people based on urban legends. At the same time, a psychopath is killing her crew in the same format as her movie, leading Mayfield on an unexpected—and confusing—trail to unmask the killer before she too becomes an urban legend. Directed by John Ottman, *Urban Legends II: Final Cut* proves to be a cheesy and overdone addition to the teen-horror genre. — RK

FROM THE DIRECTOR OF π

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Clubs

Axis
13 Lansdowne St., 617-262-2437

Sundays: See Avalon below.
Mondays: *Static*. Gay, casual dress. \$5, 18+.
Thursdays: *Chrome/Skybar*. Progressive house, soul, disco; dress code. \$10, 19+; \$8, 21+.
Fridays: *Spin Cycle*. Progressive house, 80's. \$12, 19+; \$10, 21+.

Avalon
15 Lansdowne St., 617-262-2424

Sundays: *Gay Night* with Axis. Three different dance floors featuring hardcore house and techno. \$10, 21+.
Thursdays: *International Night*. Eurohouse. \$10, 19+.
Fridays: *Avaland*. House. \$15, 19+.
Saturdays: *Downtown*. Modern house, club classics, and Top 40 hits. \$15, 21+.

Karma Club
9 Lansdowne St., 617-421-9595

Sundays: "Current dance favorites" by guest DJs. Cover varies.
Tuesdays: *Phatt Tuesdays*. With Bill's bar, modern dance music. \$10.
Wednesdays: *STP*. Gay-friendly, house. \$15, 21+.
Thursdays: *Groove Factor*. House.
Fridays: *Pure*. Drum and bass, guest DJ. \$15, 19+.
Saturdays: *Elements of Life*. International House. \$15.

ManRay
21 Brookline St., Cambridge, 617-864-0400

Wednesdays: *Curses*. Goth. Appropriate dress required. \$5, 19+; \$3, 21+.
Thursdays: *Campus*. Popular tunes + House. Gay, casual dress. \$10, 19+; \$7, 21+.
Fridays: *Fantasy Factory* (First and third Friday of the month. Features kinky fetishes and industrial music.) *Hell Night* (every second Friday. 19+ includes Goth music.) *Ooze* (the last Friday of the month.) \$10, 21+; reduced prices for those wearing fetish gear.
Saturdays: *Liquid*. Disco/house + New Wave. \$15, 19+; \$10, 21+.

Popular Music

Axis
Next: 423-NEXT
13 Lansdowne St., 617-262-2437

Oct. 27: Isle of Q.
Nov. 4: Alabama 3.
Nov. 6: Peter Murphy.
Nov. 8: Mourning Widows.
Nov. 11: Agent Orange.
Nov. 15: Reel Big Fish.
Nov. 21: Cherry Poppin' Daddies.

Avalon
15 Lansdowne St., 617-262-2424

Oct. 28: Elliot Smith.
Oct. 29: Miguel Migs, Kid Koala, P-Love, Slum Village, Bahamadia.
Nov. 4: Sammy Hagar.
Nov. 5: 311.
Nov. 7: Rancid.
Nov. 18: They Might Be Giants.
Nov. 28: The Saw Doctors.

Berklee Performance Center
Berklee College of Music
1140 Boylston St.
Free student recitals and faculty concerts, 4 p.m. and 7 p.m. some weekdays. For info. on these concerts, call the Performance Information Line at 747-8820.

Oct. 27: Sonny Rollins.
Oct. 28: Klezmer Conservatory Band.
Nov. 10: Whispers.
Nov. 18: Plena Libre.

Club Passim
47 Palmer St, Cambridge, 617-492-7679.

Tuesdays: Open Mic at 8 p.m. (sign up at 7:30). \$5.
Oct. 27: Jim's Big Ego.
Oct. 27: Joel Cage & Robby Baier.
Oct. 29: Ray Wylie Hubbard.
Nov. 1: Carl Cacho and Stanley Matis.
Nov. 2: Teddy Goldstein and Josh Ritter.
Nov. 3: Brooks Williams.
Nov. 4: Charlie Farren.
Nov. 6: Les Crapaudes.
Nov. 8: Tracie Smart.
Nov. 9: Ratsy.
Nov. 10: Rosalie Sorrels.

The Lizard Lounge
1667 Mass Ave., 617-547-0759.
21+

Wednesdays: Baby Ray.
Thursdays: Club d'Elf.

The Middle East
Ticketmaster: 931-2000.
Ticket prices vary. Call 354-8238 for more info.

Oct. 27: Addison Groove Project.
Oct. 28: Tobin Sprout with Richard Davies.
Oct. 29: Toxic Narcotic with Big Bubba, The Profits, A Global Threat and Short Lived.
Oct. 31: 13 Crimson Ghosts and The Hangmen and Photon Torpedoes.
Oct. 31: J. Mascis.
Nov. 2: Dread Zeppelin (ska cover

On The Town

A weekly guide to the arts in Boston
October 27 - November 2
Compiled by Fred Choi

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



MACGILLIVRAY FREEMAN FILMS

Skydiver Troy Hartman demonstrates sky-surfing in *Adventures in Wild California*, now playing at the Museum of Science Mugar Omni Theatre. Call (617) 723-2500 for information.

band).
Nov. 14: Fastball.

Orpheum Theatre
Ticketmaster: 931-2000

Call 617-679-0810 for schedule.

Sanders Theatre
617-496-2222
45 Quincy St., 02138

Nov. 1: The Whirling Dervishes.
Nov. 10: Natalie MacMaster.
Nov. 25: Capitol Steps.

T.T. the Bear's Place
10 Brookline St., Cambridge, 617-492-BEAR

Oct. 27: Star Ghost Dog.
Oct. 30: Adfrank.

Tweeter Center for the Performing Arts (Great Woods)
885 South Main St., Mansfield, Ticketmaster: 931-2000

Nov. 16: Pantera with Kittie, Morbid Angel, \$29.50.
Nov. 21: Deftones, \$24.50.

Jazz Music

Regattabar
Concert: 876-7777
1 Bennett St., Cambridge 02138, 617-662-5000

Oct. 27: Roomful of Blues.
Oct. 29: Teresa Ines Trio.
Nov. 1: Garrison Fewell Quartet.
Nov. 4: Donna Byrne Quintet.
Nov. 9: Dane Vannatter Quintet.
Nov. 10-11: Irma Thomas.
Nov. 16-19: McCoy Tyner Trio.
Nov. 21-22: Marcio Faraco Quintet and Teresa Inez Group.

Scullers Jazz Club
DoubleTree Guest Suites, 400 Soldiers Field Rd., Boston, 617-562-4111

Oct. 27: John Pizzarelli.

Oct. 29: Carol Oshaughnessy.
Oct. 31-Nov. 1: La Orquesta Aragon.
Nov. 2-3: Chuck Mangione.
Nov. 5: Metro Featuring Chuck Loeb.
Nov. 8: Fairport Convention.
Nov. 9-11: Toots Thielemans.
Nov. 14-15: Tuck & Patti.
Nov. 16-18: Gato Barbieri.
Nov. 24-25: Mose Allison.
Nov. 28: Ida Zecco.
Nov. 29: Nelson Rangell.

Classical Music

Collage New Music

Oct. 29 at 7 p.m. at the C. Walsh Theater of Suffolk University, 55 Temple Street, just behind the State House on Beacon Hill. Featuring the world premiere of John Harbison's Mottetti di Montale, complete version for chamber ensemble and mezzo-soprano, as well as Luciano Berio's Sequenza II, for harp, and Luigi Dallapiccola's Piccola Musica Notturna. MIT students can attend Collage concerts free of charge. Details on access to tickets can be found at: <http://web.mit.edu/arts/collage_new_music.html>. For ticket information for this concert and the entire season, contact the Collage New Music business office at 617-325-5200. Or visit their website at <www.collagenewmusic.org>.

Carmina Burana
Nov. 3 at 3 p.m. at the Sanders Theater (45 Quincy St., Cambridge). Presented by the Boston Camerata, Joel Cohen Music Director, and members of the Harvard University Choir, Dr. Murray Forbes Somerville, Director. Tickets are \$42, \$38, and \$35 and are available by calling The Harvard Box Office at 617-496-2222 (Mon-Sun, Noon-6pm), by visiting the

Harvard Box Office at 1350 Massachusetts Avenue, Boston, or online at <www.celebrityseries.org>.

Boston Symphony Orchestra
Tickets: 266-1492.

Performances at Symphony Hall, Boston, MA unless otherwise noted.
For MIT Students: Tickets are offered for Th. evening concerts (8pm) and Fri. afternoon concerts (1:30pm) and are available on the day of the concert only at the BSO Box Office at Symphony Hall (301 Mass. Ave. Open 10am-6pm). Two tickets may be obtained with two current valid MIT student IDs, subject to availability. For updated MIT student ticket availability, call 638-9478 after 10am on the day of concert.

Nov. 2, 3, 4, 7 at 8 p.m.: Mozart: Piano Concerto No. 23 in A, K.488, Mahler: Symphony No. 5. Christoph Eschenbach, conductor and piano. Pre-performance talk given by Barbara Barry. Call for ticket prices.

Nov. 24 at 1:30 p.m., Nov. 26, 28 at 8 p.m.: Part: Frates, for eight cellos and Como anella la cierva, for soprano and orchestra (U.S. premiere); Mozart: Violin Concerto No. 2 in D, K.211; Beethoven: Symphony No. 1. James Conlon, conductor; Anja Harteros, soprano; Pamela Frank, violin. Pre-performance talk given by Hugh MacDonald.

Chameleon Arts Ensemble
Nov. 5 at 4 p.m. at the First and Second Church, 66 Marlborough Street in Boston's Back Bay (Arlington Stop on the Green Line): The Chameleon Arts Ensemble of Boston presents chamber music by Francis Poulenc, Krzysztof Penderecki, and Johannes Brahms. Tickets \$28, \$20, \$14, discounts available for students and seniors. For tickets or more information,

call 617-427-8200 or visit <<http://www.chameleonarts.org>>.

Dracula: The Music and Film

Nov. 9 at 7:30 p.m. Philip Glass and the Kronos Quartet perform live music to a presentation of the 1931 classic film starring Bela Lugosi. At the Orpheum Theater (1 Hamilton Pl., Boston). Tickets \$50, \$35, and \$25. Call 876-4275 to order.

