

SEVIS Fee Under Consideration

By Brian Keegan

The Department of Homeland Security is considering a new rule imposing a \$100 fee on international students before they may apply for a visa to come to the United States.

The purpose of the fee is "to cover the costs incurred by adminis-

tering and maintaining the SEVIS [Student Exchange and Visitor Information System] system and ensuring compliance by individuals, schools, and organizations with the system's requirements," according to the Oct. 27 issue of the *Federal Register*, the official U.S. publication for rules and federal notices.

SEVIS compiles information on

international students studying at American universities.

The initial funding to set up SEVIS and document all current international students was provided by the USA PATRIOT Act. The new fee is expected to raise \$30 million per year, according to The Associated Press.

Since all current international students were required to be registered in the SEVIS database by Aug. 1, 2003, only incoming international students would be required to pay the fee. The undergraduate class of 2008 and graduate students beginning study in February of 2004 would be the first to pay the fee.

The fee would apply to all persons applying for F-1, F-3, M-1, and M-3 student visas or for a J-1 visa as an exchange visitor. Students transferring between schools, requesting an extension of study, and dependents of fee-paying students would not be required to pay.

The rule is currently only a proposal, and there is still a 60-day public comment period ending December 26, 2003.

Fee may burden int'l students

Danielle Guichard-Ashbrook, director of the International Students Office, said that although her office is hardly surprised by the fee, she is concerned with how the approximately 100 undergraduate and 700 graduate international students arriving at MIT every year are going to be able to pay the fee.

The Graduate Students Office and International Students Office are not aware of any programs, initiative, or funds to assist students paying the fee.

The fee may be paid by "any procedure approved by DHS [Department of Homeland Security]

Housing Alternatives For DKE Considered

By Marissa Vogt

ASSOCIATE NEWS EDITOR

Several administrators are meeting this morning to discuss possible housing alternatives for members of the Delta Kappa Epsilon fraternity.

The meeting comes after DKE's appeal to the Interfraternity Council Judiciary Committee last Thursday. DKE was suspended two weeks ago, forcing the fraternity out of its house and prohibiting social events and participation in next year's Rush.

Director of Housing Karen A. Nilsson said the meeting will include Associate Dean for Student Life Programs Barbara A. Baker, Assistant Director for Undergraduate Housing Denise A. Vallay, and Associate Dean of Student Discipline Steven J. Tyrell.

"Now that they have appealed and a decision has apparently come out, we can develop a process" for handling the situation, Nilsson said. "There are so many factors and housing is only one of them. We haven't had a situation like this in a very long time."

Tyrell, IFC Judcomm Chair David B. Gottlieb G, DKE Media Liaison Tom Kilpatrick '05, and several members of DKE declined to

comment on the outcome of the appeal.

Tyrell said that he served as an "Institute observer" at the appeal, as mandated by the IFC Judcomm rules, and had no role in the decision-making process. He said that DKE has the IFC Judcomm's decision, but when asked to confirm that DKE lost last week's appeal, said there will be a "group that will be meeting to look at where the members will live" and spoke of a "roll-out plan for moving out of the house."

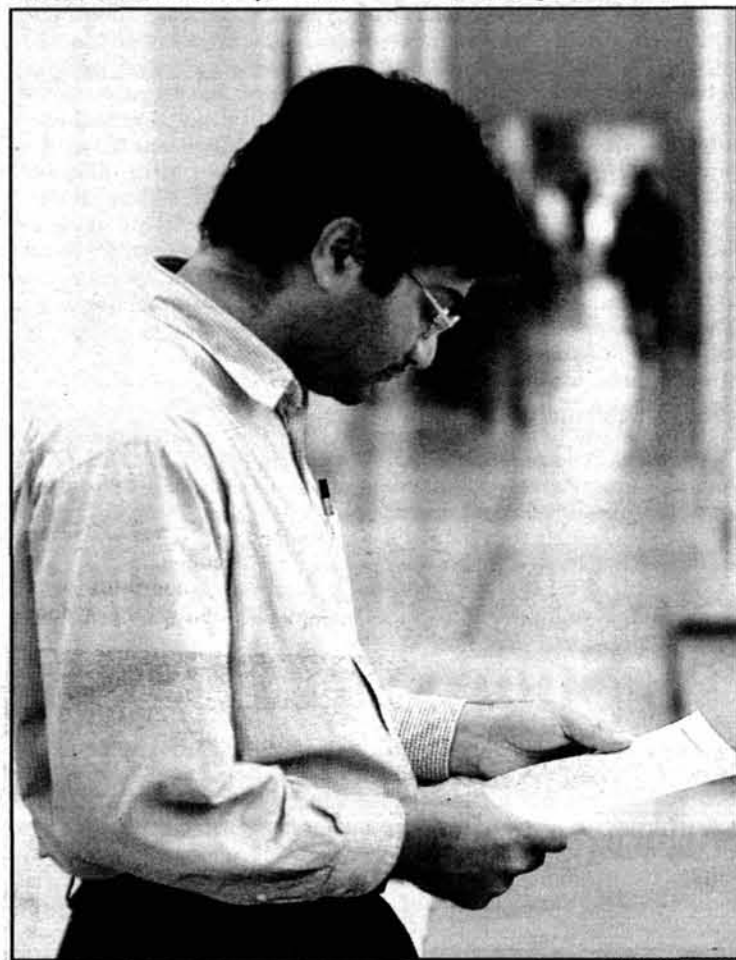
MIT DKE Alumni President Douglas E. Vincent '89 said to "make your own inferences" when asked to confirm that DKE lost the appeal.

Kilpatrick also refused to comment on what grounds DKE appealed the decision. IFC Judcomm rules say that a fraternity may appeal a decision based on new evidence, improper procedure during the hearing, or the severity of the decision.

Future home of DKE uncertain

Among the possible on-campus locations that DKE brothers might be able to inhabit are Senior House and East Campus. Senior House

DKE, Page 17



MARCUS DAHLEM

Anoop V. Rao G from India looks over his SEVIS documents outside the International Students Office. The Department of Homeland Security is considering plans to charge international students \$100 to cover costs associated with the SEVIS system.

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New Ring Unveiled By GSC

By Vanessa Nadal

The newly designed "Grad Rat" premiered last Thursday with its first new design in five years.

The graduate student class ring features new details, some reminiscent of the undergraduate ring and others more personalized for graduate students. It follows the standard three-part ring construction of the undergraduate brass rat, with a primary image on the front panel, called the bezel, and an image on each panel, or shank.

"Before [the rings] seemed pretty generic," said Laura Proctor G, but "the new design looks pretty cool."

Ring shank highlights degree

A major feature of the new ring is the "degree shank" that includes the

Grad Rat, Page 11

Judson R. Baron ScD '56

Retired MIT Professor of Aeronautics and Astronautics Judson R. Baron ScD '56 died of cardiac arrest on Oct. 6, according to *Tech Talk*. Baron, 79, was a leader in applying computer simulations to model fluid dynamics.

Baron, using the early Whirlwind computer, conducted a seminal study of the constraints heat and mass transfer enforce on the reentry of spacecraft.

After receiving his Doctorate of Science, Baron joined the MIT faculty in Course XVI in 1956 and later served as director for the Aerophysics Laboratory, *Tech Talk* reported.

"He was very dedicated to his work," said Eugene E. Covert ScD '58 in *The Boston Globe*. "He was an excellent teacher and researcher. I worked with him at MIT starting 52 years ago and I knew him as a valued faculty member, a strong adviser, and a great friend."

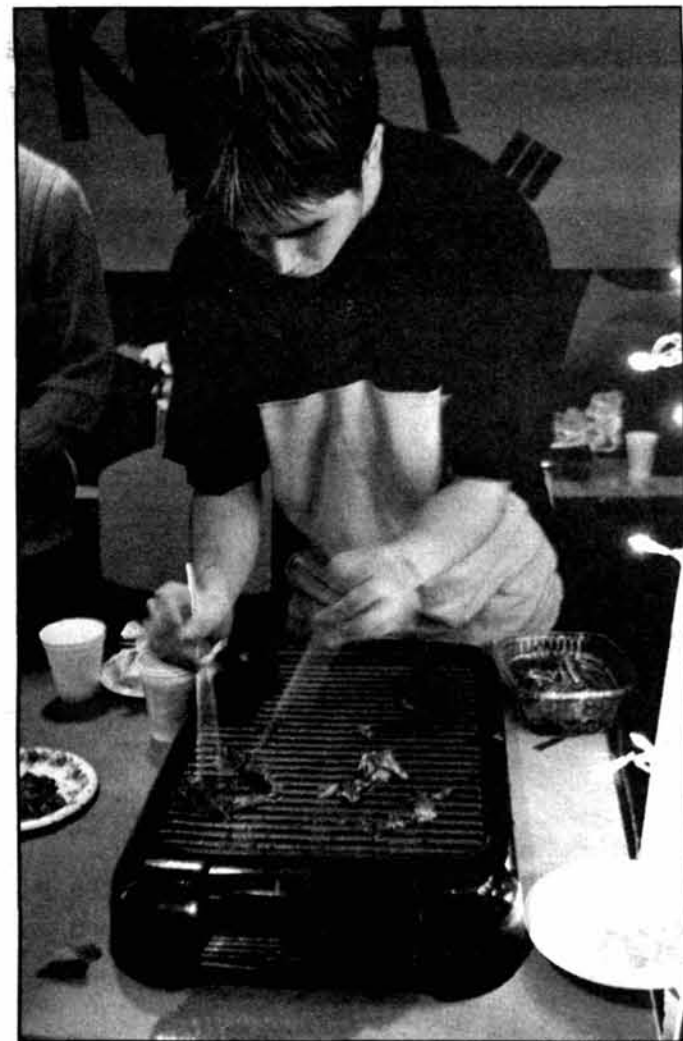
Baron, who retired in 1989, remained active and had this past year provided technical assistance to the Columbia Accident Investigation Board.

Born in Brooklyn in 1924 and raised in Queens, he served under the 80th Infantry Division of the Third Army during the Second World War and was awarded the Bronze Star for heroism in Germany on March 13, 1945.

He was also an associate editor of the *Journal of the American Institute of Aeronautics and Astronautics* and was an adviser to several government organizations. In 1988, he won the Air Force Exceptional Civilian Service Medal.

Professor Baron is survived by his wife of 54 years, two sons, and a granddaughter.

A memorial service was held on Oct 23.



JINA KIM—THE TECH

Hyon I. Lee '07 cooks bulgogi, a Korean beef dish, at the Korean Students' Association booth for Night Market, co-sponsored by the Chinese Students Club and the Association of Taiwanese Students, last Friday. Asian cultural clubs at MIT served free food and hosted games and craft-making booths at the first ever Night Market.



MITSO wows the crowd with Stravinsky.

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Comics

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SPORTS

Yong-yi Zhu praises the Marlins' Beckett for defeating the evil empire.

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WORLD & NATION

At Sniper Trial, a Replay of the Crime

THE NEW YORK TIMES

VIRGINIA BEACH, VA.

Opening a new phase in the Washington-area sniper trial, prosecutors on Monday began recreating the morning of Oct. 3, 2002, when four people were killed in suburban Maryland in less than three hours and the nation became aware that someone with a rifle was stalking random victims.

Describing the autopsy of Premkumar Walekar, a 54-year-old cabdriver who was shot at a gas station in Montgomery County that morning, the state's deputy chief medical examiner said Walekar had died from wounds caused by a single bullet fired by a high-powered rifle.

The authorities say they confiscated a high-powered Bushmaster rifle, a commercial version of the military's M-16 rifle, from the car of John A. Muhammad, the former soldier who has been accused of being the mastermind behind the shootings.

The medical examiner, Dr. Mary G. Ripple, described how the single shot shredded Walekar's left arm, disintegrated internal tissue and created a "lead snow storm" of fragments that left tears, scrapes and bruises along their path.

Bank of America to Buy Fleet, Creating Second Largest Bank

THE NEW YORK TIMES

Bank of America and FleetBoston Financial announced on Monday that they would combine to create a consumer banking giant with branches from Maine to California.

Bank of America, which is based in Charlotte, N.C., but has a strong California franchise, will pay an estimated \$48 billion in stock for FleetBoston's robust presence in the Northeast and for access to some of the wealthiest households in the country. Combined, the institution would be the nation's second-largest bank in assets and would control nearly 10 percent of the nation's deposits, the maximum that can be gained by acquisition. All told, it would have 5,700 branches in 29 states.

The announcement comes as Bank of America is being investigated for its role in a widening examination of improper trading in mutual fund shares. The bank recently fired several key executives, and one former broker faces criminal charges by the New York attorney general, Eliot Spitzer. The head of its asset management business with oversight of mutual funds was left without a job in the new organization.

Scientists Uncover Peacock's Colors

THE NEW YORK TIMES

Over the centuries, humanity has been so impressed by the splendor of the peacock's colors that this magnificent bird has variously been a symbol of divine beauty, endless love, paradise, purity, rebirth, and God's omniscience.

Now physicists in China have discovered the secret of the peacock's array of hues.

In a study published this month in *The Proceedings of the National Academy of Sciences*, researchers report that slight variations in the arrangement of keratin and melanin are responsible for the palette of colors found in the eye of a peacock's tail feather. Keratin is the material also found in human fingernails; melanin is the substance that darkens human skin.

"It's an ingenious and simple way to diversify colors," said Dr. Jian Zi, a physicist at Fudan University in Shanghai and lead author on the paper.

He began the study with colleagues after being struck by the sight of peacock feathers in a Chinese market. "I study optics," Zi said. "So when I looked at these peacock feathers against the sunshine, it was a fascinating experience. What can produce such diversified colors?"

34 Die in Iraq as Terrorists Bomb Red Cross, Iraq Police

By Dexter Filkins
THE NEW YORK TIMES

BAGHDAD, IRAQ

The morning that opened with the quiet air of a religious holiday was broken suddenly by the sound of a bomb.

And then another bomb, and another, and another still.

Of all the chaos and cacophony that gripped the scenes of the suicide attacks here on Monday, at the beginning of Ramadan, the eeriest sounds of all were the explosions in the distance.

One after another the suicide bombers struck, and only minutes apart.

First, there were two nearly simultaneous blasts at Iraqi police stations in the Baghdad neighborhoods of Dora and Baya. Only five minutes later, a man drove an ambulance packed with explosives to the headquarters of the Red Cross and set them off.

Then, only minutes after that, there were two more, each of the explosions audible from the center of town.

"There's been two more bombs," an Iraqi police officer quietly said to his colleagues, and they

knew from the sounds that he was right.

Car bombs had come before to Baghdad, big bombs that killed dozens, but never so many, and never like this.

The attack on the International Committee of the Red Cross unleashed the greatest carnage. Witnesses said a man in an ambulance had raced toward the building, his vehicle laden with explosives. The Red Cross, dedicated to helping Iraqi families make contact with Iraqi prisoners of war, was protected by little more than a line of barrels filled with sand.

Yet even as the ambulance sped forward, witnesses said another car, its driver sensing that something was amiss, had tried to cut the ambulance off. They raced until the last moment, and then the bomb went off.

"I thought it was the end," said Samir Hassan, 39, who had just pulled into the parking lot of an Oil Ministry branch office when the bomb exploded. "There was a huge explosion. My car was on fire."

Hassan escaped unharmed. The bomber himself seemed to have vaporized; all that remained was a

crater where his car had exploded and a scattering of metal shards. Behind the crater sat two cars, each blackened and burned. Inside each sat a charred corpse, each frozen at the moment of death.

U.S. investigators working the scene said they had counted 15 bodies, most belonging to people who lived in houses neighboring the Red Cross headquarters.

Two of the dead lay on the side of road, tangled in a pile of bricks and metal, their clothes burned from their bodies. Hunks of human flesh lay in piles here and there, the blood draining pink into the gutter. Part of a body sat stuck to a second-story wall of a building across the street.

In the horror of the moment, emotions tumbled forth. Hamid Khalaf, a 39-year-old security guard, said he suspected the bombs were set off by the supporters of Saddam Hussein, no friends of his. But it was another group he thought to blame.

"The Americans are the reason," Khalaf said, standing in the rubble. "The Americans thought they could liberate us, but we will not accept them. We are an Islamic people."

Remittances to Mexico Exceed Investment as Source of Income

By Ginger Thompson
THE NEW YORK TIMES

MEXICO CITY

Nearly one Mexican in five regularly gets money from relatives employed in the United States, making Mexico the largest repository of such remittances in the world, according to a poll sponsored by the Inter-American Development Bank.

The pollster, Sergio Bendixen, estimated that the payments help feed, house and educate at least a quarter of Mexico's 100 million people.

The poll was part of a report on Monday by the bank, which said money sent home by all Mexican immigrants would soar to \$14.5 billion this year, exceeding tourism and direct foreign investment to become this country's second most important source of income. Oil

remains No. 1.

Bendixen said the poll offered forceful evidence that remittances not only sustained this country's rural poor but had also become important to urban working-class households.

Roberto Suro, director of the Pew Hispanic Center, estimated that annual remittances to Mexico and Central America could reach \$25 billion by the end of the decade, a vast sum made of countless tiny payments by America's lowest paid workers.

"This is not necessarily something to celebrate," said Don Terry, manager of the Multilateral Investment Fund. "It means that the Mexican economy is not expanding, and so people have had to leave."

Indeed, in addition to showing a significant jump in remittances, the report opened a window onto the

shifts in illegal immigration to the United States since the Sept. 11 terrorist attacks.

In the wake of the attacks, the United States almost immediately dispatched more staff members and machinery to bolster law enforcement operations on its border with Mexico, and it was believed that the heightened security would discourage immigrants from illegal crossing.

With fewer immigrants heading north, experts on both sides of the border predicted, remittances to Latin America would sharply decline. And the shrinking American economy was expected to force immigrants out of work, leaving them less money to send home.

Those forecasts, according to the Inter-American Development Bank and immigration experts, have proved wrong.

WEATHER

Some Snow Statistics

By Vikram Khade
STAFF METEOROLOGIST

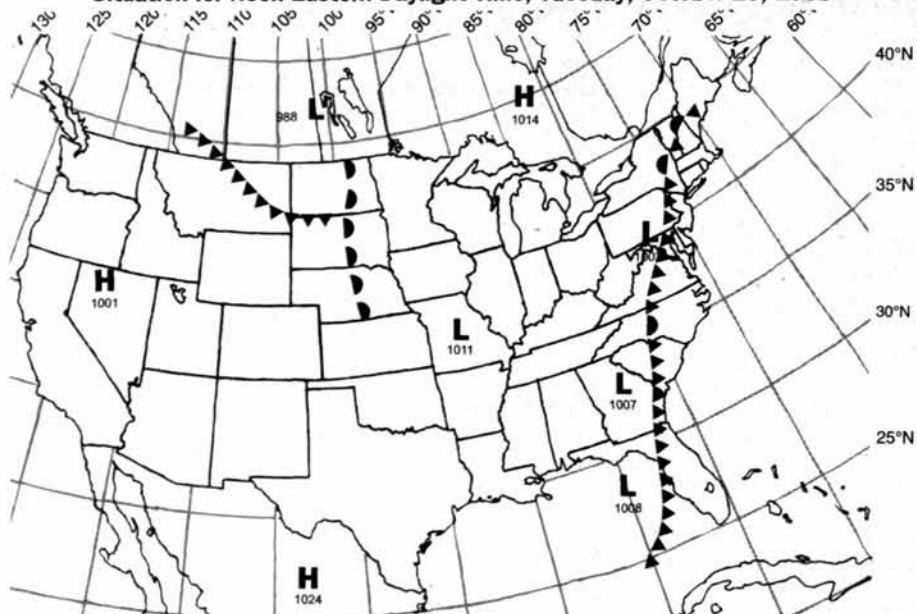
The overcast is expected to clear away early this morning as the low moves into the Canadian maritimes. Subsequently the cold front will push off the East Coast. A weak high pressure system is expected to build up in the Boston area. The clearing will be ephemeral as a weak low pressure system over the Great Lakes is expected to send some unsolicited disturbances towards Boston region. Today and tomorrow are expected to be cloudy, with chances of showers.

The 'snow history' of Boston, like any other thing about Boston, is interesting. Records since 1920 show that the earliest date of first snowfall (1" in a day) was Nov. 10, 1976 while the latest was Jan. 29, 1928. The mean date is Dec. 12. The earliest date for the last snowfall (1" in a day) was Nov. 24, 1936 and the latest was Apr. 28, 1987. The mean date is Mar. 20. The greatest seasonal snowfall was 107.6" in 1995-96 while the least was 8.2" in 1936-1937. The mean seasonal snowfall is 41.3". The most snow in 24 hours was recorded as 27" on Feb. 17-18, 2003. The average snow per month happens to be 12.8" for Feb. and 12" for Jan. The snowstorm climatology (1952 to 1992) for Boston shows that the average number of snowstorms (resulting in at least 1" snow) per season is 10.33, out of which six have resulted in snow in the range of 1" to 2.9".

Extended Forecast

Today: Partly sunny later in the day. Highs near 60°F (15°C).
Today night: Partly cloudy until 3 a.m., becoming more cloudy thereafter. Lows around 47°F (8°C).
Tomorrow: Cloudy and breezy. Highs around 62°F (16°C).
Tomorrow night: Partly cloudy. Lows around 45°F (7°C).
Thursday: Partly cloudy, high around 62°F (16°C).

Situation for Noon Eastern Daylight Time, Tuesday, October 28, 2003



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	--- Through	Snow *	Fog
L Low Pressure	--- Warm Front	Light *	Thunderstorm
§ Hurricane	▲▲▲ Cold Front	Moderate **	Haze
	--- Stationary Front	Heavy ***	
			Compiled by MIT Meteorology Staff and The Tech

Medicare Negotiators Struggle, Show Concern About Premiums

By Robert Pear
THE NEW YORK TIMES

WASHINGTON

House and Senate negotiators, struggling to complete work on a giant Medicare bill, expressed concern on Monday about new data suggesting that premiums would vary widely, even within states.

Lawmakers have agreed on the basic structure of drug benefits to be offered to 40 million elderly and disabled people under Medicare. But they have been unable to agree on sweeping changes in the structure of Medicare, which would require the program to compete directly with private health plans.

House Republicans say such competition would save money and give beneficiaries more choices. But Democrats say the proposal would undermine traditional Medicare.

A provision of the bill passed by the House in June could eventually limit the federal contribution to both private plans and traditional

Medicare, requiring beneficiaries to pay any costs that exceed the federal contribution. The limit, or cap, would be set locally, depending in part on the premiums charged by private plans in the area.

Premiums in traditional Medicare are now uniform — \$58.70 a month — and the Congressional Budget Office estimates that they will rise to \$112 by 2013.

Estimates from the Department of Health and Human Services, now circulating on Capitol Hill, show that monthly premiums for the elderly could differ widely under provisions of the House bill.

Asked if he was concerned about the expected variation, Sen. Max Baucus, D-Mont., said, "Very much so, absolutely."

Baucus, one of two Democrats participating in talks on the Medicare bill, said: "There would be variations, huge variations, between parts of the country, and variation within regions. That's a huge problem."

Under the bill, price competition

would begin in 2010. The estimates from the Department of Health and Human Services show that by 2013, elderly people would be paying \$58 a month in parts of North Carolina and Oregon, \$67 in Springfield, Mo., and \$75 in Tucson. But monthly premiums would be about \$155 in Baton Rouge, La., \$158 in Las Vegas and \$190 in Baltimore.

Within states, the premiums could range from \$83 a month in upstate New York to \$165 in New York City. In Florida, premiums could range from \$105 a month in Orlando and Jacksonville, to \$165 in Miami.

Sen. Charles E. Grassley, R-Iowa, the leader of the Senate delegation to the talks, said the variation in premiums was "one of the impediments to getting something done" to promote competition between traditional Medicare and private plans.

Congress has budgeted \$400 billion over 10 years for the Medicare legislation, a top priority for President Bush and members of both parties.

U.S. Intelligence Believes Suicide Bombers Are "Foreign Fighters"

By Raymond Bonner
and Joel Brinkley
THE NEW YORK TIMES

BAGHDAD, IRAQ

The coordinated suicide bombings carried out here Monday morning were the work of "foreign fighters," Brig. Gen. Mark Hertling, deputy commander of the 1st Armored Division, said a few hours after the attacks.

This assertion stood in stark contrast to a statement less than 24 hours earlier by Brig. Gen. Martin E. Dempsey, the division commander. At a news conference here Sunday evening, he said he had not seen "any infusion of foreign fighters in Baghdad."

The conflicting statements in such a short space of time reflect the state of the intelligence-gathering here. No issue has proved as confounding over the past six months as that of the identity of insurgents against the American presence in Iraq and the degree of coordination between them.

Hertling told reporters that the belief that the latest attacks were the work of foreign fighters was based on the nature of the attacks and "intelligence indicators." He declined to elaborate.

Bush administration officials

have estimated that the number of foreign fighters in Iraq is between 1,000 to 3,000, and Defense Department officials said that estimate has not changed in recent weeks. But civilian and military officials here say they doubt there are anywhere near that number.

Maj. Gen. Raymond T. Odierno, commander of the Army's 4th Infantry Division, said, "A very, very small percentage of foreign fighters" was responsible for the suicide bombings and other attacks on American forces.

Odierno, in a video conference call with reporters from his headquarters in Tikrit on Monday, said he believed 95 percent of the attacks are being carried by "former regime loyalists."

"What I found," he added, "is Iraqis do not like people from other countries fooling in Iraqi business. They don't like Iranians here, they don't like Syrians, they really like their own people being involved in this."

Intelligence comes from various sources. The Iraqi police and American soldiers have rounded up scores of suspected terrorists, including supposed members of al-Qaida, and suspected members of Ansar al-Islam, a militant group that

had its base in northern Iraq and is allegedly linked to al-Qaida. They have also jailed former soldiers who remain loyal to Saddam Hussein.

Every day, American officials say, Iraqi civilians have been providing intelligence that has led to arrests and the seizure of arms caches. Several attacks, including suicide bombings, have been thwarted because of this intelligence, American officials have said.

At the same time, however, several officers said the Americans are relying too much on sophisticated intelligence-gathering devices, and not enough on human intelligence.

Still, Western military and intelligence officials say they do know that three distinct groups are carrying out the attacks here.

On Sunday, Brig. Gen. Martin E. Dempsey, commander of the 1st Armored Division, whose responsibility is the security of Baghdad, said, "We've got some diagrams that lay that out in pretty good detail."

From the beginning, the officials said, former loyal members of Hussein's government — roundly despised by nearly all Iraqis — have been carrying out attacks that were planned, at least in concept, even before the Americans arrived in Baghdad.

Scientists Begin Studying Aftereffects Of Suicide on Families and Survivors

By Erica Goode
THE NEW YORK TIMES

More than 29,000 Americans kill themselves every year. Each death forcibly derails the lives of parents and children, partners and siblings, hurtling them into unfamiliar and sometimes perilous territory. But the study of suicide has for the most part been devoted to those who choose to end their lives, not to the survivors, those left behind. Only recently have researchers begun to investigate, in a systematic fashion, the effects of a death from suicide on family members.

"Survivors were always seen as a source of information about suicides, but few studies looked into the problems that survivors were having," said Dr. Herbert Hendin, the medical director of the American Foundation for Suicide Prevention, which joined with the National Institute of Mental Health in May in convening experts to assess the state of research on suicide survivors, the first meeting of its kind. The report from the conference

was released in late September.

Studies suggest that the psychological legacy of a suicide may differ from that of other deaths.

"Suicide flies in the face of people's beliefs about how life is and how it operates," said Dr. John Jordan, the author of a 2001 review of research on suicide survivors and the director of the Family Loss Project, a group based near Boston that conducts research and offers treatment to the bereaved.

"Survivors spend a great deal of time trying to figure things out," Jordan said. "What was the person's frame of mind? How could they have done this? Who is responsible for it? What does it mean?"

Some people pass through a normal grief process and heal quickly, but studies suggest that suicide survivors often experience more guilt, rejection, shame, and isolation than those who grieve other deaths. If they have spent years dealing with a relative bent on an escalating course of self-destruction, they may also

feel relief.

Some studies have found that family members bereaved by suicide feel worse about themselves and are viewed more negatively by others. In a 1993 study, wives who had lost their husbands to suicide were seen as more psychologically disturbed, less likable and more blameworthy than wives whose husbands had died from heart attacks or in accidents.

Suicide survivors themselves have an elevated risk of suicide, and according to some studies are more vulnerable to depression, a risk factor for suicide. In a 1996 study, Dr. David A. Brent, a child and adolescent psychiatrist at the University of Pittsburgh, and his colleagues found higher levels of depression in the siblings of adolescent suicide victims six months after the death, and in the mothers of the victims one year afterward, compared with a control group. At three years, the siblings were no more depressed than a control group, but the mothers were still having difficulty.

Acquisition Creates Nation's Largest Health Insurer

THE NEW YORK TIMES

In a marriage of Blue Cross giants, Anthem Inc. agreed on Monday to buy WellPoint Health Networks for \$16.4 billion in stock and cash, creating a company that would be the nation's largest health insurer, with 26 million health plan members in 13 states.

Anthem and WellPoint were pioneers in converting Blue Cross plans into for-profit companies, but lately had encountered resistance from state authorities who argued that such deals led to higher costs and thinner insurance coverage. Together, the companies account for more than 30 percent of the 84 million Blue Cross and Blue Shield members nationwide.

The combined company, to be called WellPoint Inc. and with headquarters in Indianapolis, would overtake UnitedHealth Group in size. On Monday UnitedHealth announced an expansion of its own, agreeing to buy Mid Atlantic Medical Services for \$2.95 billion, also in cash and stock. That deal will add 2 million members on the East Coast to UnitedHealth's 18.3 million total.

The Anthem-WellPoint combination will go head-to-head with United to win the business of big national employers, analysts said. The combined company will also pursue small businesses and uninsured people by offering lower-cost policies that shift a bigger share of the growing tab for health care to patients, analysts said.

Researchers Build a Case For Earthworm's Slimy Reputation

THE NEW YORK TIMES

No one would argue that earthworms are cute. But to most people, they are benign and helpful creatures — fertilizers of the garden, aerators of the soil, indispensable fishing companions. "Earthworms are truly nature's little farmers," goes one common view, this one on the Web site of Agriculture and Agri-Food Canada, "plowing the soil and fertilizing at the same time!"

But for a growing body of researchers, the traditional view of earthworms is giving way to a much more ominous one. Most earthworms common in the United States are exotic intruders from Europe, Asia, or South America, these scientists point out.

Their research suggests that earthworms become voracious and destructive when they invade forests, often in ever-widening circles around ponds — where for decades fishermen have been dumping unused worms in the mistaken belief that they help the ecosystem.

Now, scientists are mounting a counterattack. At the end of this week, two dozen biologists from the United States, Puerto Rico, Canada, and Russia will gather in Athens, Ga., to outline the earthworm problem and propose solutions. They expect to plan papers for presentation next summer at an international conference on soil zoology in Rouen, France, and they hope to sound a warning for soil researchers.

In Desperate Effort, Crews Fight Fire With Fire

THE NEW YORK TIMES

LOS ANGELES

With fires racing uncontrollably across much of Southern California, firefighters on the northwestern edge of Los Angeles staged a desperate attempt on Monday to defend the city and the coastal community of Malibu from the deadly rush of flames.

After spending much of the day in sweltering heat trying to push back the so-called Simi Valley fire into the canyons north of here, worried firefighters abruptly changed course and decided to fight fire with fire.

"If we lose, we will see you at the beach in about three days," said Battalion Chief Anthony C. Marrone of the Los Angeles County Fire Department. "If it gets past us here, it has a clear path to Malibu."

Marrone's firefighters were trying to stop one of the three largest wildfires that have consumed vast parts of Southern California since Thursday, destroying more than 1,100 homes and killing at least 13 people. Although all of the major fires continued to burn out of control, cooler temperatures and lighter winds had slowed the relentless spread of the flames in some places.

But in this corner of the city the winds were too unpredictable, the hillsides too crisp and the canyons too treacherous for the scores of firefighters from as far away as Sacramento to the keep the flames from advancing within a mile of Chatsworth, Porter Ranch and West Hills, some of the city's northernmost communities.

Commerce Secretary Set to Talk Tough on Trade to China

THE NEW YORK TIMES

WASHINGTON

Commerce Secretary Donald L. Evans plans to give China its toughest warning so far that the administration is growing impatient with Beijing's refusal to fully open its markets to U.S. goods and services.

Evans will deliver that message in a speech in Beijing on Tuesday, ratcheting up pressure that has been steadily building since September by a parade of top administration visitors, according to an advance copy of the speech.

In a blunt critique, Evans will accuse China of failing to keep the promises it made when it joined the World Trade Organization. They included reforming its markets, lowering its trade barriers and ridding itself of protectionism by the government and by its industries.