Theater

The Musical Comedy Murders of 1940

Oct. 28 at 1 p.m. and 5 p.m., Oct. 29 at 2 p.m. at the Ruth Nagel Jones Theatre, Alumnae Hall, Wellesley College. Prepare to Die Laughing! Presented by the Wellesley College Upstage. Tickets: \$6 General Admission, \$3 Seniors, Wellesley Faculty & Staff and Students. Free for Wellesley & MIT Students. Call 781-283-2000 To reserve your tickets or email <cphilip@wellesley.edu>.

Nocturne

Through Oct. 29 (Tue.-Sat. 8 p.m., Sat.-Sun. 2 p.m., Sun. 7 p.m.). At the Hasty Pudding Theater, 12 Holyoke St., Cambridge. Adam Rapp's complex family drama opens the American Repertory Theatre's fall season. Tickets \$59-\$25. Call 617-547-8300 for more information. Or visit <www.amrep.org>.

Comedy Connection

Mon.-Wed. at 8 p.m.; Thurs. 8:30 p.m.; Fri. and Sat. 8 p.m., 10:15 p.m.; Sun. 7 p.m. The oldest comedy club in Boston showcases big-name, national comedians on weekends and up-and-coming local talent during the week. At 245 Quincy Market Place, Faneuil Hall, Upper Rotunda, Boston. Admission \$10-\$8 (weekend prices vary). Call 248-9700 for more information and a complete schedule.

Sun. Oct. 29 at 9:15 p.m.: Black Comedy Explosion, hosted by Jonathan Gates.

Sat. Oct. 27, 8 p.m. and 10:15 p.m., Sun. Oct. 28, 7 p.m.: Jim Breuer of "Saturday Night Live" and "Half Baked".

Blue Man Group

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.

Shear Madness

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 \$30-34.

Exhibits

Institute of Contemporary Art
955 Boylston St., Boston, 02115, (617) 266-5152 (Hynes Convention Center T-stop). Features a wide variety of contemporary conceptual art with shows which emphasize artists from outside the United States. Admission \$6 adults, \$4 students and seniors, free to children under 12 and members.

FRED'S PICK OF THE WEEK

Jim's Big Ego

Sat. Oct. 28 at 7 and 10 p.m. There are several different places celebrating Halloween, but a pretty sure hit is JBE's 4th Annual Halloween Bash. JBE played a great set as part of the Voodoo party last year, and fans of They Might Be Giants will love them. Billy Jonas opens. For all ages at Club Passim (47 Palmer St., Cambridge, MA.) Tickets are \$15 and can be ordered by calling (617) 492-7679.

For more info, visit <<http://www.bigego.com>> or <<http://www.clubpassim.com>>.

Admission free on Thursday evenings. Wheelchair accessible.

Isabella Stewart Gardner Museum
280 The Fenway, Boston, (566-1401), Tues.-Sun. 11 a.m.-5 p.m. Admission \$10 (\$11 on weekends), \$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 renovated Egyptian gallery, features primitive masks dating from as far back as 2500 B.C.; "European Decorative Arts from 1950 to the Present"; "John Singer Sargent: Studies for MFA and Boston Public Library Murals." Gallery lectures are free with museum admission.

Museum of Our National Heritage
33 Marrett Rd., Lexington, 02421, (781-861-6559). Mon.-Sat. 10 a.m.-5 p.m.; Sun. 12 p.m.-5 p.m. Admission and parking free. <<http://www.mnh.org>>

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"; "Science in the Park: Playing with Forces and Motion"; "Seeing Is Deceiving." Ongoing: "Adventures in Wild California"; "Living on the Edge." Admission to Omni, laser, and planetarium shows is \$7.50, \$5.50 for children and seniors. Now showing: "Laser Depeche Mode," Sun., 8 p.m.; "Laser Offspring," Thurs.-Sat., 8 p.m.; "Laser Rush," Sun., 9:15; "Laser Beastie Boys," Thurs.-Sat., 9:15 p.m.; "Laser Floyd's Wall," Fri.-Sat., 10:30 p.m.; "Friday Night Stargazing," Fri., 8:30 p.m.; "Welcome to the Universe," daily; "Quest for Contact: Are We Alone?" daily.

Commonwealth Museum

220 Morrissey Blvd., Boston, 02125. Located across from the JFK Library. Hours: M-F 9-5, S 9-3. Admission is free. For more info. or to arrange a tour, call 617-727-9268.

Other Events

Film Festivals

At the Museum of Fine Arts, Boston, 02115. For tickets and more information, call 369-3770. Tickets for each showing are \$7, \$6 MFA members, seniors, students, unless otherwise noted. **Best Commercials of 1999** Located in Remis Auditorium. Tickets \$7, \$8.

British Advertising Films of 1999
Oct. 27, 28: (80 min.). Now in its 24th year, this annual collection of television ads reveals the British to be the true masters of the advertising film.

World's Best Commercials of the Century
Oct. 27, 28: (86 min.). An homage to the age of consumerism, this program celebrates the best of the best: those ads creative enough to communicate an idea, and powerful enough to provoke emotion. Broken into five sections, World's Best runs the gamut from racy to cheeky to downright sincere. Overall, the program offers an insightful glimpse into the ever-changing history of this omnipresent medium.

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thought
it
was
the
pizza

...but
it
was
the
pressure.

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MIT Symphony Orchestra

Photography by James Camp

Director Dante Anzolini leads the MIT Symphony Orchestra in Leos Janáček's fast-paced collection of Czech folk songs, *Lachian Dances*, during Wednesday night's concert in Kresge Auditorium.

The program will be repeated at 8 p.m. on Saturday, Nov. 4 in Pine Manor College's Ellsworth Hall.

MITSO's next performance, to be held at 8 p.m. on Friday, Dec. 8 in Kresge Auditorium, will feature Stravinsky's 1911 work, *Petrouchka*.



Pamela S. Wood, Senior Lecturer in the Music and Theater Arts department, sings the closing soprano solo from Mahler's Symphony No. 4.

The solo is an extended ode to the joys of Heaven, derived from an anthology of German folk poetry titled *Des Knaben Wunderhorn*.



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BRINGING PRICES
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State to Require Laptop Usage

By Mike Hall
NEWS EDITOR

In an effort to improve the technology skills of its college students, the Massachusetts Board of Higher Education will require all students at public institutions of higher education to own and use laptops within three years.

Massachusetts would be one of the first states to adopt a comprehensive requirement for computers in its public universities and colleges.

The initiative is part of a \$123 million program designed to prepare students for a job market that is growing increasingly dependent on technical skills for traditionally non-technical occupations.

Members of the Board claimed in interviews last week with *The Boston Globe* that the plan would help its students catch up technologically to private school students, many of whom already are required to own laptops or personal computers.

Board of Higher Education member Aaron Spencer told the *Globe* that "this is where education is heading, as well as everything

humanity is doing right now ... into a computer-oriented experience."

State education leaders supported the proposal and its plan to increase the quality of technical education for their students. The proposal "allows the public system in Massachusetts to take a giant step forward in terms of instructional capabilities," said Fitchburg State College President Michael P. Riccards in an interview with the *Worcester Telegram & Gazette*. "It prepares students for the world of work."

According to the proposal, the Board will select three institutions — a community college, a state college, and one of the University of Massachusetts campuses — to run a pilot laptop program. Facets of the program to be tested during the pilot include discount agreements with laptop companies and vouchers for low-income students ranging from partial subsidies to full subsidies.

Board plans increase in IT faculty

The Board also proposed a plan to attract new faculty with experience in information technology-

related fields. Under the proposal, IT professionals will receive incentives to teach classes in technological development and business skills part-time at Massachusetts four-year colleges and community colleges.

In addition, the Board pushed for the creation of new IT courses and programs across the UMass system. The planned new courses will span all traditional disciplines, incorporating new developments in information technology. In their proposal, the Board said that they endorsed these new courses because "the goal for public higher education is to produce IT-fluent graduates in all majors."

Furthermore, the Board's proposal outlines a plan to improve facilities and equipment at all public schools statewide. The proposed \$20 million infrastructure expenditure include plans for wireless networks running throughout the campuses and for the creation of "e-classrooms," which will have built-in multimedia facilities including projectors, DVD players, and computers equipped with CD-ROM drives.

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Howell Impresses Audience

Howell, from Page 1

omy without government intervention would bring about better research results, more affordable medicines, lower tuition at colleges, and help the nation in general.

Howell concluded her speech to the mostly libertarian audience by encouraging people to vote for her and thanking them for their attendance.

In response to Howell's speech, Scott Schneider '00, former president of MIT Libertarians and Radicals for Capitalism, said, "I think [Howell] did fairly well. I especially liked what she said about research and how the free market can bring about much more efficient research."

Jeff Vachon, a volunteer for the Howell campaign, said that "[Howell] is very popular at the universities" and she "drew a fairly good crowd at MIT for a Tuesday night."

However, when asked about her chances at winning the election against thirty-eight year incumbent Ted Kennedy, Howell admitted, "It's a long shot I believe if Ted Kennedy had debated me three times, then I would have had a much better shot." Howell went on to say that "the media's neglect in covering the race may send Ted Kennedy back to Washington with a walk."

Students inspire interest in politics

Smith, speaking about why the MIT Society for Political Awareness brought Carla Howell to MIT, said, "We're trying to educate the student body about the elections."

He added that "we had Jack Robinson a couple of weeks ago and we anticipate having Ezola Foster, the Vice Presidential Candidate for the Reform Party, on November 1." Smith said that the response from MIT students has been moderate thus far.

Howell has served as Chairman of the Libertarian Party in Massachusetts from 1997-1999. According to Smith, her efforts have helped make the Libertarian Party the third most popular in Massachusetts.