"China is moving far too slowly in its transition to an open, market-based economy," Evans will say in the speech. "We have been patient, but our patience is wearing thin."

Frustration over the weak economy and joblessness has focused increasingly on China and has become a campaign issue for Republicans and Democrats alike.

The United States imports five times more than it exports to China, leading to a trade deficit that could reach \$130 billion this year.

Evans will warn of this growing tide of resentment toward China, repeatedly saying "we are already seeing signs of rising protectionist sentiments."

OPINION

The Tech
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BEATIE

"This is the kind of journalist President Bush wants to cover the Iraq occupation."

Letters To The Editor

Big Fuss Over Loux's Choice

To the Editor:

There is not enough space on a page to address every problem with Brian Loux's Oct. 21st column "Big Fuss Over Little's Choice in 7th Game," so I will highlight as few as possible while satisfying my need to speak out on something I read that made me angry.

The first thing Loux did wrong was to compare the Red Sox with the Baltimore Orioles in terms of World Series droughts. The Orioles won the World Series in 1983, and the Red Sox last won it in 1918. There is no comparison.

Next, Loux tried to absolve Grady Little by saying that he was only trusting Pedro when he told Little he wasn't tiring in the 8th inning. Of course, as the ace of the pitching staff, Pedro has an ego, and he would never admit, "I can't do this." It is a skilled manager's job to take this into account and determine for himself his pitcher's status. Little should have seen the facts staring at him in the face: Pedro had thrown well over 100 pitches and Mike Timlin was rested, ready, and nearly perfect in the post-season.

Loux claimed that there was a deeper problem that faced the Red Sox this year. Guess what? The two problems were the bullpen and Grady Little. The bullpen got its act together in

October. Grady Little did not. Throughout the season, he would do specific things that made little to no sense (pitcher changes, pinch runners, lineups, etc.) at the time they occurred. In particular, he sent 3 runners into strike-out, throw-'em-out double plays against the Yankees in this year's ALCS. Little was out-managed consistently this year, and his bone-headed decisions cost the Red Sox several games, possibly enough to have won the division.

Disparaging the fan attitude in Boston is uncalled for. The article claimed that Sox fans are always compelled to find a single scapegoat in order to move on as opposed to blaming the team or their opponent. This weak generalization relied on just a few notable examples, Babe Ruth notwithstanding. The article then stated that the fans' attitude is "such that if maybe they lost it all, it wouldn't be all that surprising." Implying that Sox fans expect to lose every year is insulting. To the contrary, we might be the most hopeful, enthusiastic, and optimistic of all sports fans.

The Red Sox had the pennant all but wrapped up, and Grady Little gave it away. He made bad judgments this year, and his most recent one was the worst of all. Brian Loux was either not watching the Red Sox closely this year, or wasn't watching at all. His article was nothing more than a sequence of puzzling and uninformed arguments. If he wants to make his "way back to Camden Yards," that's just fine

with me and many other actual, loyal Red Sox fans.

Andrew M. Lee '07

Freedom of Speech?

To the Editor:

While Nadeem Mazen "clearly has a right to free speech and free expression, I contend that there is a more subtle agreement on college campuses that supercedes these freedoms" ["What Lies Beneath the Flag Controversy", Oct. 24]. While Mr. Mazen's distortions and misrepresentations of Israeli policy might be appropriate in certain campus publications, such offensive remarks were not appropriate for *The Tech*.

Mr. Mazen's fear of "being labeled an anti-Semite," despite the fact that "as an Arab, [he is] a Semite," merits being addressed. After all, what claim could be more logical than to say that an Arab, by definition, cannot be bigoted against Jews? Why, this is as logical as saying that no Jew could ever be bigoted against an Arab. This is so obvious, it should not even be necessary for an Arab to mention that some of his best friends are Jewish.

What is sadly not obvious, however, is that Mr. Mazen has "developed an understanding and appreciation for" freedom of speech, which by definition must include speech that offends Mr. Mazen.

Richard Kraus G

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, opinion editors, and a photography editor.

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

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should 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, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become

property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

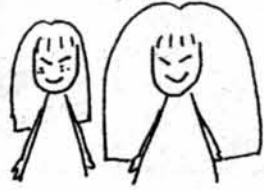

The Tech's Ombudsman, reachable by e-mail at ombudsman@the-tech.mit.edu, serves as the liaison between *The Tech* and its readers. From time to time, the Ombudsman writes an independent column reflecting the complaints, questions, and concerns of the readership.

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 whom to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. Please send press releases, requests for coverage, and information about errors that call for correction to news@the-tech.mit.edu. Letters to the editor should be sent to letters@the-tech.mit.edu. *The Tech* can be found on the World Wide Web at <http://the-tech.mit.edu>.

Hay Fever

by Qian Wang + Jennifer Peng

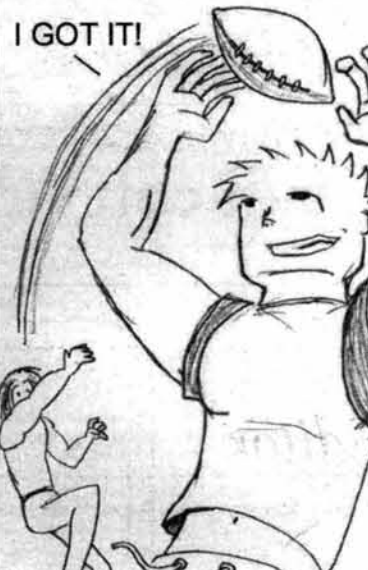



<p>Frequently asked questions + comments</p> <p>If Qian doesn't draw the comic, what does she do?</p>	<p>Qian and Jen come up with the comic.</p> 	<p>Jen draws it or else...</p> 
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10-27-03





-JPeng

TRIO rickxykes@aol.com

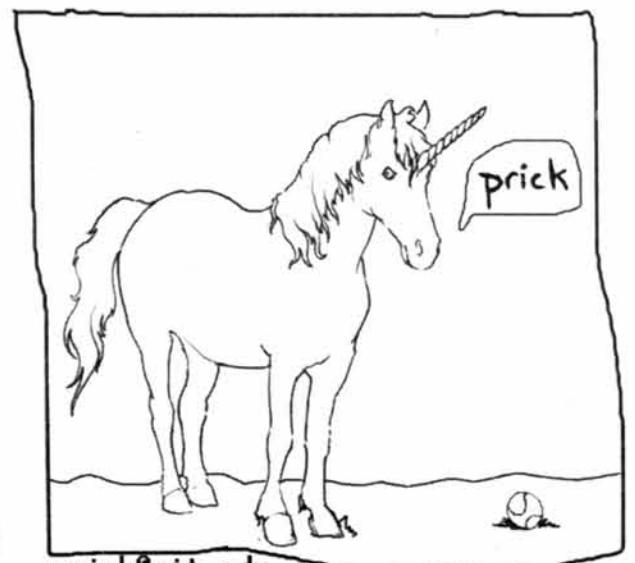
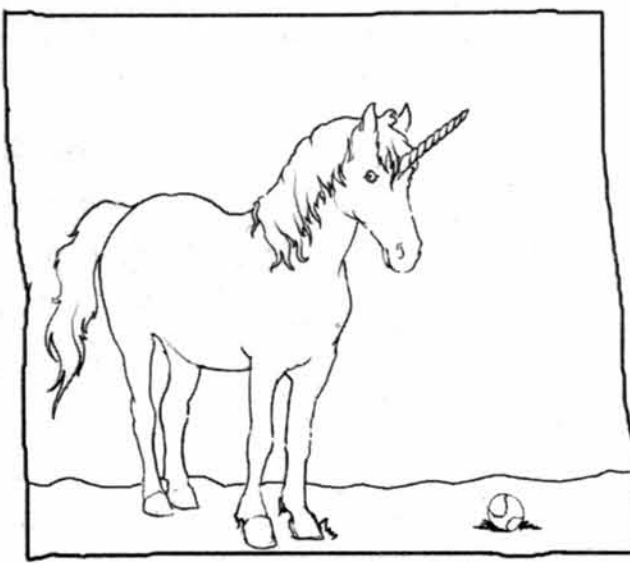
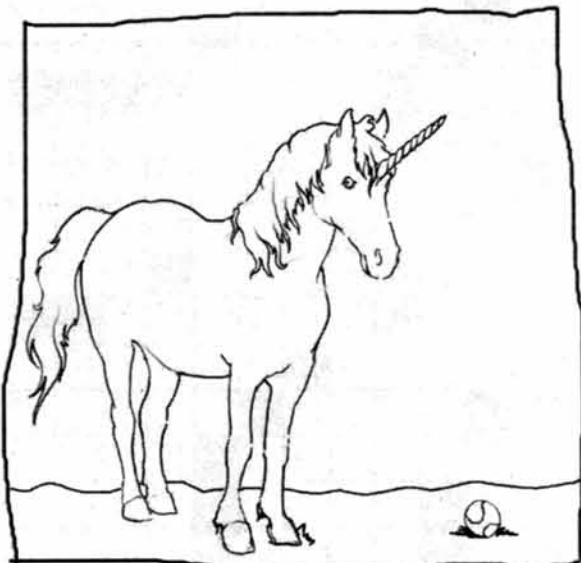
members.aol.com/rickxykes/trio/welcome.html

<p>I GOT IT!</p> 	<p>WHUMP</p> 	<p>INTERRUPTION!</p> 	<p>Interception...</p> <p>WHO'S YO' MOMMY? WHO'S YO' MOMMY??</p> 
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My Dog, the Dog, and a Healthy Dose of Nihilism (Recap)

 <p>I'm so depressed porn doesn't do it for me anymore, I mean I know it'll never happen to me.</p>	 <p>I'm so depressed that I'm drinking... and smoking, but I'm still sober.</p>	 <p>I'm so depressed I think I'm going to write comics for the tech.</p>	 <p>TANTONTAAH</p>
--	--	---	---

By: SERGI R. NUNO



prick@mit.edu

Vengeance for Zuljin!
THAT'S RIGHT! SUGGIT!



©Rick Chapman, ESPN



PILED HIGHER AND DEEPER



"WELCOME BACK. OUR TOP STORY TONIGHT: DOES GRAD SCHOOL ACTUALLY MAKE YOU DUMBER? WE GO TO LIVE TEAM COVERAGE. ROCK PHILIP IS LIVE AT A LOCAL UNIVERSITY..."



"ROCK, WHAT'S THE SITUATION THERE? IS THERE PANIC? CONFUSION?"

"WELL, JOHN, THERE'S NOTHING REALLY GOING ON RIGHT NOW, BUT EARLIER TODAY, WE QUESTIONED ONE OF THE VICTIMS, A GRAD STUDENT NAMED CECILIA..."



"WHAT WAS YOUR REACTION TO THE NEWS TODAY?"

"HUH? I HAVE NO IDEA WHAT YOU'RE TALKING ABOUT..."

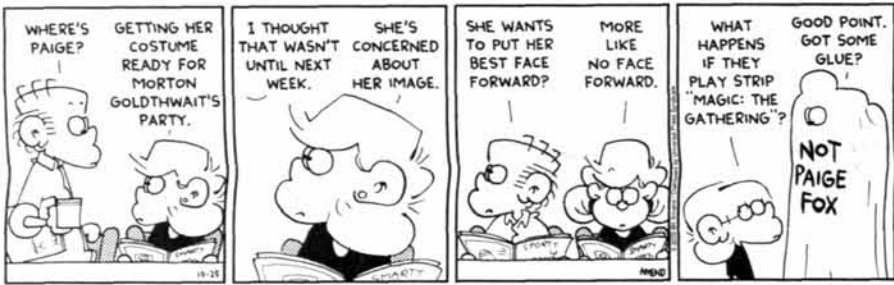


"JOHN, AS YOU CAN SEE, THE VICTIMS CAN'T EVEN TELL WHAT IS HAPPENING TO THEM."

"GOOD GOLLY, THEN IT'S TRUE!"
"HOW TRAGIC!"

www.phdcomics.com JORGE CHAM © 2003

FoxTrot by Bill Amend



Dilbert® by Scott Adams



Crossword Puzzle

Solution, page 19

ACROSS

- 1 ___ Raton, FL
- 5 Science rooms
- 9 Lacking originality
- 14 Aphrodite's boy
- 15 Winglike parts
- 16 Go along with
- 17 Talk wildly
- 18 Confused
- 20 Surmise
- 22 Mennen after-shave
- 23 "___ and the King"
- 24 Greek markets
- 26 Bausch's lens-making partner
- 28 Destroyed
- 30 Angel of the first order
- 35 Writer Rand
- 37 Divided avenue: abbr.
- 38 ___ prosequi
- 39 Confused
- 41 Confused

DOWN

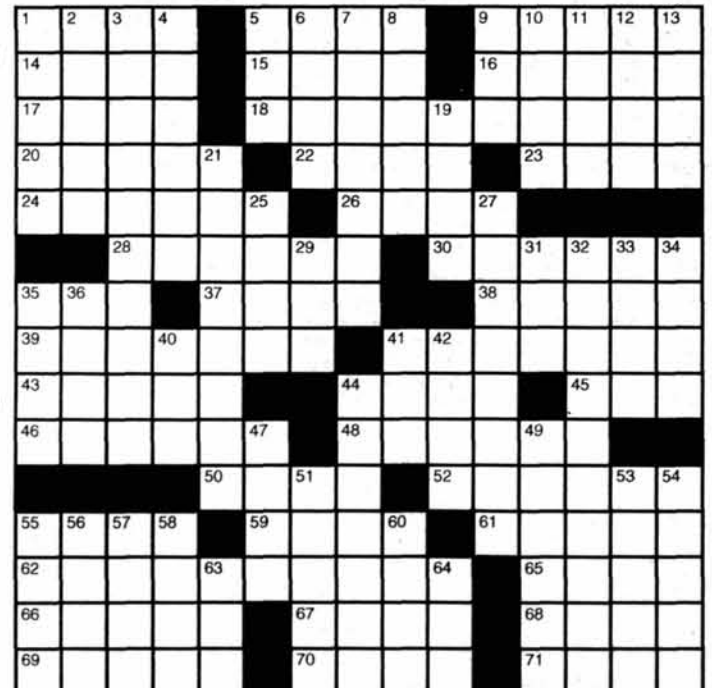
- 43 Fountain of three coins
- 44 Manila machete
- 45 Merry month
- 46 Short section of track
- 48 Verdi opera
- 50 Garland's real last name
- 52 Loss of coordination
- 55 Creative flash
- 59 Actor Julia
- 61 Levels
- 62 Confused
- 65 Duchin or Nelson
- 66 Gander's mate
- 67 Astin of "The Lord of the Rings"
- 68 Enticement
- 69 Composer of "Over the Rainbow"
- 70 Writer Ferber
- 71 Roasting rod

DOWN

- 1 Cohort of Stalin
- 2 Large ape, briefly
- 3 Confused
- 4 Aft
- 5 Thai's neighbor
- 6 ___-Romeo
- 7 Confused
- 8 Heated dispute
- 9 Thar ___ blows!
- 10 Big band instrument
- 11 Ending word
- 12 Advance
- 13 Ms. Bombeck
- 19 Bad thespians
- 21 Digressive
- 25 Markdown event
- 27 Ester used in perfumery
- 29 Movie on a PC
- 31 Peri on "Frasier"
- 32 Confused
- 33 Entreaty
- 34 Lamarr of "Algiers"

DOWN

- 35 Qtys.
- 36 Cosmonaut Gagarin
- 40 Half of MXII
- 41 ___ favor, senior
- 42 Forearm bone
- 44 Confused
- 47 Spiritual guide
- 49 Belly buttons
- 51 Billiards stroke
- 53 Arboreal lemur
- 54 So far
- 55 Actress Swenson
- 56 Way out
- 57 Hydroxyl compound
- 58 Polygonal projection
- 60 Be inclined?
- 63 Sportscaster Berman
- 64 O.J. trial letters



Events Calendar

Visit and add events to Events Calendar online at <http://events.mit.edu>

Tuesday, October 28

8:00 a.m. - 6:00 p.m. - Materials Day. Beyond Serendipity: Medical Issues as Materials Research Opportunities. Morning workshop with a variety of speakers; afternoon poster session showing the work of grad students, UROPs, and postdocs in all areas of materials research. Free. Room: Kresge Auditorium. Sponsor: Materials Processing Center. Industrial Liaison Program, Center for Biomedical Engineering.

10:00 a.m. - Admissions Information Session. Admissions Office Information Session gathers at the Admissions Reception Center (10-100). Groups over 15 people need to make special reservations. Free. Room: Admissions Reception Center. Sponsor: Information Center.

10:00 a.m. - 11:00 a.m. - MIT/WHOI Joint Program Coffee-Donut-Bagel Hour. An opportunity for MIT and WHOI based students to interact on the days when Joint Program classes are held in Woods Hole, Tuesdays and Thursdays throughout the semester. Room: Woods Hole Oceanographic Institution Student Center, 3rd Floor, Clark Laboratory South. Sponsor: WHOI Student Organization. GSC, EGSAC.

10:00 a.m. - 4:00 p.m. - MIT Furniture Exchange Open House. The MIT Student Furniture Exchange is hosting a Fall Open House. We welcome you to stop by and enjoy some refreshments. We are open to all affiliated with the Institute, but you must bring your university ID to make a purchase. If you have never had the opportunity to stop by and browse, you don't know what you've been missing! Free. Room: WW15, 350 Brookline Street. Sponsor: MIT Women's League.

10:45 a.m. - Campus Tour. Student-led campus tours are approximately 90 minutes long and provide a general overview of the main campus. Please note that campus tours do not visit laboratories, living groups or buildings under construction. Groups over 15 people need to make special reservations. Campus tours start at the conclusion of the Admissions Information Session. Free. Room: Lobby 7. Sponsor: Information Center.

12:00 p.m. - 1:00 p.m. - Modern Optics and Spectroscopy. Free and refreshments will be served. Room: 34-401. Sponsor: Spectroscopy Laboratory.

12:00 p.m. - 2:00 p.m. - Mellon-MIT Grantee Presentations on Refugees in Sierra Leone. Dr. Rosalind Shaw will present her research project, "Memory Wars: Ex-combatants and the Work of the Truth and Reconciliation Commission in Sierra Leone," and Shelby Carpenter of Boston University will present hers on "Ritual and Remembering: Sierra Leonean Refugee Youth." Bag lunch provided with RSVP. Free. Room: E38-615. Sponsor: Center for International Studies. The Mellon-MIT Program on NGOs and Forced Migration.

12:00 p.m. - Cog Lunch. Refrigerator magnet synthesis. Room: NE20-461. Sponsor: Brain and Cognitive Sciences.

2:00 p.m. - Admissions Information Session. Free. Room: Admissions Reception Center. Sponsor: Information Center.

2:00 p.m. - 4:00 p.m. - Project Review. As before, the purpose of these sessions is to give an overview of the some of the project work, its current status, and to invite questions or discussion. We believe that, even in these crunch times, sessions like this can help keep our staff informed about the breadth of project activities and work underway across MIT. Free. Room: N42 Demo Center. Sponsor: InfoSys.

2:30 p.m. - 3:30 p.m. - Dynamics of The Ancient Carbon Cycle. Free. Room: Building 2, Room 2-338. Sponsor: Physical Mathematics Seminar.

2:45 p.m. - Campus Tour. Free. Room: Lobby 7. Sponsor: Information Center.

3:00 p.m. - Varsity Women's Soccer vs. WPI. Free. Room: Steinbrenner Stadium.

3:00 p.m. - 4:00 p.m. - MIT Tea Time - Culture Exchange - English Chinese Class. Our free English class is good for new comers to get start their English conversations in a very friendly environment. It is also good for people who have interest in learning the American culture, American life style, etc. Lots of interesting topics and discussions will be a good start for your English learning. Feel free to come and have wonderful discussions with our native English-speaking teachers. Refreshment will be served. Free. Room: 5-134. Sponsor: Chinese Student and Scholar Association, GSC Funding Board, MIT CSSA & GSC.

3:30 p.m. - 5:00 p.m. - MTL VLSI Seminar Series. The Next Generation MEMS Design and Process Combining SOI and CMOS (SOIMEMS). Free. Room: 50 Vassar St., 34-101. Sponsor: MTL VLSI Seminar.

4:00 p.m. - 5:00 p.m. - Nuclear Physics Seminar. Nuclear Physics and Lattice QCD. Free. Room: Center for Theoretical Physics. Sponsor: Laboratory for Nuclear Science.

4:00 p.m. - MechSeminar: Computational Failure Mechanics. Free. Room: 1-350. Sponsor: CEE, Geomechanics and Geomaterials.

4:00 p.m. - MIT Astrophysics Colloquium: David Charbonneau. Extrasolar Planets: The Power of the Dark Side. Free. Room: Marlar Lounge, 37-252. Sponsor: Astrophysics.

4:15 p.m. - 5:30 p.m. - GTL Seminar Series. Combustion Systems for Micro-Scale Gas Turbine Engines. Free. Room: 31-161. Sponsor: Gas Turbine Laboratory, AeroAstro.

4:15 p.m. - 5:30 p.m. - GTL Seminar Series. Combustion Systems for Micro-Scale Gas Turbine Engines. Free. Room: 31-161. Sponsor: Gas Turbine Laboratory.

4:30 p.m. - Emile Bustani Middle East Seminar. The Palestinian Right of Return: Refugees and the Road Map. Free. Room: E51-095. Sponsor: Center for International Studies.

4:30 p.m. - 9:00 p.m. - Rainbow Lounge Open. MIT's resource lounge for lesbian, bisexual, gay, transgendered, and questioning members of the community offers a place to hang out, various activities, and a lending library during its open hours. Free. Room: 50-306. Sponsor: lbg@mit.

4:30 p.m. - 6:00 p.m. - Geography: Will It Absolve Cuba? Sahin Lecture. Lecture by Professor Luiz Martinez-Fernandez, Chair, Dept. of Puerto Rican and Hispanic Caribbean Studies, Rutgers University. Free. Room: Room 2-105. Sponsor: History Office.

5:00 p.m. - 6:30 p.m. - Interviewing for International Students. Are you interested in communicating to employers all the talent that you have already acquired? This workshop will support you in achieving your career goals. You will have the opportunity to enhance your interviewing skills and learn strategies to help you overcome language and cultural barriers. All workshops require pre-registration. Register for workshops at <http://web.mit.edu/career/www/services/workshops.html> and choose Calendar of Workshops. Free. Sponsor: Career Services Office.

5:30 p.m. - 7:30 p.m. - Business Schools, the Doctoral Degree, and Business Academia. What is the PhD and why should you do it? A PhD is designed for individuals wishing to pursue an academic career. Doctorally trained individuals are essential to assuring the rigors of business education and research in academics, and right now the prospect for PhD graduates is excellent! Top business schools - Chicago, Columbia, Harvard, Kellogg, MIT, NYU, Stanford, and Wharton will offer an exciting presentation on Business Schools, the PhD, and Business Academia. Free. Room: Spangle Auditorium, Harvard Business School. Sponsor: Career Services Office.

5:30 p.m. - 7:00 p.m. - Resource Wars: The New Landscape of Global Conflict. A discussion of resource allocation and distribution in light of recent global events, particularly in the Middle East. Free. Room: E51-149. Sponsor: The Technology and Culture Forum at MIT.

6:00 p.m. - 7:00 p.m. - the mit e-club weekly tuesday meeting, the regular weekly tuesday meeting of the mit entrepreneurs club, aka: the e-club, an mit service organization, where students, faculty, staff and all alum gather to pitch, hear, criticize, and discuss their new science and technology start-up ideas, network, build 50k or independent founders' teams, and more. Free. Room: 56-114. Sponsor: Entrepreneurs Club.

6:00 p.m. - 9:00 p.m. - Boston AppleScript User Group. Meeting of the Boston AppleScript User Group. Free. Room: E51-372. Sponsor: MIT User Groups.

6:00 p.m. - 7:00 p.m. - Tuesday Evening Toastmasters @ MIT: Weekly Club Meeting. At Toastmasters, members learn by speaking to groups and working with others in a supportive environment. Typical meeting consists of: Prepared Speech session (2-3 members present speeches based on projects from the Toastmasters International Communication and Leadership Program manuals), Table Topics session (Members present 1-to-2-minute impromptu speeches on assigned topics), and Evaluation session (Every prepared speaker is assigned an evaluator who points out speech strengths and offers suggestions for improvement). Guests are welcome. Free. Room: 2-147. Sponsor: Tuesday Evening Toastmasters @ MIT.

6:30 p.m. - Floralis Generica: An Homage to Pietro Belluschi. 11th Pietro Belluschi Lecture by Eduardo Catalano, architect, Professor emeritus, MIT. Free. Room: 10-250. Sponsor: Department of Architecture.

7:00 p.m. - 9:00 p.m. - Origami Paper Folding - Chessboard & Set. From sea-life to colorful, geometric structures for shows, we fold it all. Come fold paper with us at our bi-monthly, low-key origami sessions. Often one of our more advanced members begins with a short talk about folding theory/research or presents an original model. Our membership consists of many beginners as well as some nationally recognized folders. Want to fold those angelfish to hang from your ceiling, learn how to fold that tiny foil unicorn for your roommate's gift, or fold something huge as a team? This is the place to make it happen. Bring your favorite origami books and come see ours. Confront your fears - a therapeutic way to get your mind completely off your day for an hour with fun people who will teach you anything you need to know. Free. Room: E-233. Sponsor: Origami.

7:00 p.m. - 9:00 p.m. - Boston PDA User Group. Meeting of the Boston PDA User Group (BOSPADAUG). Free. Room: 3-133. Sponsor: MIT User Groups.

7:00 p.m. - Varsity Women's Volleyball vs. Wellesley. Free. Room: Rockwell Cage.

7:00 p.m. - 9:00 p.m. - Historical Aspects of the Nobel Prizes. How to Win the Nobel Prize: A Short Introduction. Free. Room: E51-275. Sponsor: STS.

8:00 p.m. - 10:30 p.m. - Contra Dance for All. Halloween Party Optional costume contest with prizes. Dance with a partner (we'll provide) and a group to jazzy live music. All dances taught; all skill levels welcome. Contra Dance is a traditional American form of folk dancing, directed by a caller and accompanied by exciting live music. Light refreshments are served at the break halfway through. MIT students free; other students \$3; non-students \$5. Room: Morriss Hall, Walker Memorial. Sponsor: Folk Dance Club. Music for Robin.

8:00 p.m. - Student Pugwash Movie Series. Issues of science, technology and society as explored through film fiction. Free. Room: Room 4-237. Sponsor: MIT Student Pugwash.

8:00 p.m. - 10:00 p.m. - 28th October Celebration. We will celebrate our national holiday with screening of a movie and some light food. Free. Room: 4-370. Sponsor: Hel-

lenic Students' Association, GSC Funding Board.

8:00 p.m. - 10:00 p.m. - GSC/S-P Arts Class series. Arts class for all levels. Drawing and painting. See Web site for more information and registration details. Five dollars. Room: Sidney-Pacific Graduate Residence. Sponsor: Sidney-Pacific House Council, GSC Activities. ARCADE.

9:00 p.m. - 11:00 p.m. - LIVEmusic@theEAR: The Green Vent. Free. Room: The Thirsty Ear Pub. Sponsor: The Thirsty Ear Pub.

Wednesday, October 29

12:00 a.m. - Visiting Committee for Whitaker College/HST Program. Biennial meeting of the Corporation Visiting Committee for Whitaker College and the Harvard/MIT Program in Health Sciences and Technology. Room: Grier Room 34-401. Sponsor: Corporation Office.

9:30 a.m. - 10:30 p.m. - MacroMedia Contribute Demo. Come check out Contribute from MacroMedia! It allows anyone to update, add, and publish web content without knowing html or a complicated web publishing application. Sponsored by the MacPartners user group. Free. Room: N42 Demo Center. Sponsor: Information Systems, MIT User Groups.

10:00 a.m. - Admissions Information Session. Free. Room: Admissions Reception Center. Sponsor: Information Center.

10:45 a.m. - Campus Tour. Free. Room: Lobby 7. Sponsor: Information Center.

11:00 a.m. - 12:00 p.m. - Optics & Quantum Electronics Seminar. Narrowband Two-Photon Entangled State and Its Applications. Free. Room: RLE Conference Room, 36-428. Sponsor: Optics.

11:30 a.m. - 1:00 p.m. - From technological excellence to economic growth: innovation as the core of French economic policy. Francis Mer is the former Chairman of Usinor-Sacilor, France's major steel group. M. Mer has also been Chairman of the Fédération Française de l'Acier [French Steel Federation] and Chairman of Eurofer (European steel manufacturers' association). The lecture will be chaired by Thomas Magnanti, Dean of the School of Engineering. Free. Room: E51-345 - Sloan School of Management. Sponsor: Center for International Studies, MIT France Program.

11:30 a.m. - 1:00 p.m. - Sustainable Development Seminar Series: Sustainable Agriculture. Jack Kittredge runs the Many Hands Organic Farm in Barre, MA, he is active in the Northeast Organic Farming Association (NOFA: a 7-state, 4000-family organization), and serves as the editor for The Natural Farmer - NOFA's quarterly journal. He will compare and contrast organic techniques with conventional ones, discuss the market for organic food, the realities of growing in the Northeast, and some of the issues facing the organic movement as it grows and becomes more mainstream. Free. Room: 6-321, The Moore Room. Sponsor: Students for Global Sustainability, MIT Student Pugwash, Design that Matters, Engineers Without Frontiers, Large Event Funding.

12:00 p.m. - 1:30 p.m. - Self Assessment: Finding a Place to Start. Get an introduction to some concepts to help you think about your future career decisions; see some techniques for career decision-making, and receive a framework for understanding your needs, wants, values, skills and priorities. All workshops require pre-registration. Register for workshops at <http://web.mit.edu/career/www/services/workshops.html> and choose Calendar of Workshops. Free. Sponsor: Career Services Office.

12:00 p.m. - 1:30 p.m. - TPSS Career Panel - Energy Spotlight. The Technology and Policy Student Society is sponsoring a career panel on October 29th. Learn what opportunities exist for students interested in technology and policy in the energy field. Representatives from Tabors Caramanis and Associates, Synapse Energy Economics, and Cambridge Energy Research Associates will be attending. Free. Room: E51-145. Sponsor: Technology Policy Student Society.

12:00 p.m. - 1:30 p.m. - The Molecular Chemistry of Renewable Energy. The greatest challenge facing our global future is energy currency. Within our lifetimes, energy consumption will increase by at least two-fold. This enormous increase gives rise to many misconceptions of what energy source will fuel our future. This talk will discuss these misconceptions and then address fundamental science that needs to be undertaken at the molecular level to meet the global future's energy needs. Free. Room: E40-496. Sponsor: Laboratory for Energy and the Environment.

12:30 p.m. - 1:30 p.m. - PLC Toastmasters Meeting. Gain confidence as a public speaker and have fun at the same time! Free. Room: W89-305. Sponsor: Toastmasters, MIT Organization and Employee Development, Human Resources.

2:00 p.m. - Admissions Information Session. Free. Room: Admissions Reception Center. Sponsor: Information Center.

2:00 p.m. - 3:00 p.m. - String Theory Seminar. Chiral Gauged Six-Dimensional Supergravity: From String theory to Four Dimensions. Free. Room: Center for Theoretical Physics. Sponsor: Laboratory for Nuclear Science.

2:30 p.m. - Varsity Men's Soccer vs. UMass-Boston. Free. Room: Steinbrenner Stadium.

2:45 p.m. - Campus Tour. Free. Room: Lobby 7. Sponsor: Information Center.

3:00 p.m. - 4:30 p.m. - Critical Challenges for the United States: The Fast War and Slow Peace. Free. Room: E38-615. Sponsor: Center for International Studies, Security Studies Program.

3:00 p.m. - 5:00 p.m. - spouses&partners@mit weekly meeting: Abdominal and Back Fitness. Wondering what to do with those softening abdominal muscles and aching backs? Join Katrina, a rehab-fitness professional, on the floor to learn just what exercises will help and which exercises to avoid. Begin your own abdominal and back strengthening program and discover how easy it can be! No equipment necessary. Wear comfortable, easy to move in clothing. Meet in the Eastgate Penthouse, 60 Wadsworth Street. Childcare provided. Free. Room: Eastgate Penthouse. Sponsor: spouses&partners@mit, MIT Medical.

4:00 p.m. - 5:00 p.m. - LBGT Issues Group Meeting. The Issues Group is a committee of faculty, staff, and students committed to ensuring that LBGT individuals are welcomed and affirmed by MIT and its community. Free. Room: Rainbow Lounge (50-306). Sponsor: lbg@mit.