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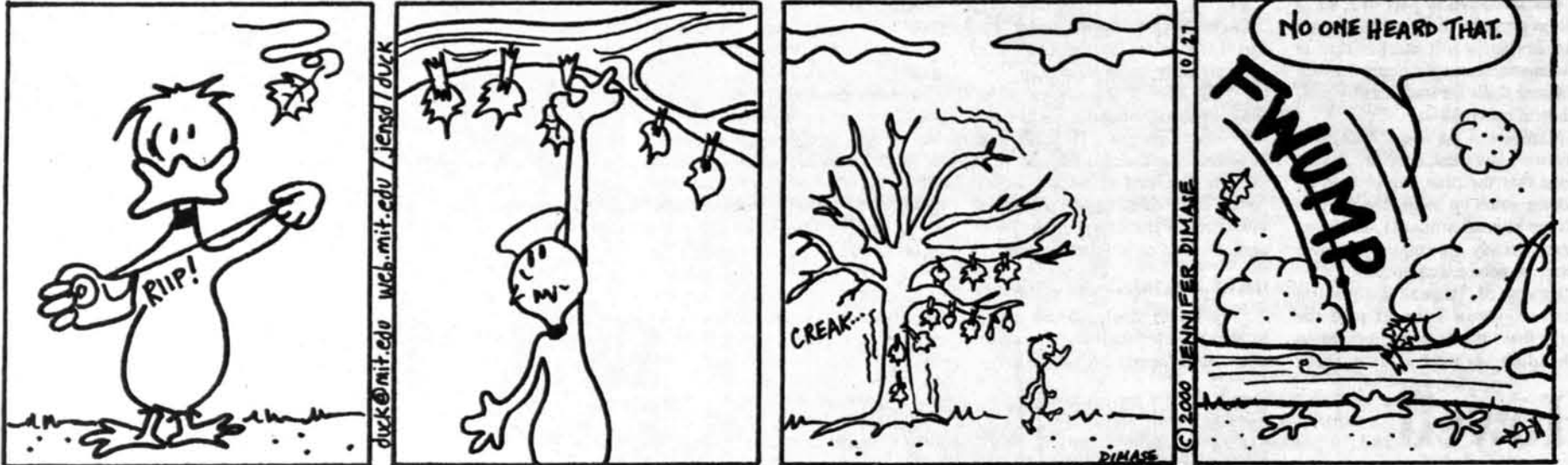
Solution to
Crossword

from page 13

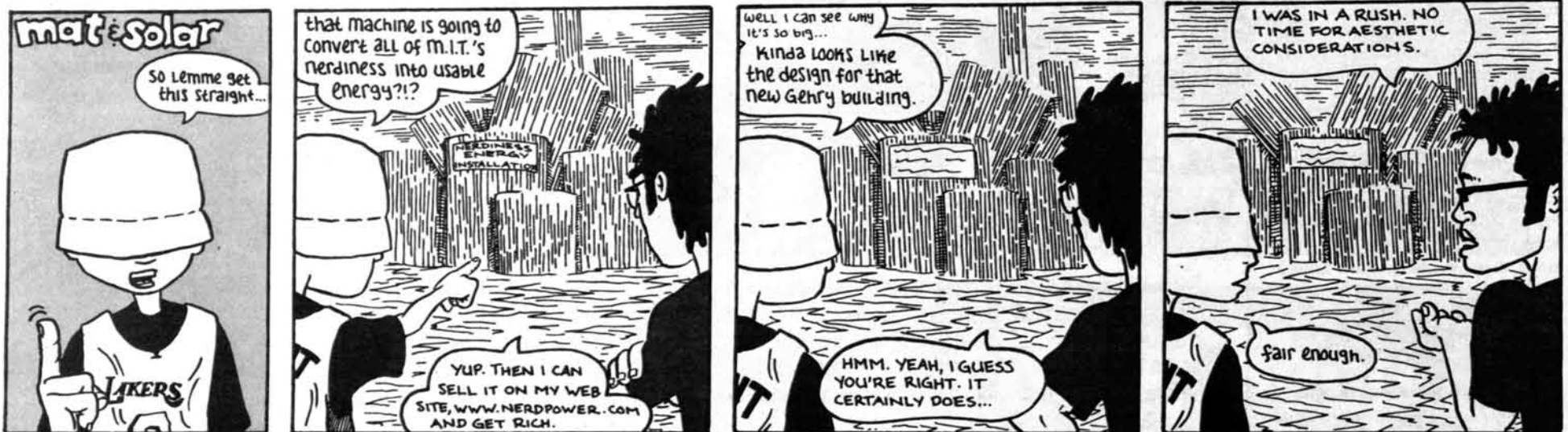
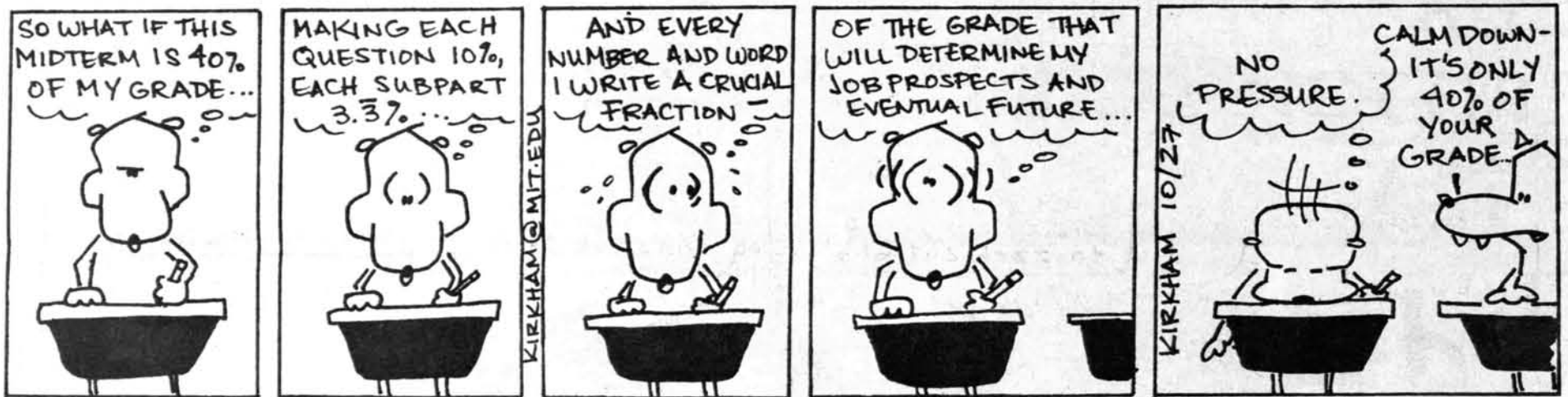
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EAT	TRADEON	DAM
RIGID	NICELY	
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Down with Science

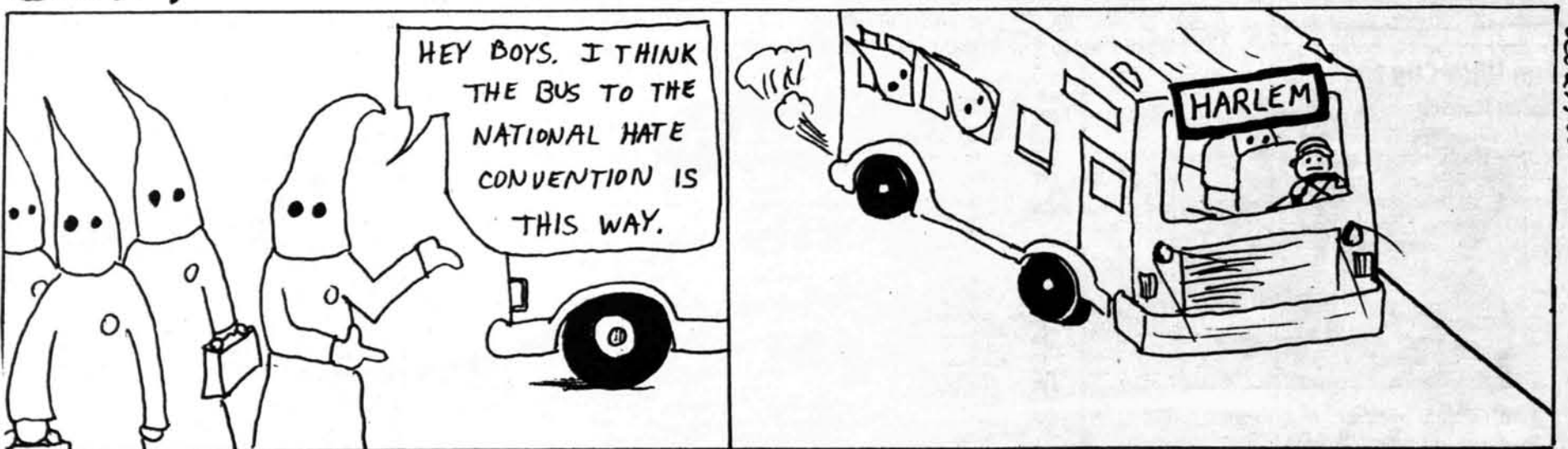
by Jennifer DiMase



the crass rat

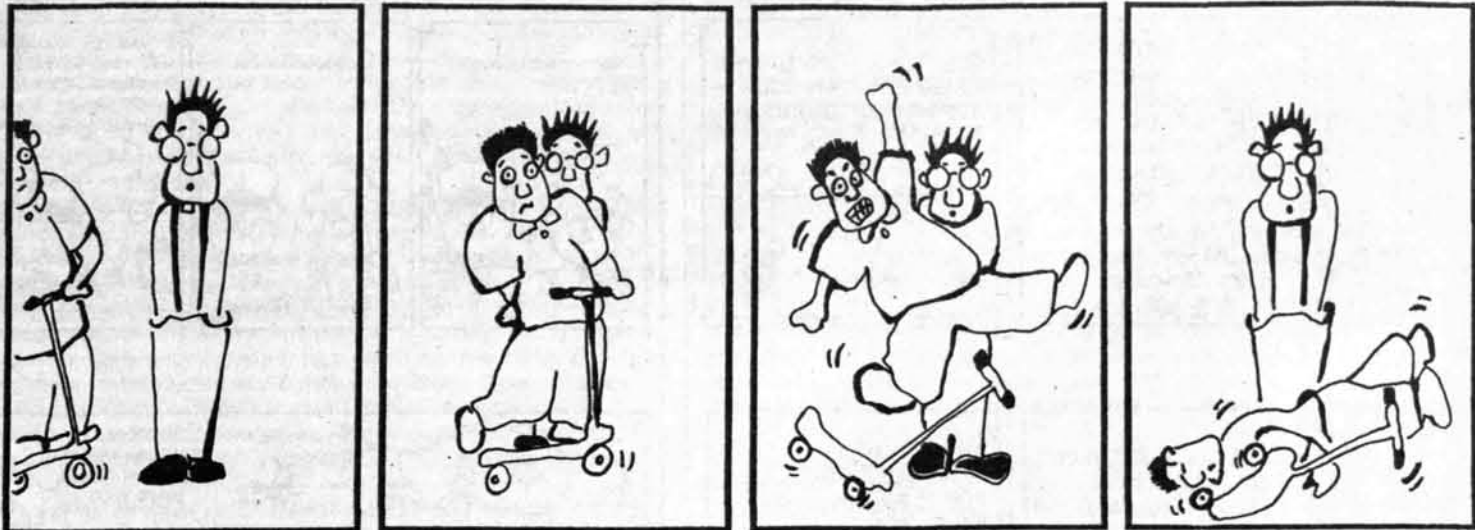


END; BY DAVID



THE END OF HATE

By Guan-Jong (John) Chen
Tech Life



MIT 3H by Toastyhen "Some things never change."

A MANGO'S AUTOBIOGRAPHY

Fun With Clip Art
Aaron Isaksen



"That's right, Sweetie! If everyone in the Middle East were Christian like normal people, we wouldn't have this trouble..."

Crossword Puzzle

- ACROSS

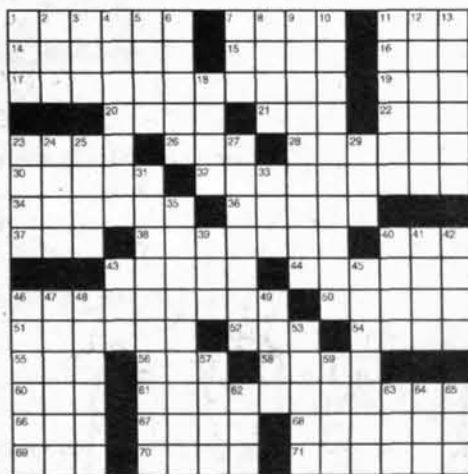
 - 1 Los __, NM
 - 7 Con game
 - 11 And not
 - 14 Appetizer
 - 15 Ray of "God's Little Acre"
 - 16 Lionel Richie hit, "You"
 - 17 Disengagement
 - 19 Command to Fido
 - 20 Vietnamese holidays
 - 21 Paid athlete, briefly
 - 22 Bill's partner?
 - 23 Indira's dress
 - 26 Liquid taste
 - 28 Consternate
 - 30 Forum
 - 32 Snaked
 - 34 "Death in __"
 - 36 Hunter of stars?
 - 37 Consume
 - 38 Exploit
 - 40 Beaver project
 - 43 Unbending
 - 44 __ put (well phrased)
- DOWN

 - 1 Top shot
 - 2 CA airport
 - 3 Syn.'s opposite
 - 4 James Bond's drink
 - 5 Sheriff Taylor's
- 46 Eat-anything types

 - 50 Doctor, at times
 - 51 Expressionless
 - 52 Stick up
 - 54 Early Peruvian
 - 55 Straw drawn
 - 56 Soundless agreement
 - 58 Alternatives to lagers
 - 60 Inventor Whitney
 - 61 Border-crossing exoduses
 - 66 Highland cap
 - 67 Facet
 - 68 "Messiah" composer
 - 69 That woman
 - 70 Aberdonian
 - 71 Tawdry
- kid

 - 6 Splinter groups
 - 7 Formed a lap
 - 8 Cut short
 - 9 Worship
 - 10 Having a single melodic line
 - 11 Racers' grp.
 - 12 Baltimore bird
 - 13 Passed gossip
 - 18 Fire-sale phrase
 - 23 Rescue
 - 24 District
 - 25 1996 Tony-winner
 - 27 Slow-but-sure one
 - 29 Confine
 - 31 Liveliness
 - 33 Anger
 - 35 Concerning human engineering
 - 39 Show on TV
 - 40 Actor Bruce
 - 41 Actor Guinness
 - 42 " __ Breckinridge"
 - 43 Make free (of)
 - 45 Style of preparing food
 - 46 Young hooters
- 47 Snackers

 - 48 Wink of an eye
 - 49 Ride thermals
 - 53 Emotional doldrums
 - 57 Caper
 - 59 & others
 - 62 Obtain
 - 63 Harem room
 - 64 Perce
 - 65 Slightly shift



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Solutions on page 11

Dilbert®

by Scott Adams



by Bill Amend

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TechCalendar

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Friday, October 27

9:00 a.m. - 5:00 p.m. – **Mary A. Harman: Breaking the Mold.** A series of images using multiple print processes to explore issues of women’s individuality and saneness. free. Room: Rm E52-466 . Sponsor: Sloan School of Management.

9:00 a.m. - 5:00 p.m. – **Peace Through Humor: Visions of Peace from the Hands of Children.** Exhibition of paintings, hosted by MIT Hillel. Curated by Maureen Kushner. free. Room: W11, Religious Activities Ctr, 40 Amherst St. Sponsor: Hillel, MIT.

10:00 a.m. - 5:00 p.m. – **Flashes of Inspiration: The Work of Harold Edgerton.** An interactive exhibition celebrating the life and work of MIT legend Harold . \$5; \$2 students/seniors; \$1 children 5-18; free with MIT ID. Room: MIT Museum, N52 2nd floor. Sponsor: MIT Museum.

10:00 a.m. - 3:00 p.m. – **Computer Security Vendor’s Fair.** MIT Information Systems, MIT Police and MIT Insurance Office will host a Computer Security Vendor’s Fair. Come see the devices and services available to protect your information and processing resources. free. Room: Bush Room 10-105. Sponsor: Information Systems.

12:00 p.m. - 1:00 p.m. – **BrioQuery Quick Start.** Learn how to download, install, and set up BrioQuery on your desktop. Learn how to download and process a standard report. An overview of the features and capabilities of BrioQuery will be given. free. Room: N42 Demo Center. Sponsor: Information Systems.

12:00 p.m. - 8:00 p.m. – **Global Conceptualism: Points of Origin, 1950s-1980s.** A major touring group exhibition featuring more than 200 works (photographs, documentation, films, videos, postcards, posters and drawings, as well as paintings, mixed media objects and installations) by over 130 international artists. free. Room: List Visual Arts Center (E15). Sponsor: List Visual Arts Center.

12:00 p.m. - 2:00 p.m. – **MIT Jewish Faculty Affairs Luncheon.** “The Jew In American Politics” A Talk by Stephen Whitfield, Max Richter Char in American Civilization at Brandeis University. Author of the recent book: *In Search of American Jewish Culture*. \$10. Room: W11 Small Dining Room. Sponsor: Hillel, MIT.

2:00 p.m. - 4:00 p.m. – **Fungi: The next Frontier in Genomics?**. free. Room: Room 2-135. Sponsor: Molecular Biology Seminar. Department of Mathematics.

3:00 p.m. - 4:00 p.m. – **“From Chemistry to Automotive Power Trains”.** This year’s annual Hoyt C. Hotel Lectureship in the Department of Chemical Engineering to honor former Professor Hotel’s major contributions to the department. The lectureship was begun in 1985 and is oriented to the fields of combustion and energy technology. free. Room: 66-110. Sponsor: Chemical Engineering.

3:30 p.m. – **The Groundbreaking Ceremony for the Sports and Fitness Center.** Reception to follow outside of the Johnson Athletics Center.The model of the new center will be on display in the lobby of the Johnson Athletics Center. Tours of the newly renovated indoor track will be available following the ceremony. free. Room: Sports and Fitness Center site, between the Johnson Athletics Center, Rockwell Cage, and Briggs Field House. Sponsor: Sports and Fitness Center Groundbreaking Committee.

4:15 p.m. - 5:15 p.m. – **A Generating Tree for 321, Hexagon-avoiding permutations.** Refreshments will be served at 3:30 PM in Room 2-349. free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

5:30 p.m. - 6:00 p.m. – **MITSFS weekly ‘meetings’.** While these are, technically, meetings, it is nigh-forbidden to conduct Real Business at them, as they’re really social events. Imaginary Business, however, is allowed. Usually a dinner trip follows. free. Room: MITSFS Library, W20-473. Sponsor: Science Fiction Society, MIT.

6:00 p.m. 00 a.m. – **Tech Songs, 1903.** Institute Archives and Special Collections: Object of the Month illustrates how MIT students of 100 years ago found a common bond and an outlet for frustration in songs about undergraduate life. free. Room: Hallway exhibit case across from Rm 14N-118. Sponsor: Institute Archives and Special Collections.

6:00 p.m. - 8:00 p.m. – **Steelpan Performance.** This will be a display of the only percussion instrument to be developed in the 20th Century, and the culture behind it. Listen to the renditions of popular Caribbean tunes on the Caribbean’s most renowned musical instrument!. Free. Room: Lobby 10. Sponsor: Caribbean-Club.

6:00 p.m. - 7:30 p.m. – **Boldly Sharing the Gospel.** Pastor Dan Szatkowski from Cambridgeport Baptist Church will speak on “Boldly Sharing the Gospel.” Join us for praise, prayer, and fellowship. Afterwards, we will go bowling (meet at 8:30 p.m. in the Ashdown lobby), which is a GSC-subsidized event. free. Room: Student Center, West Lounge (W20-201). Sponsor: Graduate Christian Fellowship.

7:00 p.m. – **LSC Presents Titan AE.** Friday, October 27 at 7 & 10 pm, and Sunday, October 29 at 7 pm. 26-100. Matt Damon, Drew Barrymore, Janeane Garofalo. In the 31st century, the human race barely escapes annihilation by the Drej, a hostile energy-based alien species. With Earth gone, its human survivors wander through space in drifter colonies as second-class citizens among alien creatures. Mankind’s only hope for survival lies in the iTitan, an experimental ship that has the ability to create worlds. Matt Damon plays Cale Tucker, a cynical young refugee who unknowingly possesses a genetically encoded ring, the only key to finding the missing Titan. Drafted by a band of freedom fighters while on the run from the Drej, Cale reluctantly joins them in a fast-paced, treacherous race to the Titan. Animation, comedy, sci-fi. Rated PG for action violence, mild sensuality and brief language. 94 minutes. \$2.50. Room: MIT Room 26-100. Sponsor: LSC.

7:30 p.m. – **LSC Classics Presents Shaft (1971).** Richard Roundtree. John Shaft (Roundtree) is the ultimate in suave black detectives. He first finds himself up against Bumpy, the leader of the crime mob, and then against Black nationals, before finally working with both against the White Mafia, who are trying to blackmail Bumpy by kidnapping his daughter. \$2.50. Room: MIT Room 10-250. Sponsor: LSC.