4:00 p.m. - 5:00 p.m. - MVL and ICEL Seminar. The Russian history on development of fly-by wire systems. Free. Room: 37-212. Sponsor: AeroAstro.

4:00 p.m. - 5:00 p.m. - HPCES Seminar. Solving Practical Multi-Item Lot-Sizing Problems by Mixed Integer Programming. Free. Room: MIT Rm 4-237. Sponsor: Singapore-MIT Alliance/HPCES.

4:00 p.m. - Environmental Chemistry and Biology Seminar. Amazonian Deforestation: Climatic Impacts. Free. Room: NE20-285 (3 Cambridge Center). Sponsor: Civil and Environmental Engineering.

4:15 p.m. - 5:15 p.m. - On Distance Transitive Graphs. Refreshments beforehand. Free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.

5:10 p.m. - 6:15 p.m. - Worship Service (Holy Communion). All students, staff and faculty are welcome at our weekly worship service. Free. Room: MIT Chapel. Sponsor: Lutheran-Episcopal Ministry.

6:00 p.m. - 8:00 p.m. - Graduate Christian Fellowship Bible Study. Come join us for Bible study, prayer, and fellowship! We are currently studying the book of Acts. Free. Room: 66-369. Sponsor: Graduate Christian Fellowship, GSC Funding Board.

6:00 p.m. - 8:00 p.m. - Wednesday Night Dinner. Weekly dinner. Share a meal with a friend. For McCormick residents and friends on the guest list. \$6.50. Sponsor: McCormick Hall.

6:00 p.m. - 8:00 p.m. - Sustainable Development Mixer. Social mixer for groups and individuals interested in sustainable development. Keynote speech by Prof. David Marks, Director of Laboratory for Energy and the Environment. Free. Room: E25-119. Sponsor: Students for Global Sustainability, GSC Funding Board.

7:00 p.m. - 8:00 p.m. - Bible Study. Weekly Bible study held by the Baptist Student Fellowship. Free. Sponsor: Baptist Student Fellowship, Baptist Campus Ministry.

7:00 p.m. - 10:00 p.m. - TMRK Build Time. These are our normal meeting times, when we build the layout! Free. Room: N52-118. Sponsor: Tech Model Railroad Club (TMRK).

7:00 p.m. - 9:00 p.m. - MIT \$50K Competition - Teambuilding. Biotech / Infotech. Free. Room: to be announced. Sponsor: MIT \$50K Entrepreneurship Competition.

7:30 p.m. - 8:45 p.m. - Swing Dancing Lesson. Intermediate/Advanced Swing. Free. Room: 2nd floor student center. Sponsor: Lindy Hop Society.

7:45 p.m. - 9:40 p.m. - Advances in Drug Delivery and Tissue Engineering. The Singapore-MIT Alliance and the MIT Industrial Liaison Program present: Robert S. Langer, Kenneth J. Gerneshausen Professor of Chemical and Biomedical Engineering. This seminar will be delivered live from MIT to NUS and NTU in Singapore. Free. Room: Building 3, Room 370. Sponsor: Singapore-MIT Alliance, Office of Corporate Relations/ILP.

8:00 p.m. - 11:00 p.m. - Israeli Folk Dancing (participatory). Israeli Folk Dancing Early Teaching at 8 p.m. followed by teaching and requests until 11 p.m. Beginners are always welcome. Family dancing usually occurs from 7-8 p.m. each week. Great for kids of all ages! To confirm family dancing for a given week, and for up-to-date announcements about each week's dance, see our Yahoo Group. Free for MIT students; donations welcome. Room: Lobby 13. Sponsor: Folk Dance Club.

8:00 p.m. - 10:00 p.m. - Weekly Wednesdays. Free wings and an assortment of vegetables, sponsored by various departments, residences and affinity groups, are provided in the Muddy Charles Pub for graduate students to enjoy while catching up with friends and making new ones. Free. Room: The Muddy Charles Pub. Sponsor: GSC Activities.

8:00 p.m. - 10:00 p.m. - IFILM Film Seminar. Screening of a movie followed by a discussion. Light refreshments provided. More information (including movie titles) on our web site. Free. Room: 4-237. Sponsor: International Film Club, GSC Funding Board.

8:30 p.m. - Parents (1989) and The People Under the Stairs (1991). HTC Film Series. Parents (1989) Directed by Bob Balaban 81 min. The People Under the Stairs (1991) Directed by Wes Craven 102 min. Free. Room: 3-133. Sponsor: History, Theory and Criticism of Architecture and Art.

8:45 p.m. - 11:30 p.m. - Swing Dancing. Beginners welcome, no partner necessary. Free. Room: Student Center 2nd floor. Sponsor: Lindy Hop Society, GSC Funding Board.

Thursday, October 30

12:00 a.m. - Visiting Committee for Whitaker College/HST Program. Room: Grier Room 34-401. Sponsor: Corporation Office.

8:30 a.m. - 12:30 p.m. - HR Partners Forum. The Forum will include a keynote presentation by the foremost expert in organization learning, Dr. Peter Senge, a Senior Lecturer at MIT's Sloan School of Management. This keynote speaker will be followed by a presentation and discussion about sexual harassment in the workplace by MIT's Human Resources Department and Senior Counsel's Office, and the Boston law firm of Ropes & Gray. By the end of the event, you will know what sexual harassment is, what it is not, and what steps you should take when you see it or learn about it. This forum is open to members of HR Partners, managers, supervisors, and people who do HR work at MIT. To register, go to: <http://training.mit.edu/tr/courseid=12250>. Free. Room: W20-202. Sponsor: MIT Organization and Employee Development, Human Resources.

10:00 a.m. - 11:00 a.m. - MIT/WHOI Joint Program Coffee-Donut-Bagel Hour. Room: Woods Hole Oceanographic Institution Student Center, 3rd Floor, Clark Laboratory South. Sponsor: WHOI Student Organization. GSC, EGSAC.

10:00 a.m. - 4:00 p.m. - MIT Furniture Exchange Open House. The MIT Student Furniture Exchange is hosting a Fall Open House. We welcome you to stop by and enjoy some refreshments. We are open to all affiliated with the Institute, but you must bring your university ID to make a purchase. If you have never had the opportunity to stop by and browse, you don't know what you've been missing! Free. Room: WW15, 350 Brookline Street. Sponsor: MIT Women's League.

10:00 a.m. - Admissions Information Session. Free. Room: Admissions Reception Center. Sponsor: Information Center.

10:45 a.m. - Campus Tour. Free. Room: Lobby 7. Sponsor: Information Center.

12:00 p.m. - MIT Chapel Concert: John Tyson, recorders. Miyuki Tsurutani and others. "Il Flauto Italiano" - Italian virtuoso Recorder Music of the Renaissance and Early Baroque. Free. Room: MIT Chapel. Sponsor: Music and Theater Arts Section.

12:00 p.m. - 1:00 p.m. - English / Bible Class. You are welcome to attend this free Bible class led by Barbara Beevers of Baptist Campus Ministry. International spouses are welcome especially, but open to all. Come practice English, ask questions and make friends. Free. Room: W11 Board Room. Sponsor: Baptist Campus Ministry.

12:00 p.m. - 1:00 p.m. - Buddy Brown Bag Noontime Series (WGSSI). What MIT Ombuds Office Hears Most From Support Staff. Free. Room: 1-214. Sponsor: Working Group on Support Staff Issues. Task Group: Support Staff Peer Resources.

1:00 p.m. - 7:00 p.m. - Rainbow Lounge Open. Free. Room: 50-306. Sponsor: lbg@mit.

1:00 p.m. - 3:00 p.m. - Free Conversational English Class. International students, scholars and spouses are welcome to attend a free conversational English class. Come exchange culture, learn about American culture and holidays and make lasting friends. Free. Room: W11 Board Room. Sponsor: Baptist Campus Ministry.

1:00 p.m. - 2:00 p.m. - Weight Watchers at Work! Free. Room: 8-219. Sponsor: Weight Watchers.

1:30 p.m. - 3:00 p.m. - UNIX User Group. Inaugural meeting of the UNIX user group. Come meet other UNIX users and learn about UNIX support offerings on campus. Free. Room: N42 Demo Center. Sponsor: Information Systems, MIT User Groups.

2:00 p.m. - Admissions Information Session. Free. Room: Admissions Reception Center. Sponsor: Information Center.

2:45 p.m. - Campus Tour. Free. Room: Lobby 7. Sponsor: Information Center.

4:00 p.m. - 5:00 p.m. - Ronald F. Probst Lecture Series in Engineering Science. Every year a distinguished figure in the field is invited to give a lecture on any topic they would like. This year Professor Israelchvili will speak on "Equilibrium and Non-Equilibrium Mechanisms of Liquid-Liquid Coalescence and Detachment at the Nanoscale." Refreshments will be served out in the lobby following the lecture. Free. Room: 34-101. Sponsor: Mechanical Engineering Dept.

4:00 p.m. - 5:00 p.m. - Man-Vehicle Laboratory Seminar. Space Human Factors at NASA and the National Space Biomedical Research Institute. Free. Room: Marlar Lounge, 37-252. Sponsor: AeroAstro.

4:15 p.m. - 5:15 p.m. - Scheduling According to the Shortest Remaining Processing Time (SRPT) Rule. Operations Research Center Fall Seminar Series. Seminar reception immediately following in the Philip M. Morse Reading Room, E40-106. Free. Room: E40-298. Sponsor: Operations Research Center.

4:15 p.m. - 5:30 p.m. - Physics Colloquium: Superstring Theory: Past, Present, and Future. The Physics community is invited to enjoy light refreshments in the Physics Common Room prior to the lecture at 3:45pm. Free. Room: 10-250. Sponsor: Physics Department, Society of Physics Students.

5:00 p.m. - 7:00 p.m. - MIT Communications Forum: Are National Television Systems Obsolete? Emerging digital and satellite technologies are transforming the world's experience of television. News and information channels such as CNN and al-Jazeera reach audiences across national and regional boundaries. These developments are complicated and fortified by entertainment formats, movies and forms of popular music in particular, that also aim for global audiences. This forum will address these and related questions bearing on the past and future impact of television in local, national and global communities. Free. Room: 4-237. Sponsor: Communications Forum.

5:00 p.m. - 7:00 p.m. - Weapons of Mass Confusion: Assessing the True Risks. A panel discussion on the nature of WMD and their true risks. This is the 13th Annual J. Herbert Hollomon Memorial Symposium. Free. Room: 3-270. Sponsor: The Technology and Culture Forum at MIT.

5:00 p.m. - Harvard/MIT PChemistry Seminar John Fenn: Electro Spray Wings for Molecular Elephants. Electro Spray Wings for Molecular Elephants. Professor John Fenn, Virginia Commonwealth University. Student input is needed! MIT is considering different ways to address the legal and ethical challenges and opportunities created by the peer-to-peer file sharing systems (e.g., KaZaA). There are important technological approaches currently on the table that may directly address these issues, but they will only work if they are interesting to students. Input from students is critical. Join MIT LeaderShape alumni and staff and faculty participants in the Leader to Leader program in a discussion of these issues. An overview presentation on the issues of about 30-40 minutes will be followed by an opportunity for dialogue and feedback (45-50 minutes). Free. Room: Media Room, Zesiger Center. Sponsor: MIT LeaderShape.

5:00 p.m. - 6:30 p.m. - Trade, Resource Inequalities, and Human Rights. Program on Human Rights and Justice Summer Intern Speaker Series. Free. Room: E-38-615, 292 Main Street. Sponsor: Center for International Studies, Program on Human Rights & Justice.

5:30 p.m. - 7:00 p.m. - Weekly Grad Student Bible Study for Absolute Beginners. Weekly informal Bible study for grad students; refreshments provided; light welcome. Free. Room: W11-007. Sponsor: Lutheran-Episcopal Ministry.

5:30 p.m. - 7:00 p.m. - Case Western Reserve University School of Dentistry Presentation. Come learn about the curriculum, specific aspects of the dentistry program at CWRU, and have your questions answered. Free. Room: 2-132. Sponsor: Career Services Office.

6:00 p.m. - 8:00 p.m. - Michael Lytton, General Manager, Oxford Bioscience Partners. Reinvesting in Biotech. Location: Sloan's Tang Center Room 315. Free. Sponsor: MIT Entrepreneurship Center. MIT Sloan BioPharma Business Club.

6:00 p.m. - Photography and 1930s Mexican Nationalism: Lola Alvarez Bravo in El Maestro Rural. HTC Forum. Free. Room: 3-133. Sponsor: History, Theory and Criticism of Architecture and Art.

6:00 p.m. - 8:00 p.m. - iCampus Student Info Session. Informational meeting and presentations for students submitting grant proposals to iCampus, the MIT-Microsoft educational alliance. Free. Room: NE43-518. Sponsor: iCampus, Microsoft.

7:00 p.m. - 9:00 p.m. - Graduate Christian Fellowship Bible Study. Free. Room: NW86-560. Sponsor: Graduate Christian Fellowship, GSC Funding Board.

7:00 p.m. - George Hart: Mathematical Sculpture. George Hart PhD '87, sculptor, mathematician, engineer, researcher, writer, computer scientist and educator, is artist-in-residence Oct 29-Nov 4. Free. Room: Rm 6-120. Sponsor: EECS. Office of the Arts, Special Programs.

7:00 p.m. - Unprecedented! The 2000 Election and the Undermining of American Democracy. In this documentary about Election 2000, the film-makers set themselves two goals: (1) to light a fire under Democrats' feet so that they organize & vote and (2) to make Republicans take an honest look at their own party's actions. Subjective? You bet. Ambitious? Sure - but we'll screen the film, then join the film-makers for a discussion of Election 2004. Free. Room: MIT Room 66-110. Sponsor: MIT Western Hemisphere Project.

7:00 p.m. - 9:00 p.m. - Discussion on Caribbean Issues. Join us as we discuss issues affecting the Caribbean and Caribbeans everywhere. Part of the Annual Caribbean Weekend. Free. Room: 1-135. Sponsor: Caribbean Club.

7:30 p.m. - 9:30 p.m. - Chess Club Meeting. A prominent player of the club will talk about some ideas in the opening. Then it will be designated time for play! Free. Room: Student Center, PDR 1&2. Sponsor: Chess Club.

8:00 p.m. - 10:00 p.m. - IFILM Film Seminar. Light refreshments provided. Free. Room: 4-237. Sponsor: International Film Club, GSC Funding Board.

8:00 p.m. - Antigone. Jean Anouilh's play, directed by Elizabeth Jochum. \$8, \$6 MIT/Wellesley students. Room: Kresge Little Theater. Sponsor: Shakespeare Ensemble.

8:30 p.m. - 10:00 p.m. - Underwater Hockey. The MIT SCUBA Club invites all to participate in Underwater Hockey. Underwater Hockey is an exciting co-ed sport played at the bottom of a pool with a short stick and a lead puck. Free. Room: zpool. Sponsor: Scuba Club, GSC Funding Board. Scuba Club, Undergraduate Association.

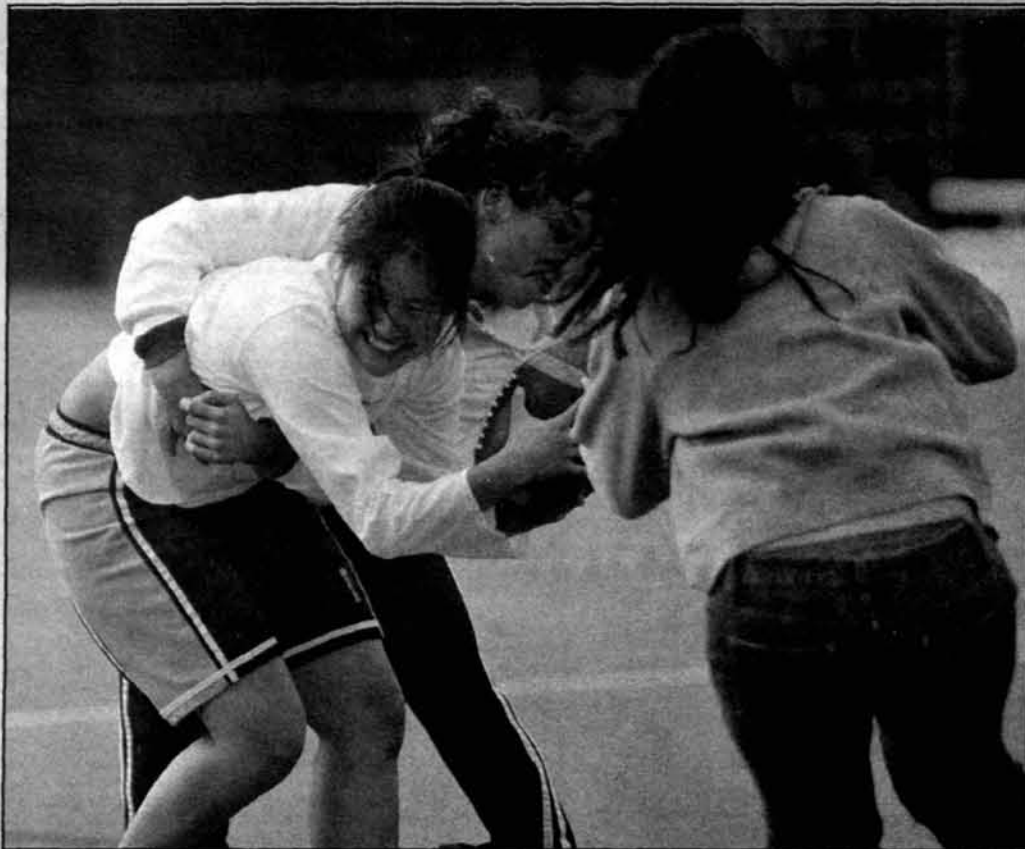
9:00 p.m. - 10:00 p.m. - Coffee Hour. Food and drink - an Ashdown tradition. Free. Room: Hulsizer Room. Sponsor: Ashdown House.