8:00 p.m. – **Faculty Recital of Recent Music by Charles Shadle.** Lecturer Charles Shadle, composer/piano with MIT students Ole Nielsen (G—flute) and Dawn Perlner i01 (violin); MIT Affiliated Artist Margaret O’Keefe (soprano) performing Six Dickens Songs; and special guest, baritone Carlos Archuleta, who will premiere Estrella Fugaz. free. Room: Killian Hall. Sponsor: MIT Music and Theater Arts Section.

9:00 p.m. - 11:00 p.m. – **Movie Night.** Movie Title: “Third World Cop”. Free. Room: 471 Memorial Dr, third floor. Sponsor: Caribbean-Club.

9:00 p.m. - 5:00 p.m. – **Renewing the MIT Landscape: Work by the Olin Partnership.** Part of a continuing series of exhibitions focused on current architectural and planning projects at MIT. MIT confronts the challenges of both restoring and rethinking its fabric as it embarks on ambitious capital projects to bring it into the 21st century. Critical to this process is the work of the Olin Partnership, whose designs for public spaces will link new facilities with MIT’s historic core. The exhibition features drawings by Laurie Olin illustrating the evolution of his strategy for addressing MIT’s complex requirements as an institution, urban setting and social system. free. Room: Wolk Gallery (Rm 7-338). Sponsor: Department of Architecture.

10:00 p.m. – **LSC Presents Titan AE.** Friday, October 27 at 7 & 10 pm, and Sunday, October 29 at 7 pm. 26-100. Matt Damon, Drew Barrymore, Janeane Garofalo. In the 31st century, the human race barely escapes annihilation by the Drej, a hostile energy-based alien species. With Earth gone, its human survivors wander through space in drifter colonies as second-class citizens among alien creatures. Mankind’s only hope for survival lies in the iTitan, an experimental ship that has the ability to create worlds. Matt Damon plays Cale Tucker, a cynical young refugee who unknowingly possesses a genetically encoded ring, the only key to finding the missing Titan. Drafted by a band of freedom fighters while on the run from the Drej, Cale reluctantly joins them in a fast-paced, treacherous race to the Titan. Animation, comedy, sci-fi. Rated PG for action violence, mild sensuality and brief language. 94 minutes. \$2.50. Room: MIT Room 26-100. Sponsor: LSC.

Saturday, October 28

7:30 a.m. - 4:00 p.m. – **Smart Money Strategies: Win, Place or Show.** MIT Enterprise Forum of Cambridge Fall Workshop featuring Candice Carpenter, CEO and Founder, iVillage.com A full-day workshop on the smart ways to raise and spend money on your new business venture. Although cause for celebration, getting your enterprise up and running is just the start. The steps you take next and the decisions you make will determine how far your dreams will travel. Room: Kresge Auditorium. Sponsor: MIT Enterprise Forum of Cambridge, Inc.

12:00 p.m. - 5:00 p.m. – **Flashes of Inspiration: The Work of Harold Edgerton.** An interactive exhibition celebrating the life and work of MIT legend Harold (. \$5; \$2 students/seniors; \$1 children 5-18; free with MIT ID. Room: MIT Museum. Sponsor: MIT Museum.

12:00 p.m. - 6:00 p.m. – **Global Conceptualism: Points of Origin, 1950s-1980s.** major touring group exhibition featuring more than 200 works (photographs, documentation, films, videos, postcards, posters and drawings, as well as paintings, mixed media objects and installations) by over 130 international artists. free. Room: List Visual Arts Center (E15). Sponsor: List Visual Arts Center.

1:00 p.m. – **Women’s Volleyball vs. Babson College.** free. Room: du Pont Gymnasium. Sponsor: Department of Athletics.

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.

2:00 p.m. - 4:00 p.m. – **Forum.** Theme: “Information Technology in the Caribbean: Propelling the Caribbean along the Information Highway”. Free. Room: 4-163. Sponsor: Caribbean-Club.

2:00 p.m. - 4:00 p.m. – **Robots & Beyond: Exploring Artificial Intelligence at MIT Opening Weekend.** Interactive activities for all ages including thematic costume-making for Halloween.Free with an MIT I.D. \$5; \$2 students/srs; \$1 children 5-18; free w/MIT ID. Room: MIT Museum, 265 Mass Ave. Sponsor: MIT Museum.

3:00 p.m. – **Men’s Cross Country - NEWMAC CHAMPIONSHIPS.** free. Sponsor: Department of Athletics.

3:00 p.m. – **Women’s Cross Country - NEWMAC CHAMPIONSHIPS.** free. Room: Franklin Park. Sponsor: Department of Athletics.

6:00 p.m. 00 a.m. – **Tech Songs, 1903.** Institute Archives and Special Collections: Object of the Month illustrates how MIT students of 100 years ago found a common bond and an outlet for frustration in songs about undergraduate life. free. Room: Hallway exhibit case across from Rm 14N-118. Sponsor: Institute Archives and Special Collections.

6:30 p.m. - 9:00 p.m. – **Dinner and Cultural Show.** The show features song, dance, poetry and skit performances showcased by several Caribbean groups from our own and other local colleges.Dinner features the delicious traditional dishes of the various ethnic groups that call the Caribbean home. \$5. Room: MIT Student Center, Lobdell Dining Hall. Sponsor: Caribbean-Club.

7:00 p.m. – **LSC Presents Final Destination.** After having a vision of his friends crashing in a plane, a young man tells them not to get on; only later, his friends start getting killed, one by one. \$2.50. Room: MIT Room 26-100. Sponsor: LSC.

9:00 p.m. - 1:00 a.m. – **AfterParty.** Free with ticket stub from Cultural Show, \$3 otherwise. Room: MIT Student Center, Lobdell Dining Hall. Sponsor: Caribbean-Club.

10:00 p.m. – **LSC Presents Final Destination.** After having a vision of his friends crashing in a plane, a young man tells them not to get on; only later, his friends start getting killed, one by one. \$2.50. Room: MIT Room 26-100. Sponsor: LSC.

Sunday, October 29

12:00 p.m. - 5:00 p.m. – **Flashes of Inspiration: The Work of Harold Edgerton.** An interactive exhibition celebrating the life and work of MIT legend Harold (. \$5; \$2 students/seniors; \$1 children 5-18; free with MIT ID. Room: MIT Museum. Sponsor: MIT Museum.

12:00 p.m. - 6:00 p.m. – **Global Conceptualism: Points of Origin, 1950s-1980s.** major touring group exhibition featuring more than 200 works (photographs, documentation, films, videos, postcards, posters and drawings, as well as paintings, mixed media objects and installations) by over 130 international artists. free. Room: List Visual Arts Center (E15). Sponsor: List Visual Arts Center.

2:00 p.m. - 4:00 p.m. – **Robots & Beyond: Exploring Artificial Intelligence at MIT Opening Weekend.** Interactive activities for all ages including thematic costume-making for Halloween.Free with an MIT I.D. \$5; \$2 students/srs; \$1 children 5-18; free w/MIT ID. Room: MIT Museum, 265 Mass Ave. Sponsor: MIT Museum.

4:00 p.m. – **MITHAS Concert.** MITHAS founder & Senior Lecturer George Ruckert, sarod, brings to his playing the lyricism and power gathered from his long training with maestro Ali Akbar. With Swapan Chaudhuri, tabla. Presented by MITHAS (MIT Heritage of South Asia). \$15; \$12 stdnts/srs/MITHAS/NE Hindu Temple members; free MIT stdnts. Room: Wong Auditorium. Sponsor: MITHAS.

6:00 p.m. 00 a.m. – **Tech Songs, 1903.** Institute Archives and Special Collections: Object of the Month illustrates how MIT students of 100 years ago found a common bond and an outlet for frustration in songs about undergraduate life. free. Room: Hallway exhibit case across from Rm 14N-118. Sponsor: Institute Archives and Special Collections.

7:00 p.m. – **LSC Presents Titan AE.** Friday, October 27 at 7 & 10 pm, and Sunday, October 29 at 7 pm. 26-100. Matt Damon, Drew Barrymore, Janeane Garofalo. In the 31st century, the human race barely escapes annihilation by the Drej, a hostile energy-based alien species. With Earth gone, its human survivors wander through space in drifter colonies as second-class citizens among alien creatures. Mankind’s only hope for survival lies in the iTitan, an experimental ship that has the ability to create worlds. Matt Damon plays Cale Tucker, a cynical young refugee who unknowingly possesses a genetically encoded ring, the only key to finding the missing Titan. Drafted by a band of freedom fighters while on the run from the Drej, Cale reluctantly joins them in a fast-paced, treacherous race to the Titan. Animation, comedy, sci-fi. Rated PG for action violence, mild sensuality and brief language. 94 minutes. \$2.50. Room: MIT Room 26-100. Sponsor: LSC.

8:00 p.m. – **MIT Concert Band Fall Concert.** Thomas Reynolds, Director; Jennifer Hazel and Robert Rucinski ’99, Assistant Conductors. Performing works by Bernstein, Holst, and Shostakovich. Free. Room: Kresge Auditorium. Sponsor: Concert Band.

10:00 p.m. **LSC Presents Final Destination.** After having a vision of his friends crashing in a plane, a young man tells them not to get on; only later, his friends start getting killed, one by one. \$2.50. Room: MIT Room 26-100. Sponsor: LSC.

Monday, October 30

9:00 a.m. - 5:00 p.m. – **Mary A. Harman: Breaking the Mold.** A series of images using multiple print processes to explore issues of women’s individuality and saneness. free. Room: Rm E52-466 . Sponsor: Sloan School of Management.

9:00 a.m. - 5:00 p.m. – **Peace Through Humor: Visions of Peace from the Hands of Children.** Exhibition of paintings, hosted by MIT Hillel. Curated by Maureen Kushner. free. Room: W11, Religious Activities Ctr, 40 Amherst St. Sponsor: Hillel, MIT.

12:00 p.m. - 1:00 p.m. – **Real-Time Fluorescent Imaging of Phospholipase Activity in the Zebrafish: A Mutational Screen with Guts.** free. Room: E25-401. Sponsor: Wurtman Lab.

12:00 p.m. - 1:00 p.m. – **Virus Protection Quick Start.** Learn how to download, install, and configure virus protection for your computer, and how to keep the software up to date. Discuss your questions with Jerry Isaacson, MIT Information Security Officer. free. Room: N42 Demo Center. Sponsor: Information Systems.

2:00 p.m. - 3:00 p.m. – **“2D Theory of Fluctuation Reflectometry Diagnostics”.** free. Room: NW17-218. Sponsor: Plasma Science and Fusion Center.