10:00 p.m. - 11:59 p.m. - Movie Night. Movie and food - free for all! Free. Room: Big TV Room. Sponsor: Ashdown House.

11:59 p.m. - Campus Disc Golf. Do you like tossing a disc? Do you enjoy friendly competition? Or if you're just up for midnight antics, then come on out! Meet outside the Student Center on the front steps, and don't forget to bring a disc! Don't hesitate to come, newcomers are always welcome. We meet every Thursday at midnight. Questions, contact Daniel Turek, maggycv@mit.edu. Bring your own disc! Room: Student Center steps. Sponsor: Campus Disc Golf.

Panhel Powder Puff

Sorority Members Gather for Fun Football Rivalry



Clockwise from above:

Bella C. Liang '06 is tackled by Nayeli A. Dault '04.

Dault throws the ball downfield.

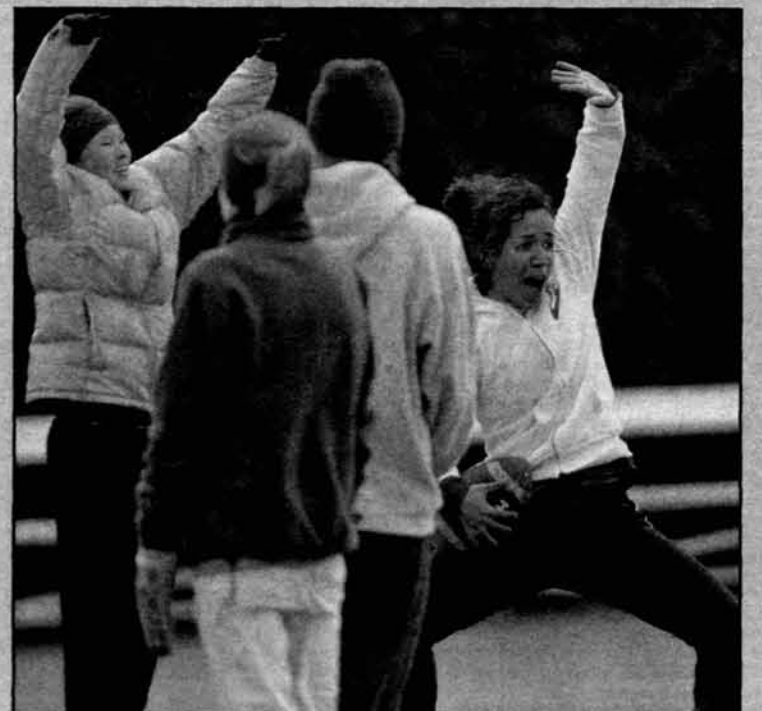
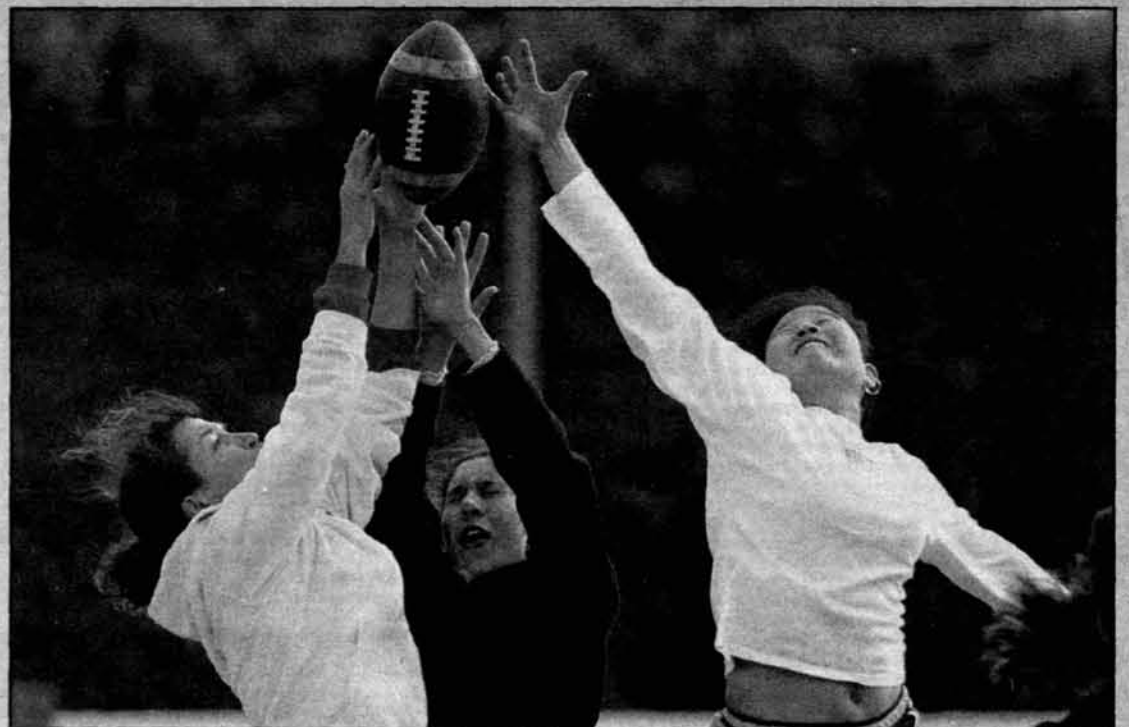
Dault, Lila R. Baaklini '06, and Liang go up for a Hail Mary pass.

Dault, right, and Sarah E. Sheppard '06 celebrate a touch-down.

Several sorority members huddle up to plan their offensive strategy.

The Panhellenic Association organizes a Powderpuff football game each year. This year's game took place on the turf last Friday, Oct. 24.

Photography by Dan Bersak



ARTS

CLASSICAL REVIEW

*Sparkling Stravinsky, Banal Beethoven**Anzolini's Return to MITSO Marked by More of the Same*

By Bogdan Fedeles

STAFF WRITER

MIT Symphony Orchestra
Dante Anzolini, conductor
Kresge Auditorium
Oct. 24, 8 p.m.

Why is it so often the case that the MIT Symphony Orchestra delivers notable performances of 20th century masterpieces, and yet falls short in convincingly performing classical and romantic symphonic works? Great performances of classical works during the past centuries have set very high standards in listeners' ears, whereas the more modern works are not as well-known and understood. It has been suggested that while the modern works are very rigorously scored, with an abundance of interpretation details, the classics relied more on the performers' understanding and interpretation of the music, and their notation is scarcer in nitty-gritty indications.

Whatever the reason, last Friday's performance followed the same trend, with MITSO, conducted by Dante Anzolini, delivering an intense *Rite of Spring*, alongside a contrived, lackluster rendition of Beethoven's *Symphony No. 6, "Pastoral."*

Stravinsky's *Le Sacre du Printemps (Rite of Spring)* played a pivotal role in the development of 20th century classical music. The force of this music transcends its time and never fails to excite and inspire. Perhaps this is why MITSO has developed a rather intimate relationship with this piece; Friday's performance was the second time they have played it in the last three years. Compared with last time, *Rite* has become a tad more primitive, more intense and probably much louder.

The performance was great because at the heart of Stravinsky's music lies its fabulously driven, unpredictable rhythm. And rhythm, by its quantitative nature, must be appealing to

the engineering-inclined minds and hearts of MIT students, much more so than intonation or affection.

In the very beginning of the piece, the whimsical pipers' dance rendered by the winds sounded hesitant. The piece really started to come together around the unpredictably-accented polychords. Later on, the performance became very intense and descriptive, offering true glimpses from Stravinsky's world of rituals.

The procession of the wise old men and the Kiss of the Earth passages sounded striking, while the mysterious, night games of the virgins came out fantastic and mesmerizing. The rhythmically difficult ending of the piece flowed nicely and fervently, showing one more time MITSO's strength in dealing with hard pieces of this nature. The numbing effect of the end was especially good; the shocked audience was barely composed enough to start clapping.

The concert featured only one other piece in its second half, Beethoven's *Pastoral Symphony*, as the other announced piece (Giovanni D'Aquila's *Through the Mines of Moria*) was postponed for the next concert. The *Pastoral's* performance should have evoked those "happy and grateful feelings towards nature" that Beethoven so dearly intended to capture, but instead MITSO sketched what looked more like a cartoon of the countryside, unconvincing at best.

The first movement was probably the best, largely due to an enthusiastic wind sec-

tion. However, a number of elements such as the violin section, failing repeatedly to hold notes in unison, detracted from the overall impression, giving that good-but-not-great feeling. Anzolini's efforts in tuning after each movement only slightly ameliorated the overall situation. In the second movement, "Scene at the Brook," things got a lot worse. First of all, it was blindingly fast — the brook was more like muddy rapids, often splashing. The middle section regained some clarity but recapitulation returned to the previous muddier state. The birds' song episode was somewhat delightful, albeit too shy and tense.

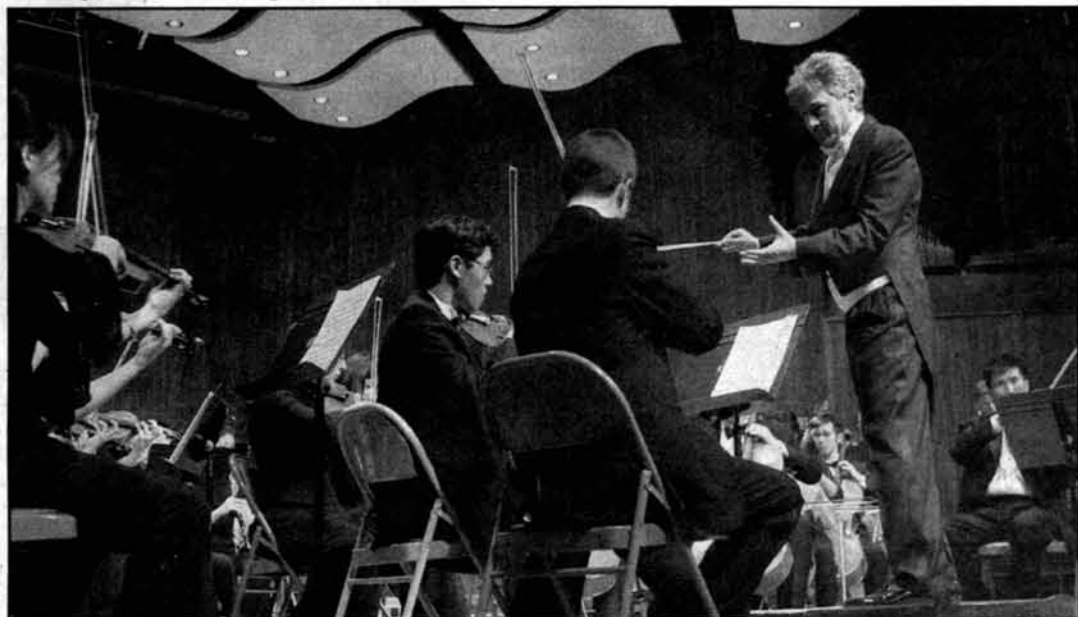
The third movement brought some spark to the whole piece, with some very playful oboe

episodes, joined by good clarinet and horn solos. The string section again lacked definition and the whole "happy gathering of country folk" came out lackadaisical, rather than exuberant. After that, even the storm didn't elicit that much enthusiasm, sounding rather calculated and tame.

The dynamics felt way too low. Here, the strings made up for some of their previous sins, but the conciseness of the movement didn't allow the good trend to prevail. Finally, reaching the sublime Shepherd's song, most of the good things fell apart, and the last movement came out dull and lifeless.

Imprecise playing and ensemble work made the finale hesitant and unenthusiastic, and the audience responded accordingly, with a rather tepid and brief round of applause.

All in all, Beethoven's *Pastoral Symphony* didn't sound bad, but it lacked that enthusiasm and energy needed for a great performance. And while one could easily recognize the notes of the piece, Beethoven's aspirations towards the simple joys of nature that are cast here seemed out of reach.



Dante Anzolini, director of the MIT Symphony Orchestra, cues the violin section during Friday night's performance of Beethoven's *Symphony No. 6 "Pastoral"* in Kresge. The concert was Anzolini's first after his return from a year-long sabbatical at New England Conservatory.

CONCERT REVIEW

*Keeping Their Religion**R.E.M. Plays Old Favorites to a Shivering Crowd at the Tweeter Center*

By Peter R. Russo

STAFF WRITER

Pete Yorn, R.E.M.
Oct. 5, 7 p.m.
Tweeter Center

We're R.E.M., and this is what we do." Michael Stipe couldn't have summed it up any better than that. On a chilly October night at the Tweeter Center, R.E.M. did the same thing

they've done for the past twenty-three years: they jammed to a packed house of adoring fans.

Playing for the first time in Massachusetts since 1999, Stipe and company put together a spectacular 24-piece setlist chronicling the band's entire history. Few others (if any) can dip into such an extensive catalog of hits. One reason for the variety was no doubt to promote their latest compilation album, entitled *In Time: The Best of R.E.M. 1988-2003*,

which hits stores today.

The current R.E.M. cast consists of Michael Stipe on vocals, Mike Mills on bass, and Peter Buck on guitar, all fellow University of Georgia dropouts and original band members from 1980. Drummer Bill Berry left the group in 1997 due in part to health problems, and the remaining three have since used guests on drums, synthesizer, and backup guitar. The three guests at this show were solid, yet they played quite literally in the shadows,

and received barely a mention from the three frontmen.

After an opening act by Pete Yorn, which I unfortunately missed because of a wrong turn on the way to Mansfield, the R.E.M. crew took the stage and started with the energetic and appropriately titled "Begin the Begin." The first major hit of the evening was "Drive," a surprising omission on the new compilation album. While it was performed too closely to the studio cut than I would have preferred, I was glad it was played at all. Several newer songs followed before "Bad Day," a current single whose tune is catchy, but an obvious knockoff of "It's the End of the World As We Know It."

After the classic "The One I Love," came "Daysleeper," the only major radio hit from 1998 album *Up*. While the band's latest albums have received heaps of critical acclaim, they have had only moderate commercial success. After *Monster*, their 1994 album with hits such as "What's the Frequency Kenneth?" and "Strange Currencies," came the underachieving *New Adventures in Hi-Fi* (1996), *Up* (1998), and *Reveal* (2001). "Daysleeper" is the biggest hit from all three of these albums, its sound a throwback to the seminal *Automatic For the People* album of 1992.

The political "Orange Crush" had Michael Stipe singing half the song through a bullhorn. Very cool. Between the bullhorn and Peter Buck's guitar melodies, this was one of the highlights of the night. While it has never been a favorite R.E.M. tune of mine, this performance gave it a new life, and inspired me to dig up my old copy of "Green." Finally, the main performance wrapped up with "Man on the Moon," the lyrical song about the late comedian



Frontman Michael Stipe and guitarist Peter Buck perform "These Days" during the opening minutes of the R.E.M. concert at the Tweeter Center. The performance was part of R.E.M.'s 2003 summer tour, their first major concert tour in four years.