3:00 p.m. - 4:00 p.m. – **“What caused Visteon to change its manufacturing direction for the 21st century?”.** Mechanical Engineering Seminar Series. free. Room: room 2-143. Sponsor: ME Seminar Series.

4:00 p.m. - 5:00 p.m. – **“Estimates on harmonic functions and rectifiability of singular sets.”.** free. Room: Room 2-146 at MIT. Sponsor: Differential Geometry Seminar. M.I.T. Department of Mathematics.

4:00 p.m. - 6:00 p.m. – **Technical Sweetness: Genetic Engineering and the Failure of Bioethics.** STS Colloquium. free. Room: E51-095. Sponsor: STS.

4:00 p.m. - 5:00 p.m. – **Things That Think.** free. Room: Edgerton Hall, 34-101. Sponsor: EECS.

4:15 p.m. - 5:15 p.m. – **Decoupling and Martingales: The Interplay.** Refreshments will be held at 3:45 PM in Room 2-349. free. Room: Room 2-105. Sponsor: Applied Mathematics Colloquium. Department of Mathematics.

5:00 p.m. - 7:00 p.m. – **Public Service Steering Committee Meeting.** People involved in establishing or maintaining community service groups at MIT are welcome to share their ideas at this open meeting sponsored by the Public Service Center (PSC). We want to offer the opportunity for problem-solving discussions, news-sharing, resource ideas, friendly conversation, and appetizers. free. Room: Private Dining Rooms 1 & 2, Student Center (W20). Sponsor: Residential Life and Student Life Programs. Public Service Center.

6:00 p.m. 00 a.m. – **Tech Songs, 1903.** Institute Archives and Special Collections: Object of the Month illustrates how MIT students of 100 years ago found a common bond and an outlet for frustration in songs about undergraduate life. free. Room: Hallway exhibit case across from Rm 14N-118. Sponsor: Institute Archives and Special Collections.

7:00 p.m. - 9:00 p.m. – **Hungarian Movie Nights.** The Annnunciation by Andras JelesIntroduced by one of the actors. free. Room: 4-237. Sponsor: Hungarian Student Association of MIT.

9:00 p.m. - 5:00 p.m. – **Renewing the MIT Landscape: Work by the Olin Partnership.** Part of a continuing series of exhibitions focused on current architectural and planning projects at MIT. MIT confronts the challenges of both restoring and rethinking its fabric as it embarks on ambitious capital projects to bring it into the 21st century. Critical to this process is the work of the Olin Partnership, whose designs for public spaces will link new facilities with MIT’s historic core. The exhibition features drawings by Laurie Olin illustrating the evolution of his strategy for addressing MIT’s complex requirements as an institution, urban setting and social system. free. Room: Wolk Gallery (Rm 7-338). Sponsor: Department of Architecture.

MIT Will Sell Topsfield Estate

By Matthew Palmer
ASSOCIATE NEWS EDITOR

MIT has placed a mansion and over 150 acres of land in northern Massachusetts up for sale, with an asking price of \$6.5 million.

The balance of the 571 acre Coolidge Estate, which contains homes, farm buildings, and part of a river, will be placed on the market after the main estate is sold.

The land, located in Topsfield, Massachusetts, was donated by former MIT Corporation member William A. Coolidge.

"I think the intent [was that the land] was always to be sold," said MIT spokesman Robert J. Sales. Due to its remote location, the estate probably "wouldn't make a good meeting place or be used for anything academic," he said.

If sold, the proceeds would be placed in the general endowment, according to MIT Treasurer Allan

Bufferd. The endowment is used for a variety of general purposes around the Institute.

The 24-room Georgian mansion was built out of brick in 1921. It features 14 bedrooms, six fireplaces, and expansive gardens. Two small cottages also sit on the land.

Land protected as open space

Before placing the estate up for sale, MIT arranged to have it kept as open land. The Essex County Greenbelt Association, a private nonprofit land trust, agreed to protect all 571 acres from future building developments.

The Association seeks to set up and conserve "greenbelts," pieces of land with rivers, trails, and other natural landscapes, according to their website. The Coolidge Estate contains over a mile of land bordering the Ipswich River.

Changes to existing structures

could be made with the Greenbelt Association's consent, according to an MIT press release.

Donated by former MIT staffer

The estate was donated to MIT following Coolidge's death in 1992. It is not being sold until now because some conditions of the property had to be resolved, and the Institute wanted to protect the land, said Bufferd. "It takes a while for all those things to be straightened out."

A graduate of Harvard Law School, Coolidge served the MIT Corporation beginning in 1948, was elected a Life Member in 1953, and a Life Member Emeritus in 1976.

He served as a lawyer and founded New Enterprises, Inc., which invested in small business ventures. He later created the National Research Corporation, which he chaired for over 20 years.



JAMES CAMP—THE TECH

Renovation of the old Kendall Square firehouse has shut down Dock Street, normally a part of the Cambridge East SafeRide route. The revised Cambridge East schedule is available online at <http://web.mit.edu/parking/saferide.html>.

Activists Find Greyhounds Homes

Greyhound Racing, from Page 1

then, Coleman said.

"It's generally unhealthy," she said, and the tracks, which are barely breaking even, don't have enough resources to fix the situation.

Michael C. Muller, who is part of the public relations staff for the Massachusetts Animal Interest Council feels that greyhound racing in Massachusetts is a local issue and that those who want to ban greyhound racing are being unfair.

"If someone did something wrong in some place in some industry, should you blame the whole industry?" Muller said. He also believes that Wonderland track owner George Carney is a well respected community figure and said that the track is a "family business that has been around since the 1930's without a documented case of abuse for the past 65 years."

Muller said that MAIC is also working in the interests of the 1200 workers at the Raynham-Taunton tracks.

Although MAIC clearly has an

interest in preserving greyhound racing, it claims to be supported by the National Greyhound Association, a group that provides information on both sides of the issue and explains current policies on greyhound racing in Massachusetts.

"If someone did something wrong in some place in some industry, should you blame the whole industry?"

— Michael C. Muller,
Mass. Animal
Rights Council

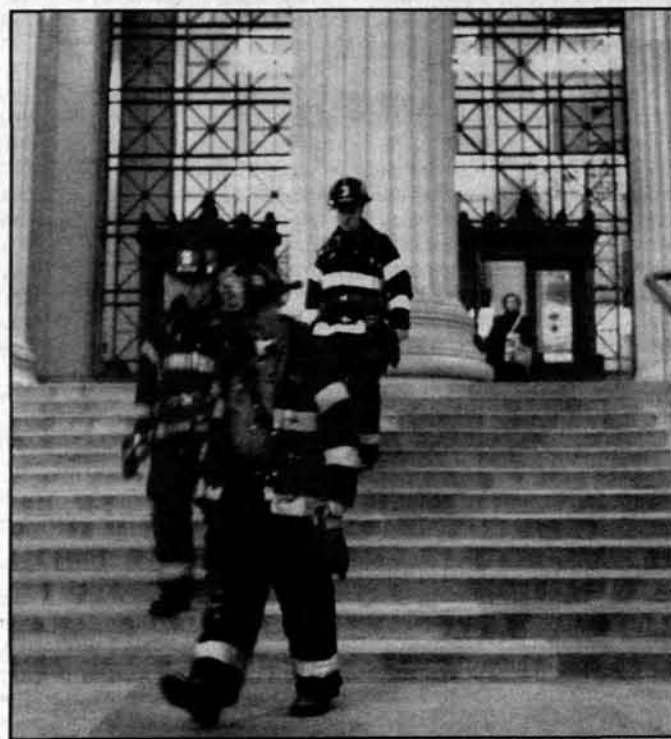
The National Greyhound Association has established a formal greyhound farm inspection program which is funded by the American Greyhound Council. This program is staffed by one full-time and 75

part-time inspectors who make unannounced visits to 1000 of the 2000 greyhound farms on a rotating basis every year and make sure that greyhound registration requirements are being met.

The consequences of not passing inspection include: follow-up inspections, temporary suspensions, direct intervention by the AGC, notification of state officials which could result in revocation of licenses, and in extreme cases expulsion from the NGA for life disqualifying the farm owner from racing at all greyhound tracks.

Coleman said she is expecting Question 3 to pass, and said that her adoption agency, which usually receives about 400 dogs per year, is preparing to deal with the influx of greyhounds as a result of the question passing.

Both Coleman and Wolkovitz said that the agencies place all the dogs that they receive. "I'm not going to destroy them. A lot of people are second-time, third-time owners who found out what good pets they make," Wolkovits said.



JAMES CAMP—THE TECH

CRYING WOLF? — Cambridge firefighters responded to a false alarm in Building 9 Wednesday night. One fireman speculated that the alarm was triggered by a cigarette.

MIT Caribbean Club
presents

Caribbean Weekend 2000 October 27-28th

Schedule of Events

FRIDAY 27TH OCTOBER

Steelpan Performance
Featuring
Mackie Bernette and Panorama
MIT Campus, Lobby 10
FREE
6-8PM

Movie Night
"Third World Cop"
471 Memorial Dr.
FREE
9-11PM

SATURDAY 28TH OCTOBER

Forum
Information Technology in the Caribbean:
Propelling the Caribbean along the
Information Highway
MIT Campus, 4-163
FREE
2-4PM

**Dinner and
Cultural Show**
MIT Student Center,
Lobdell Dining Hall
6:30-9PM
Cost \$5

AfterParty

9PM-1AM
MIT Student Center, Lobdell Dining Hall
FREE !!!
(with ticket stub from Cultural Show)
ONLY \$3 without

AT AN INITIAL PRESS SCREENING FOR 'BOOK OF SHADOWS: BLAIR WITCH 2', INTERNET FILM GURU HARRY KNOWLES SAID THE FOLLOWING:

"Joe Berlinger has made a film that you folks that hated THE BLAIR WITCH PROJECT will find intelligent, spooky, well-crafted and good...And for you folks that loved it, Berlinger advances, comments, acknowledges and pays tribute to the power of the mythology that THE BLAIR WITCH PROJECT

created...while also commenting and satirizing the fandom and fanaticism that erupted around the first film. 'BOOK OF SHADOWS: BLAIR WITCH 2' is unique, different and good enough to stand completely apart and away from THE BLAIR WITCH PROJECT."

BOOK OF SHADOWS
BLAIR WITCH 2

A JOE BERLINGER FILM

STARTS FRIDAY, OCTOBER 27TH!