WEB SITE REVIEW

Divine Blasphemy: Digital Wallpapers

3-D Rendered Images for Your Desktop

By Kevin Der

ASSOCIATE ARTS EDITOR

Digital Blasphemy

<http://www.digitalblasphemy.com>

Created by Ryan Bliss

90-day membership: \$12

Tired of tooling on Athena with the same blue background? Participating in a 6.170 marathon and want a wallpaper that makes you believe it's not six in the morning? Allow me to introduce you to Digital Blasphemy, one of the top Web sites anywhere for 3-D rendered desktop wallpapers.

You've probably seen it before: a torsion of ghost-like, fluorescent-blue mushrooms jutting out from the ground. This is just one of hundreds of high-resolution images offered at the site, and the fact that they are completely computer generated is pretty remarkable. People have found some wallpapers so realistic they have mistaken them for photographs.

On the site, you can find them grouped into various categories, including day and

night scenery, interiors, planetscapes, and abstracts. There are renderings of everything from canyons to ponds, arboretums to castles, dragons to sorcerers.

In my view, what make these images so beautiful is not only their incredible realism but also the creativity and perspective of the scene. One interior, entitled "Gardener," depicts a hooded figure standing in a circular stone atrium with a massive tree in the center and a beam of sunlight shining straight down upon it. "Nimbus" has the viewer looking down through a sieve of clouds at a castle situated in a valley. Gorgeous images such as these are offered at resolutions as high as 1600x1200.

The creator of Digital Blasphemy, Ryan Bliss, offers these and every other rendered wallpaper he has ever made in the members section of the site, access to which costs a small fee of \$12 for three months of access.

There are many other features available to members, such as the Picklejar, which is a collection of the same scenes captured in different ways. There might be different render-

ings of the scene during the day and at night, or different arrangements of the figures and objects within the scene. For instance, the picklejar for "Fluorescence" includes the mushrooms in different colors such as red, and taken at different angles with varying terrain.

You can also sample widescreen or dual monitor versions of images, which reveal more of a scene than those with a normal 4:3 size ratio. "Alpine," for example, looks far better in widescreen, as the viewer can see more of the snowy mountain range that it depicts. And I want to get dual monitors set up just so I can see how it will look to have these images stretched across two screens. It was a lot of fun getting to browse through these collections.

For those who haven't yet gotten a membership, Bliss offers 30 wallpapers for free, of varying types. But these are only a taste of what lies in the members' vault. I'm sure you will be tempted to shell out the \$12 so that you can explore the vast remainder of the site.

In terms of software, Bliss uses a variety of professional graphics tools to create his 3-D wallpapers. Of these, there is Lightwave, a modeling tool commonly used for visual effects in television and film. He also regularly employs World Builder to create and manipulate terrain, and to paint flora and vegetation onto the environment to craft fields and forests. Others you may have heard of are Poser and Vue d'Espirit.

But, as they say, in the end it's the artist that matters, not the brush. There are other computer generated wallpaper sites out there, but I haven't come close to finding any as good as Digital Blasphemy. I consider it the best digital art anywhere. So next time you're on Athena, check it out, if you're not too hosed.



"Last Gold," found in the member's area, is one of many startlingly realistic images.



The widely popular "Fluorescence" is available in the free sample section of Digital Blasphemy.

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Tweeter Center by Public Transportation

The Tweeter Center is a 14,000 seat amphitheater located about half an hour south of Boston in Mansfield, MA. Getting there by car is easy; just hop on the Pike to I-95 south to exit 7A. Be sure not to take a wrong turn onto I-93, and be prepared to sit in the parking lot for an hour after the show to wait for traffic to clear.

Getting there without a car is a bit more tricky, but not impossible. From South Station, take the commuter rail (Attleboro/Stoughton line, \$8 round trip)

to Mansfield. For a 7:00 show, a 6:00 train is perfect. From the Mansfield station, a cab ride to Tweeter costs \$12, which can be split with other concertgoers waiting in the station's parking lot. After the show, head to the Cumberland Farms gas station just down the street from Tweeter to catch a cab back to the station. The last train to Boston departs Mansfield at 11:55, so waiting for a ride can be rather nerve-wracking. Last time, I made it to the station a leisurely three minutes before the train arrived.

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Six-Song Encore Tops Off Concert

R.E.M., from Page 9

Andy Kaufman.

After a quick jaunt offstage, the band returned for the encore. Just in case the previous eighteen songs weren't quite enough, the six-song encore that followed turned the concert into a true epic. At one point, Michael Stipe made a note of this by saying, "we're going to play more than we're supposed to," much to the freezing audience's delight. For a while, it seemed that the only things that might put an end to the evening were either a case of mass hypothermia or the town of Mansfield's 11 p.m. sound ordinance.

Unfortunately, the band never played "What's the Frequency Kenneth?" as I had hoped, and the encore was instead punctuated with "Exhuming McCarthy" and the ancient "Permanent Vacation." And with the opening drumbeats of "It's the End of the World As We Know It," the end was indeed near. But oh, what a rendition! Lasting for what must have been a full ten minutes, the song went on and on, with Michael Stipe leading the entire crowd in singing "And I feel fine!" The house nearly came down when he briefly donned a Red Sox jersey thrown from the crowd. After he thanked the audience one last time, Stipe declared, "See you all again soon," and left the stage. After this performance, let's hope it won't be another four years before R.E.M. comes back to Boston.

**Happy
Tuesday!**

Ring Better Represents Grad Student Life

Grad Rat, from Page 1

year of graduation, the degree earned, and a large G with an inlaid departmental symbol representing the student's major. Examples of departmental symbols include a DNA double helix for biology and a ballot box and ticket for political science. Because information like graduation year can change, this part of the ring can be changed for free at any time.

The rest of the ring is similar to the undergraduate ring. The bezel's foreground centers around a beaver. The sides of the ring show the Cambridge and Boston skylines, and the inside of the ring has a map of main campus. The other shank displays the MIT seal.

The ring also has various symbols that characterize graduate student life. For example, the beaver on the bezel is holding a diploma, which forms the crust of a slice of pizza. This represents free food, which the ring information pamphlet said is "central to the graduate existence." There are also tents behind the beaver that "reflect the state of affordable graduate housing," according to the pamphlet.

Justin K. Werfel G, who is part of the five-member Graduate Student Ring Committee, said that "everyone [on the committee] had elements they wanted to include" in the ring's design. They worked with

artist Tim Flynn who, Werfel said, helped them realize their own ideas.

Design change rare in ring history

Graduate students were first offered a specialized ring in 1992, when students' degrees were indicated on one of the ring's flanks, said Alvar Saenz Otero G, chair of the committee. Prior to 1992, only a generic ring was available for all graduate students with the year, MIT beaver, and Killian Court.

In 1998, the ring was redesigned to include the letters "GSC," or the Graduate Student Council, in the tree branches behind the beaver on the bezel. This year, the five-year production contract for the 1998 version of the ring ended so the GSC decided to have a new ring designed.

The ring committee was put in charge of designing the new ring. The committee wanted to "start a tradition," said James Dai G, one of the committee members, but it was difficult because the graduate student body is "much more nebulous" than the undergraduate body.

Werfel said he was "disappointed" with the old graduate ring, and that he "didn't see anything about this ring that would make me want to buy it, even wear it."

Otero said that the feedback so far has been very positive, and he expects five- to seven-hundred people to buy the ring, up from about



MARCUS DAHLEM

The GSC's 50th Anniversary celebration kicked off with the unveiling of the new MIT graduate ring, the "Grad Rat."

150 the year before. "I think this ring will bring them what they expect in a brass rat," he said.

Dai said the committee hopes the

redesign becomes an annual process. Lucy Wong G and Akshay Mohan G are the other two members of the ring committee.



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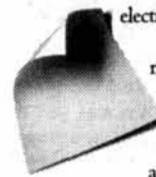
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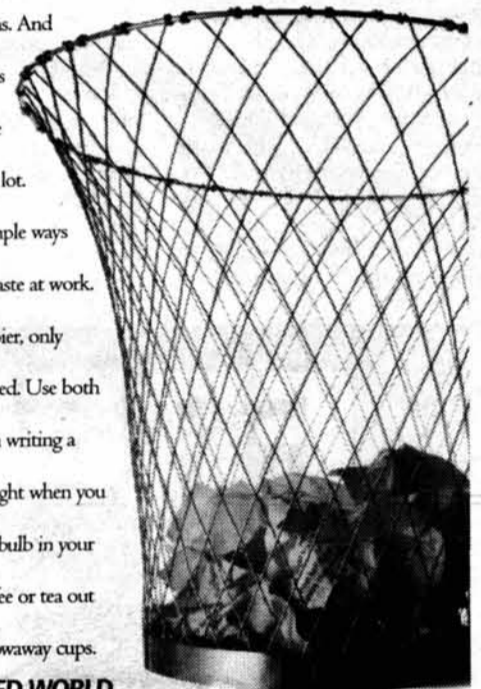
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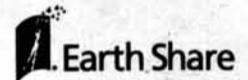
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Fee Could Be Burden; No Assistance Planned

SEVIS, from Page 1

ty],” which includes mail-in forms, credit card, and other approved electronic means, according to a statement released by NAFSA: Association of International Educators (formerly the National Associate for Foreign Student Affairs).

Valerie Wong '06, an interna-

tional student, said she doesn't “really support” the fee, since the students did not ask for SEVIS. “If [the government wants] it, they should pay for it with their own money,” she said.

Michael R. Folkert G, vice president of the Graduate Student Council, said “This is just another fee for our beleaguered international students.”

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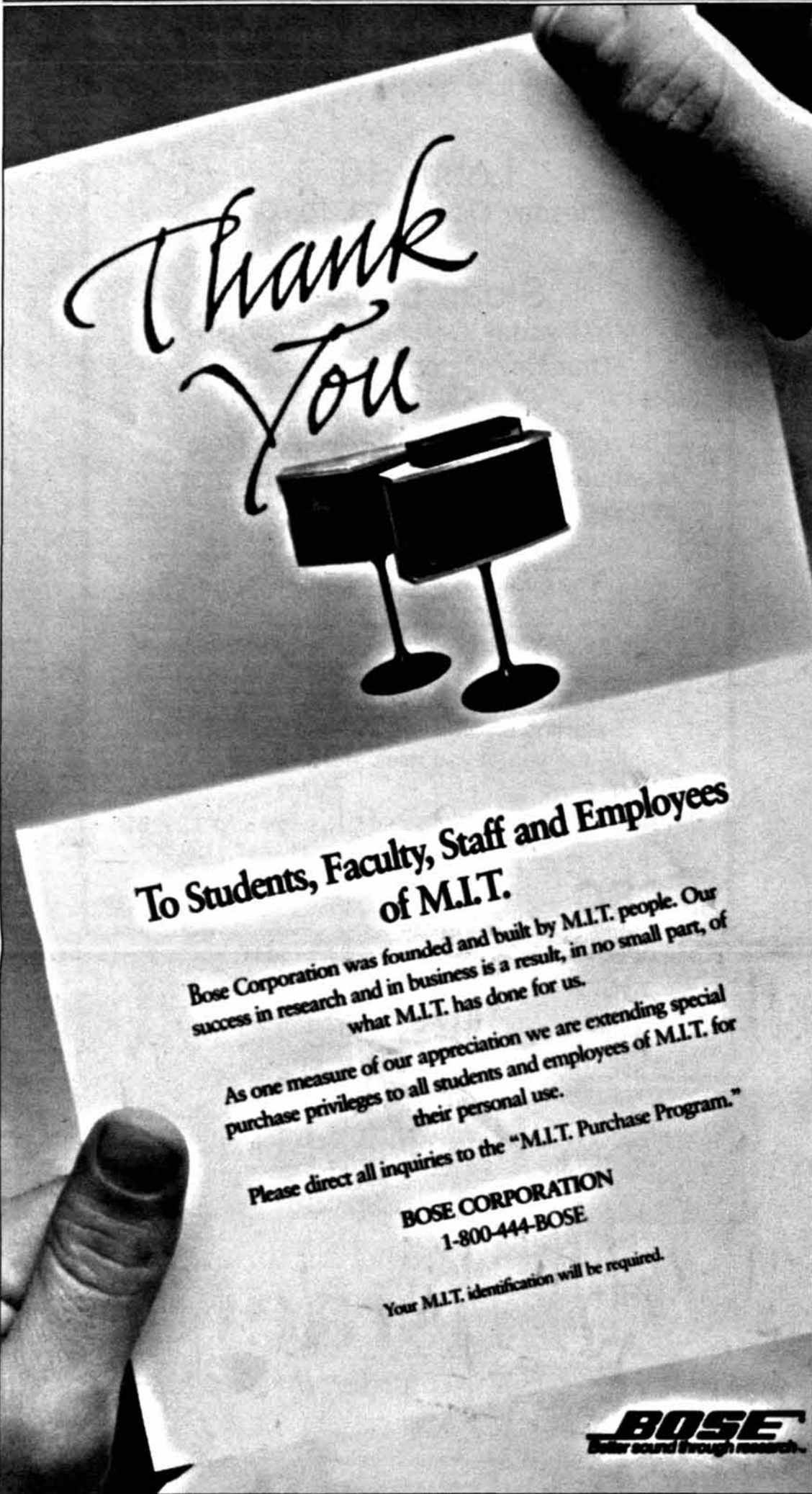
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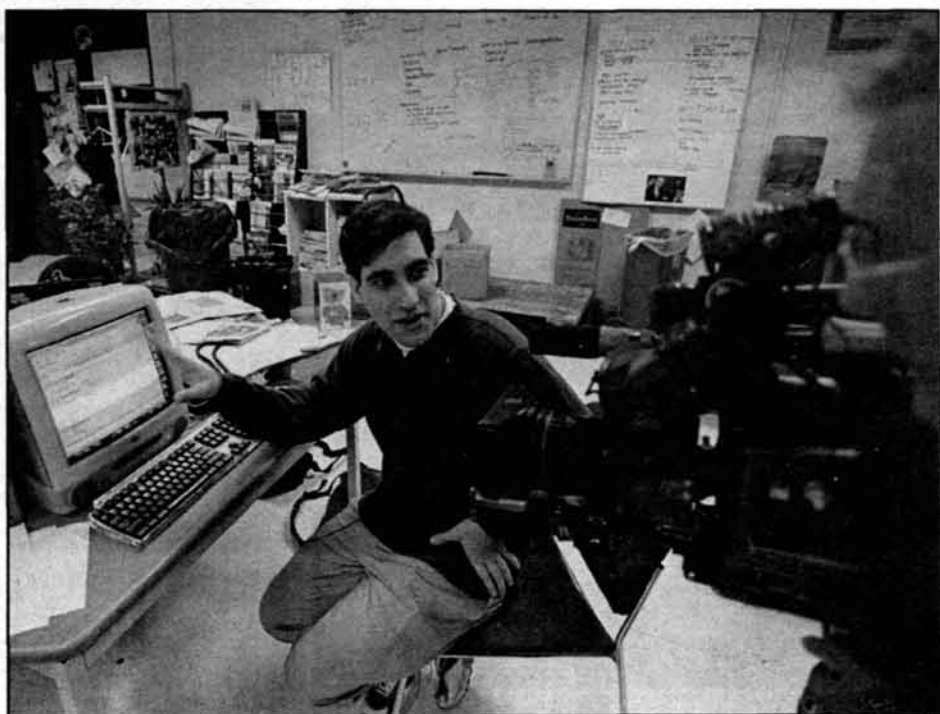
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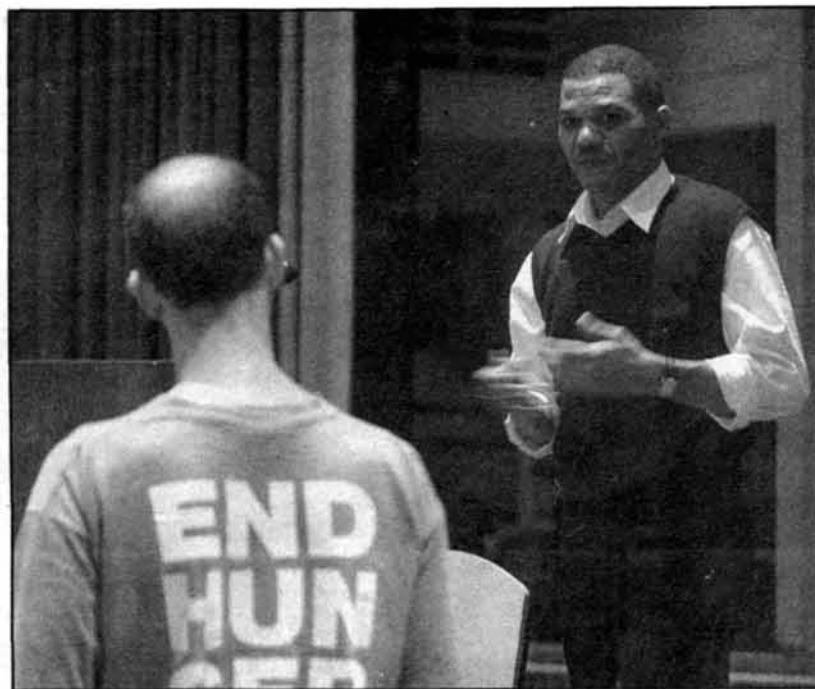
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BRIAN HEMOND—THE TECH

Keith J. Winstein G explains the Library Access to Music Project to Boston's Channel 7 television news. Winstein, working with Joshua C. Mandel '05, designed L.A.M.P. to allow MIT students to listen to free on-demand music over the MIT cable system.