GENERAL CINEMA FRAMINGHAM 16 SHOWTIME 7:00 PM TICKETS \$10.00	SHOWCASE CINEMAS REVERE SHOWTIME 7:00 PM TICKETS \$10.00	SHOWCASE CINEMAS CIRCLE SHOWTIME 7:00 PM TICKETS \$10.00	GENERAL CINEMA BRAINTREE 10 SHOWTIME 7:00 PM TICKETS \$10.00	GENERAL CINEMA BURLINGTON 10 SHOWTIME 7:00 PM TICKETS \$10.00	LOEWS DANVERS SHOWTIME 7:00 PM TICKETS \$10.00
SHOWCASE CINEMAS WOBURN SHOWTIME 7:00 PM TICKETS \$10.00	SHOWCASE CINEMAS RANDOLPH SHOWTIME 7:00 PM TICKETS \$10.00	SHOWCASE CINEMAS DEDHAM SHOWTIME 7:00 PM TICKETS \$10.00	LOEWS SOMERVILLE SHOWTIME 7:00 PM TICKETS \$10.00	GENERAL CINEMA FENWAY THEATRE SHOWTIME 7:00 PM TICKETS \$10.00	LOEWS DANVERS SHOWTIME 7:00 PM TICKETS \$10.00

Program in Effect Since Mid-October

Badges, from Page 1

In addition, Scali said that recent crackdowns in the Allston-Brighton area may have sent more underage students to Cambridge to acquire alcohol.

Only one potential violation so far

The Badges in Bars program first took effect on October 12th and 13th. Investigations into underage drinking have been occurring every week since then and expected to continue into next year, Scali said. So far there has been one potential violation, he said.

Under the program, one police officer is stationed at the door of a restaurant or bar to prevent students from getting away while another police officer, accompanied by the chief investigative officer from the CLC, approaches people drinking alcohol who look underage and asks them for identification, Scali said.

Those who do not produce proper identification are arrested or given citations that lead to a court appearance and the possibility of a \$2,000 fine or imprisonment. In addition, the student's school is notified, and the school will take the standard disciplinary action upon the student. The restaurant or bar where the alcohol is served is also subject to disciplinary action by the CLC.

"We try to hit eight to ten restaurants per night," Scali said. "We tend to go to those that operate in the evening and have entertainment ... [primarily] in the Harvard Square, Central Square, Inman Square areas."

Scali said that local universities, including MIT, have supported the program. "If they find any of their students [are caught], they will take disciplinary action," Scali said.

MIT aware of program

Sarah Gallop, co-director of MIT's office of government and community relations, said that MIT became aware of the program through its position on the Cambridge Licensee Advisory Board, which consists of institutions such as MIT and Harvard and organizations that have licenses to sell alcohol.

Dean for Student Life Larry G. Benedict said he was aware of the program but was uncertain on the type of consequences MIT students caught under the program would face.

In November of 1997, when Cops in Shops started, MIT held a public press conference at which Campus Police Chief Anne P. Glavin pledged support for that program with a \$1,000 contribution to James Tipping, president of the CLAB at the time. Cops in Shops is currently still ongoing, Scali said, although officers haven't took part in the program since December 1999.

Next week, the CLC is starting another new program in coordination with Mothers Against Drunk Driving. This program has "underage kids outside package stores asking people on the street to serve them alcohol," Scali said. The purpose of the program, however, is not punitive, and is meant to just tell those who do purchase alcohol for minors that they "just did the wrong thing."

CAMPUS CONSTRUCTION UPDATES

SIMMONS HALL

Steel piling installation begins this week, continuing for three weeks and causing excessive noise. Excavation of soil is planned for later this month and will continue through the end of November. Project completion: August 2002

STATA CENTER

The excavation of the 3.2 acre Stata Center site begins next week, bringing with it a constant flow of heavy trucks, vibration, noise and traffic disruption for the next four months. Major sources of noise will be from the trucks and from pounding the tie rods into the slurry walls. Project completion: December 2003.

SPORTS AND FITNESS CENTER

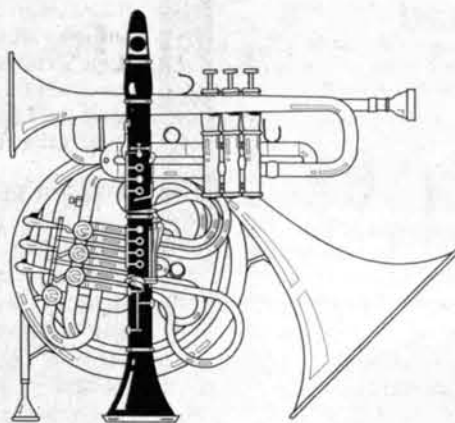
The groundbreaking is scheduled for Friday, Oct. 27 outside the Johnson Athletics Center.

UTILITIES UPGRADE

Media Lab Extension: Utility relocation work on Ames and Amherst Streets will disrupt both vehicular and pedestrian traffic through the end of the year. Utility upgrade completion: December 2001. Media Lab extension completion: December 2003.

This information supplied by the Department of Facilities:
<http://web.mit.edu/facilities/www/construction/>

MIT Concert Band



DIRECTOR:

Thomas Reynolds

ASSISTANT CONDUCTORS:

Jennifer Hazel and Robert Rucinski '99

Sunday, October 29

8 pm

Kresge Auditorium

Free Admission

PERFORMING WORKS BY:

Bernstein, Holst, and Shostakovich

GUEST SOLOIST:

Jerry Shaw, Bass Trombone

web.mit.edu/band
band-of cers@mit.edu

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QUANTITATIVE EQUITY ANALYST

MDT Advisers is a small, quality-oriented money management firm. We are looking for a bright, conscientious, and energetic individual to join our Quantitative Equity Strategies Group. This individual will contribute in all areas of portfolio management including software development, investment research, and daily trading.

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David Goldsmith, our Director of Quantitative Equity Strategies, will be interviewing candidates at MIT on Tuesday, November 14, 2000.

Candidates should submit a resume, a copy of an official transcript, and a cover letter with GPA and SAT scores by October 31, 2000 to the online recruiting service InterviewTrak.

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the
sugar

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it
was
my
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Beaver Defense Shines in Win

Football, from Page 20

anced running attack that set the tone for the afternoon. Worcester backs Chris Parker (75 yards) and Keith Anderson (77 yards) would prove tough to bring down, but MIT always seemed to find out how when WSC edged closer to scoring. A Lancer turnover on downs at 2:57 in the first quarter was the first of four times the Beavers stalled the opponents' drive in MIT territory.

The second quarter saw more scoreless action right up until the halftime whistle. The MIT offense received the ball with 4:22 remaining but could only whittle the clock down to 2:57 before punting. Using a no-huddle offense, the Lancers drove 56 yards in 9 plays to get to the MIT 10-yard line with 8 seconds left before half.

After a time out, Worcester freshman quarterback Cean Oksanish found receiver Todd Daskowski on a crossing route for the touchdown as time expired. Despite Gennetti's missing of the extra point, the score gave the Lancers a huge momentum boost going into the second half.

Ferguson pulls Beavers ahead

Midway through the third quarter the Beavers finally rekindled the slow-burning style that brought them success against NEFC big guns Bridgewater and Nichols, and the result was a gritty scoring drive that erased the deficit.

The 13-play, 63-yard drive, which killed 6 minutes off the clock, was highlighted by a gutsy 18-yard pass completion from quarterback Philip M. Deutsch '04

WNEC Next for Beavers

Tomorrow the Beavers travel to Western New England College for an inter-division contest against the Golden Bears, who have posted a respectable 4-3 record this season. MIT holds an 8-3 edge in the all-time series, including a 34-9 romp at Steinbrenner Field last year. However, as evidenced by their 34-20 victory over Framingham last week, the Golden Bears have displayed marked improvement on both sides of the ball in 2000.

On offense, the Golden Bears have a formidable weapon in All-NEFC junior running back Marvin Langley. An excellent between-the-tackles runner, Langley ranks 2nd in the NEFC in rushing yards, but what makes him twice as dangerous to opposing defenses are his polished receiving skills out of the backfield. Langley is also complemented by a solid wide receiver in junior Jody Lemoi. Quarterback Matt Sotherden, a freshman, has played well since taking over the starting job midway through the year.

Defensively, WNEC is at the middle of the pack in nearly every team statistical category. Nevertheless, the Golden Bears exhibit a wealth of individual talent at several positions. The strength of the WNEC defense is its secondary, where cornerbacks Lester Johnson (6 INT, 1st in NEFC) and Brian Luce (2nd on team in tackles) have emerged as all-conference nominees. Senior linebacker Ryan Watson is a playmaker, and sophomore tackle Scott Hurlbut should give the Tech offensive line headaches.

The Golden Bears possess neither the team speed nor skill that the Beavers have seen over the past three weeks. However, Langley may be the best individual player to take the field against MIT this year. Improvement over last week's offensive performance is a requirement for a Tech victory, but the WNEC defense is a notch below that of Worcester State, so the MIT offense should return to its form of Weeks 5 and 6.

In addition, the defensive confidence has grown after outstanding performances against the premier teams of the NEFC, so the Beavers have an excellent chance of posting their third consecutive victory over a team with a winning record.

to wideout Gregory N. Nelson '02. After catching the ball at the WSC 10-yard line, Nelson broke three tackles and made a spin move to elude another tackle before being brought down at the 1. On the next play fullback Kip M. Johann-Berkel '02 plunged into the end zone, and kicker Kevin M. Ferguson '02 drilled the extra point to put MIT ahead.

Ferguson, however, saved his biggest contribution to the victory for the fourth quarter. With MIT facing 4th and 7 inside their own 30-yard line, the Langhorne, PA native kicked a booming 64-yard punt that was downed at the Worcester State 3-yard line.

The horrible field position disrupted the flow of the WSC offense, which could only muster 8 yards before being forced to punt. On the punt attempt, the ball was snapped over the head of Gennetti and out of the end zone, giving MIT a safety to widen their lead to 9-6.

Linebackers spur Tech to victory

Ferguson added two more stellar fourth-quarter punts to keep WSC pinned deep in their own zone, and the Beaver offense capitalized on favorable field position to pull away for the win. Facing 4th and 5 at their own 25 with 6:45 to go in the game, the Lancers committed a crucial mistake by mustering just a 5-yard punt.

On the very next play Deutsch found tight end Daniel Relihan '04 in the corner of the end zone for a 30-yard touchdown, which gave

the Beavers a 10-point lead and some breathing room with the game winding down.

MIT would preserve the second half shutout, but not before surviving another long yet scoreless drive from the WSC offense. Oksanish led a 14-play, 65-yard drive down to the MIT 10, but a 4th-down wide receiver screen fell short for the Lancers. The Beaver defense, bruised but not broken, rushed off the field in exhausted joy, leaving the offense to run off the final 43 seconds of the game.

Amazingly, the Tech defense gave up only one score despite being on the field for 95 plays, due to spectacular playmaking by its four linebackers. The incredible individual statistics reflected the physical and mental toughness of the entire unit on the day. Left inside linebacker Brian L. Licata '01 had 18 tackles and a fumble recovery, which earned him the NEFC Defensive Player of the Week selection.

In addition, right inside linebacker Brent M. Schreiber '03 had 14 tackles, including 9 solo, and a forced fumble; right outside linebacker James C. Jorgensen '01 had 15 tackles, including 2 quarterback sacks; and left outside linebacker Daniel J. Bush '01 had 15 tackles.

Beaver Injury Report: TE Keith Battocchi, fractured finger, out; FS Tanis Fidelholtz, sprained shoulder, out; OT Kent Ross, deltoid contusion, probable.

Rucking Beavers Set To Play Harvard Next

Rugby, from Page 20

going and Johnny Robinson G spun the pass out to Adam Golden '03 for another try.

The backs clicked well and great support by Steve Murray PhD'00 and Bruno Lavoue G gave the latter the try. Another nice backline play, and Partridge crossed the line to make the score 20-0.

When John Paul Shen '02 intercepted a pass, he ran it 50 yards to dish the ball to Lavoue for his second score. Somewhat later, flanker Gavin Braithwaite G sidestepped two players and got the ball off to a well-supporting Murray, who converted the try for a 32-0 score. Just before the half Lowell scored a try after nice mauling.

In the second half MIT brought in its reserves. At first this could not be noticed, as in the opening minutes Adam Hendriks G scored a try after some amazing forward rucking. Fabio Dalan G converted this try with a dropkick. MIT was happy with controlling the game and Lowell could only score after a penalty kick and after serious miscommunications in the MIT backline contributed to a final score of 39-15.

This was the last game for Kris Sobczak '00 in a Beaver shirt; he will be missed after nine seasons of hard MIT rugby. Next Saturday Harvard Business School is visiting MIT for the last home game of the season. The week after, the team travels to Atitash, NH for the New England Championships.

Another valuable lesson learned from Hollywood: **38** of 74



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Women's Frisbee Wins Purple Valley Tournament

Ultimate Team Finds Success with Zone, Man-to-Man Defensive Strategies at Williams College

By Lori Eich
TEAM MEMBER

Last weekend the women's ultimate frisbee team won the Purple Valley Tournament at Williams College. Despite high winds and cold hands, MIT beat Tufts 13-10 in the final game.

MIT swept the pool play on Saturday, Oct. 21. They started the day by shutting out Wellesley 13-0 and proceeded to beat Williams 13-3. After winning their bracket, MIT was seeded 2nd behind Tufts for single elimination play on Sunday, Oct. 22.

The team's first game on Sunday was quick and painless. MIT pulled a 1-3-3 defense against Brown. After tiring out Brown's offense and forcing a turnover, MIT's Nancy Sun '04 picked up the disc and hucked it into the end zone to April Rasala G. Later in the game, Chun Hua Zheng '01 showed her man-to-man defensive skills by intercepting three passes. At MIT's game point, Brown made another turnover, which was picked up by captain Pei-Lin Hsiung G for an easy pass to Dana Scott '01 in the end zone. MIT beat Brown 13-1.

In the semifinals against Cornell, MIT won 13-1 with a hard-fought second half. The versatile skills of Christine Dobson '03 stood out during this game. Dobson proved herself an excellent receiver as well as a solid handler by advancing the disc up

the field and making smart cuts in the end zone. Lori Eich '03 also contributed several points to the game with her signature end zone rolling catch.

After a 2-point loss to Tufts in a previous tournament, MIT was ready to take them down in the finals at Purple Valley. The biting October winds were growing stronger, giving an advantage to the team with the offensive downwind. Crystal Hsu '01 exploited this and started the game with a hammer into the end zone to alumna Kari Andersson. Then, after Tufts scored a downwind point, MIT came back to score three in a row. This 4-1 advantage set the stage for the rest of Tufts' defeat.

Further into the game, MIT led 11-8. Alicia Volpacelli '98 combined with Stacy McGeever '93 and Kathy Dobson '03 for a give-and-go play to bring the score to 12-8. Tufts rebounded with two more points, but MIT pulled through. At game point, Sun passed to Hsiung who swung the disc across the field to Hsu. Volpacelli received the next pass and continued to advance the disc to Kathy Dobson, who looked to the end zone and passed to Christine Dobson laying out for the 13-10 win.

The MIT women's ultimate frisbee team is always looking for new players from all levels of experience. For practice times and game schedules, e-mail w-ult@mit.edu.

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Volleyball Upsets Springfield College

Volleyball, from Page 20

Almodovar '02 dished out 46 assists in the effort. Puerto Rico went on to win the tournament.

The Engineers would next have to face arch rival Springfield College, and would have to do so without the services of setter Almodovar who sprained her wrist late in the match against Puerto Rico. Schultze would be forced to take on the setter responsibilities while Jill Kaup '03 would take Shultze's normal position.

In the first two games, MIT could not quite get used to the new lineup, and MIT dropped them 2-15, 7-15. However, MIT would start to find their stride and were winning the third game, when one of Springfield's starters went down with an ankle injury. The Engineers would take advantage to take the next two games 15-12, 15-8 behind the inspired play of Amy Mok '02 who led the way with 14 kills and 16 digs.

The fifth game saw MIT constantly behind in the score and down 11-4 before mounting one of the best comebacks of the season to win the fifth game 17-15 and taking the match 3-2. This victory was a tremendous upset considering that Springfield was ranked #2 in the New England region.

Having spent themselves emotionally and physically against Springfield, MIT had little left to offer on the court against #4 ranked Brandeis University who took the match easily 3-0. However, MIT had prevailed against the odds and propelled themselves to a #8 ranking in the region. Overall, the entire team came together to turn what could have been a disastrous week-end into a triumphant one.

Kelly Martens was rewarded for her stellar play with a spot on the All-Tournament Team, and it was also great to see defensive specialist Linda Yu '02 contributing so much after missing out on last season with knee injury. MIT will host their quarterfinal match of the NEWMAC Conference Tournament this coming Tuesday (October 31st) at 7 p.m. in Du Pont Gymnasium.

Engineering

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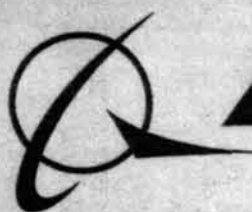
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SPORTS

Beavers Outduel Lancers for Second Win

Team Upsets NEFC Frontrunner Again

By Alvie Loreto
STAFF REPORTER

With last week's victory, their first of the season, seemingly leaving their heads in the clouds, the MIT football team played in a trance-like daze for the first half of Saturday's game against Worcester State.

By the final quarter, though, it was clear that the Beavers had become the dream catchers, and the Lancers found themselves trapped in a nightmare they couldn't awake from.

MIT rallied from a 6-0 halftime deficit to post a 16-6 home victory over WSC, shattering the title hopes of an NEFC frontrunner for the second straight week. The Lancers (5-2) came into the contest not only as the top ranked team in the NEFC Bogan Division but also as the fifth-ranked team in the New England Division



James C. Jorgensen '01 and a teammate take down Worcester State's tailback, preventing a successful Lancer drive. The Engineers defeated the Lancers 16-6.

III standings, and deservedly so, according to the game statistics.

They amassed 385 total yards to 164 for the Beavers (2-5), held possession of the ball for 36:29 out of the 60-minute game, and garnered 25 first downs to MIT's 9. However,

they fell short on the scoreboard due to a resilient MIT defense, a patient MIT offense, and lopsided dominance by the MIT kicking game.

Lancers strike to end first half

The Beavers dodged an early bul-

let when WSC kicker Mike Gennetti missed a 41-yard field goal attempt in the first quarter. The failed kick ended a 12-play, 50-yard drive in which the Lancers established a bal-

Football, Page 18

Rucking Beavers Defeat Lowell for Playoff Berth

By Samuel D. Mertens
TEAM MEMBER

Last Saturday, MIT's men's rugby team clinched a berth in the Division III New England Rugby playoffs, after a demonstrative 39-15 victory against the Lowell Highlanders. MIT had an exceptional first half, in which both backs and forwards played their most dominant game. The scrums

were forceful and props Eric Lynch G, Daniel Rodriguez G, Jim Nelson G and Trey Dean '00 played a great game.

The game started off well, when the hard tackling William Kreamer SM '99 forced a fumble, recovered by James Partridge G, whose chip-kick was caught by the storming David Stracher '88 for the try. The forwards kept the pressure

Rugby, Page 18

Women's Volleyball Finishes Sixth at Tourney

By Paul Dill
TEAM COACH

The women's volleyball team traveled to the Hall of Fame Tournament this past weekend where it finished 6th of 16 teams.

In their first match, the Engineers took on Gordon College in a must-win match to help maintain their current ranking. After a slow start in the first game, MIT took charge of the match shutting down Gordon's two big hitters and stifling their offense. MIT took the match 3-0 (15-10, 15-6, 16-14), giving it two victories out of three against Gordon this season. Kelly Martens '03 and Nydia Clayton '04 led the way with 12 kills each, while captains Barb Schultze '02 and Parisa Habibi '02 had 14 and 13 digs respectively.

In their next match, MIT took on a very strong Division II team, the University of Puerto Rico. They had returned to defend their title won in 1999, and although the Engineers fought valiantly, Puerto Rico prevailed 3-1 (15-6, 13-15, 15-10, 15-8). Martens and Clayton led the way again with 21 and 18 kills respectively, while setter Christina

Volleyball, Page 19

UPCOMING HOME EVENTS



Men's and Women's Cross Country:
10/28 - NEWMAC Championships,
Franklin Park.



Women's Volleyball vs. Babson
College, 10/28 - 1:00 p.m.



Sailing:
10/28-10/29, 9:30 a.m. - Schell Trophy

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