MARCUS DAHLEM

Abel Fernandez from the Fair Trade Cocoa Cooperative in the Dominican Republic speaks in the Stratton Student Center on Sunday evening. Fernandez addressed fair trade issues in a talk organized by Students for Labor Justice.

Before last weekend, the only thing he'd ever burned was a CD.

Although fire fighters do everything they can to prevent burns, more than 2.5 million burn injuries occur in North America each year. Most could be prevented. To learn more about our "Don't Get Burned" campaign, please visit www.IAFFBurnFund.org.

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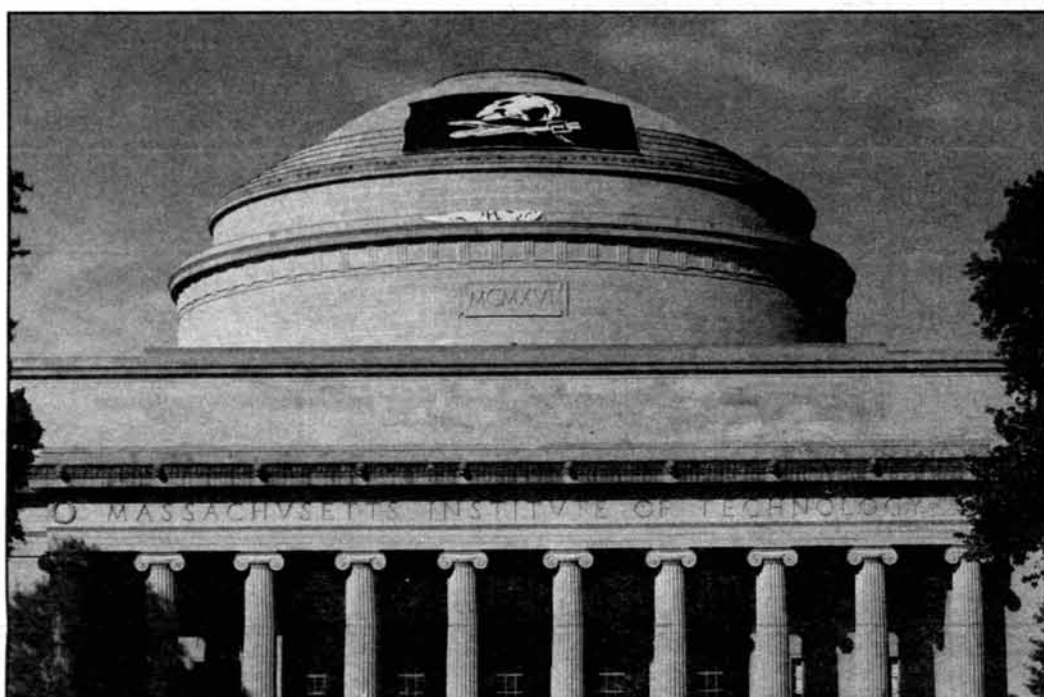
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STEPHANIE LEE—THE TECH

Anthony D. Weinbeck '04, Ethan A. Post '06, James K. Noonan '04 and Robert B. Geary '03 of Our Friend Glenn rock out at Simmons Hall's ROCKtober Fest on Friday.



PETER R. RUSSO—THE TECH

A pirate flag sporting the skull of a beaver adorns the Great Dome. The banner, which first appeared Saturday morning, remained aloft through the weekend.

MIT Department of FACILITIES
CAMPUS CONSTRUCTION UPDATE

Amherst Alley

Construction in front of McCormick Hall continues. Two-way traffic from Mass. Ave. to Danforth Street and parking in the Kresge Lot will be unaffected. Parking along Amherst Alley will be eliminated and marked with No Parking signs.

Brain and cognitive sciences project

Albany Street between the Albany St. garage and Main Street will remain closed through spring/summer 2004. Vehicles exiting the garage must turn left. Main Street has been expanded back to two lanes, and parking on the north side of the street has been reinstated. Erection of steel continues on the north and south portion of the site and above the railroad tracks. Hauling of excavated soil continues.

Stata Center

Pedestrian and vehicular access to the East Annex Parking Lot is now restricted. Pedestrians should use the entrance at Building 66. Deliveries must come down Ames Street and enter through the south side of Building 56. Cyclists may park their bikes outside of Building 56. This restriction is required to allow for paving work adjacent to the Stata Center, which will last approximately six weeks. The construction will cause noise, vibration and some odors in the surrounding area. For further information, contact the MIT Stata Center Project Management Team at 8-6503.

Vassar Streetscape

Sign installation and tree planting will continue. Curbing and paving will resume at the intersection of Main Street and Vassar Street. Pedestrians are asked to stay on the sidewalk to avoid conflict with cyclists, who are asked to stay on the cycle track (asphalt pavement).

For more information on MIT's building program, visit web.mit.edu/evolving. This information provided by the MIT Department of Facilities.

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DKE Members May Congregate in Dorm

DKE, from Page 1

President Daniel E. McAnulty '04 said that there are currently five empty spaces in Senior House, and East Campus Vice President Emily E. Cofer '04 said there are currently ten empty spaces in East Campus.

"If [DKE brothers] actually transfer into the house, the way house rooming policy is, they'll be able to, if they want to, control a certain area of the house," McAnulty said. That "would allow them to maintain a certain collectiveness for themselves," he said.

Vincent said that DKE lived in a wing of Senior House from 1916 to 1921, before its current house was built in 1926. Fraternity Delta Tau Delta occupied the western end of Senior House during that time as well, he said.

Vincent said that it is uncertain at this time whether the IFC will allow DKE to initiate its nine pledges this year.

"I can only assume that these events will only reenergize their desires to become brothers," Vincent said.

IFC, CLC have jurisdiction

The original decision to force

DKE out of its house came from a five-member panel of the IFC. Tyrell said that the Cambridge License Commission, which provides DKE's lodging license, is aware of the original decision.

The CLC has the authority to force DKE from its house, even if DKE were to split off from the IFC and remain in their house. However, Vincent said that it is "a moot point," because the DKE chapter wishes to remain part of the IFC and the MIT community.

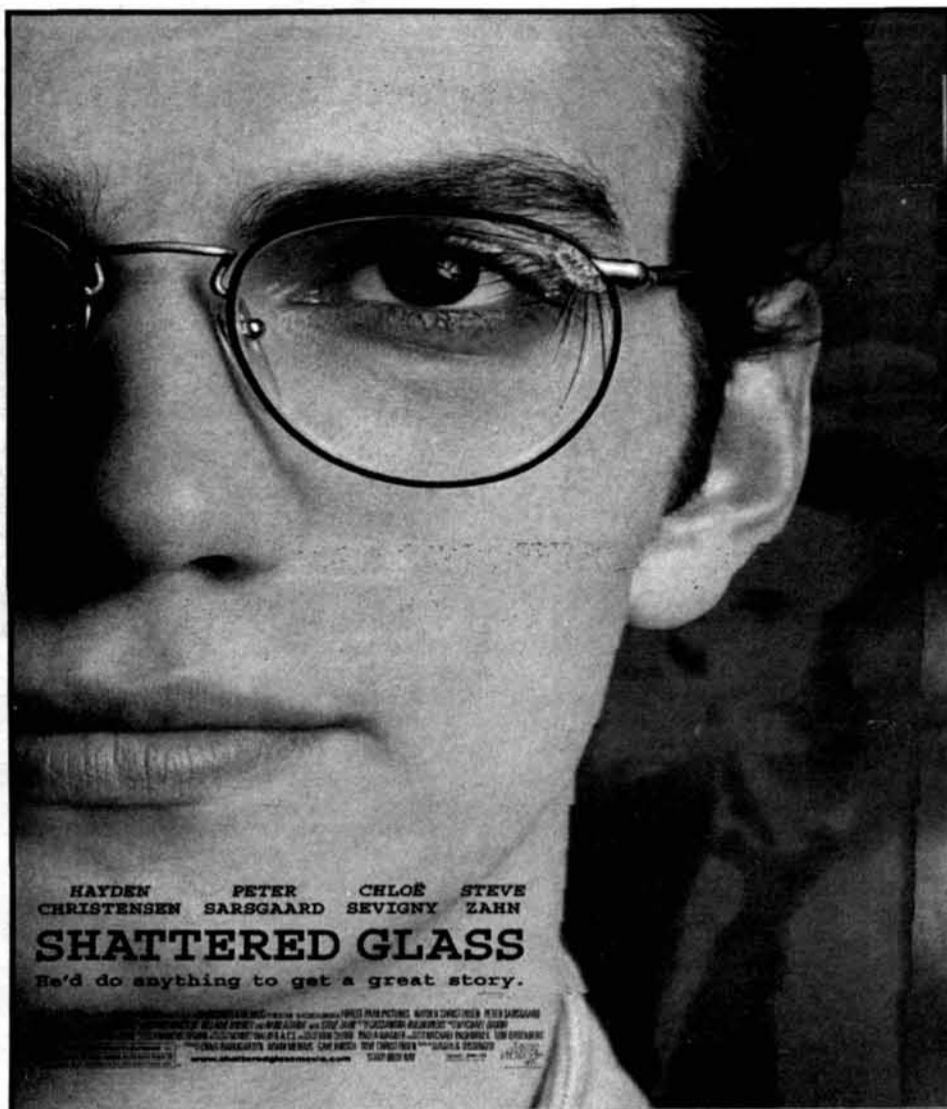
"Our goal is to coexist within the MIT community and be recognized as a contributing member," Vincent said.

"If you're part of the IFC community, you're part of the Institute," Tyrell said.

Vincent also expressed concern for how the decision would affect MIT and the fraternities, sororities and independent living group community.

"We've all heard about the negatives, but there's a whole lot of positives," Vincent said. "I believe MIT gets it better today than five years ago how significant and relevant the fraternity system is ... It's not just a bed to sleep in, it's a community."

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FL's Beckett Blanks Yanks in Final Game

By Yong-yi Zhu

COLUMNIST

Don't mess with Texas. Saturday night, it might as well have been don't mess with Beckett. Josh Beckett, the 23-year-old from Spring, Texas, pitching on three days rest, single handedly shut down the mighty New York Yankees and brought the Florida Marlins their second World Series championship since their inception.

Column

Beckett gave up a stingy five hits and two walks while striking out nine en route to the win. This is the second key outing in a series-clinching win for Josh Beckett inside of a week-and-a-half. His last appearance was in the National League Championship Series, game seven, on two days rest, throwing 45 pitches to beat the Cubs. He wasn't the winning pitcher on record, but he gave the Marlins the biggest lift in pitching those four strong innings.

But that was still against the Cubs. This time, it was different. This time, it was against the evil empire. This time, it was for the World Championship. It seemed like Beckett had everything against him.

Instead of a possible implosion, Beckett calmed down and began the game brilliantly, giving up only three hits in the first six innings. The Yankees never had seemed to have a chance against him.

When Posada doubled to lead off the seventh inning, it appeared as though the Yankees were going to break through. Again, when Soriano singled to lead off the eighth, Beckett seemed slightly vulnerable. But both times, he merely shrugged off the mystique of the Yankees and calmly let his right arm do all the talking.

With the win, and the great performance against Mike Mussina in game three, Beckett deserved to earn the honor of World Series MVP. There was no one more fitting. Not only did he play well, but also he played well when his team truly needed him, coming to pitch on two and three days of rest. In fact, this was his first start pitching on three days rest in his career. Nothing physical seemed to get to him.

All of the hopes of the Marlins were banking on Josh Beckett. Had he lost, it would have gone to a seventh game in which Carl Pavano would have to pitch on three days rest. That might have been disastrous, given that Pavano is not built as tough as Beckett. But in the end, Beckett came through in the clutch, delivering the knockout blow Jack McKeon needed from his young starter.

It seemed rather fitting for a Texan to win the big game in this series. After all, Roger Clemens has thrown his last pitch and it is time for another Texan hurler to take the stage. The World Series surely was the grandest of them all.

But this magical ride was not without much turbulence. At one point, A.J. Burnett, Mark Redman, and Beckett were all sidelined with various injuries, the Marlins were on a torrid losing streak, and Jeff Torborg was still their manager. Some of Beckett's actions helped to stabilize the ship that appeared to be sinking fast.

When Burnett went down and had to have reconstructive elbow surgery early in the year, there was much turmoil in the Marlin organization. In May, Beckett went down with elbow problems as well. People said that the management was pitching the young arms too much for their own good. They would kill the talent that they have now.

However, Beckett, in a bold statement, came out and said that he did not feel as though the Marlin organization was pitching him too much. He went on the disabled list, and eventually came back to finish up the season, the season in which after mid-May, the Marlins had the best record in the major leagues. Josh Beckett was a large part of that.

It's hard to imagine that the last time the Marlins won the World Series, Josh Beckett was still 17, graduating from his high school. He is now only in his third season as a major league pitcher.

As I sat watching him Saturday night, I was completely awed by his ability. Jeter, Giambi, and Matsui were all just pawns to Beckett's mastery.

He blanked the Yankees. He blanked the Yankees in Yankee Stadium. Not since Jack Morris had someone finished the World Series with a complete-game shutout. Not since 1981 had someone come into the Yankees' house and beat them to win the World Series. That all changed tonight. With an elegant 107 pitches and a tag of Posada on the first base line, Beckett accomplished what seemed the impossible.

The Empire can strike, but Josh Beckett will not flinch.



ERIC J. CHOLANKERIL - THE TECH

Dan Relihan '04 and Spencer M. Cross '05 pull down a player from Nichols College last Saturday. In a thrilling fourth quarter, Nichols wide receiver Daragh McCann scored a touchdown with 1:34 remaining, bringing the score to 14-13. Brennan P. Sherry '06 then blocked the extra point attempt to bring home the victory for MIT.

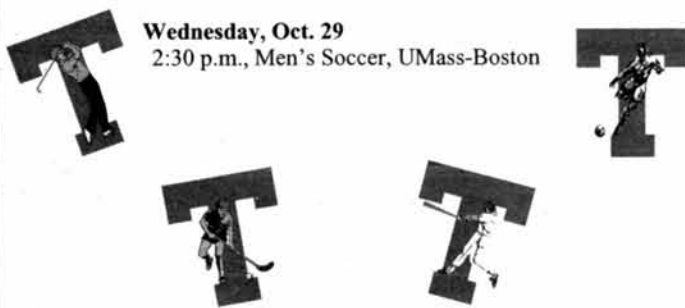


JIMMY CHEUNG

Caroline Tien '04 waits, ready for the ball, in her semi-final doubles match with Shima Rayej '04. Tien and Rayej, MIT's top ranked women's tennis players, defeated their opponents from Smith College 8-4.

UPCOMING HOME EVENTS

Wednesday, Oct. 29
2:30 p.m., Men's Soccer, UMass-Boston



Solution to Crossword

from page 6

B	O	C	A	L	A	B	S	S	T	A	L	E	
E	R	O	S	A	L	A	E	H	U	M	O	R	
R	A	N	T	O	F	F	T	H	E	B	E	A	M
I	N	F	E	R	A	F	T	A	A	N	N	A	
A	G	O	R	A	S	L	O	M	B				
A	Y	N	B	L	V	D	N	O	L	L	E		
M	U	D	D	L	E	D	P	U	Z	Z	L	E	
T	R	E	V	I	B	O	L	O	M	A	Y		
S	I	D	I	N	G	E	R	N	A	N	I		
				G	U	M	M	A	T	A	X	I	A
I	D	E	A	R	A	U	L	E	V	E	N	S	
N	O	N	P	L	U	S	S	E	D	E	D	D	Y
G	O	O	S	E	S	E	A	N	L	U	R	E	
A	R	L	E	N	E	D	N	A	S	P	I	T	

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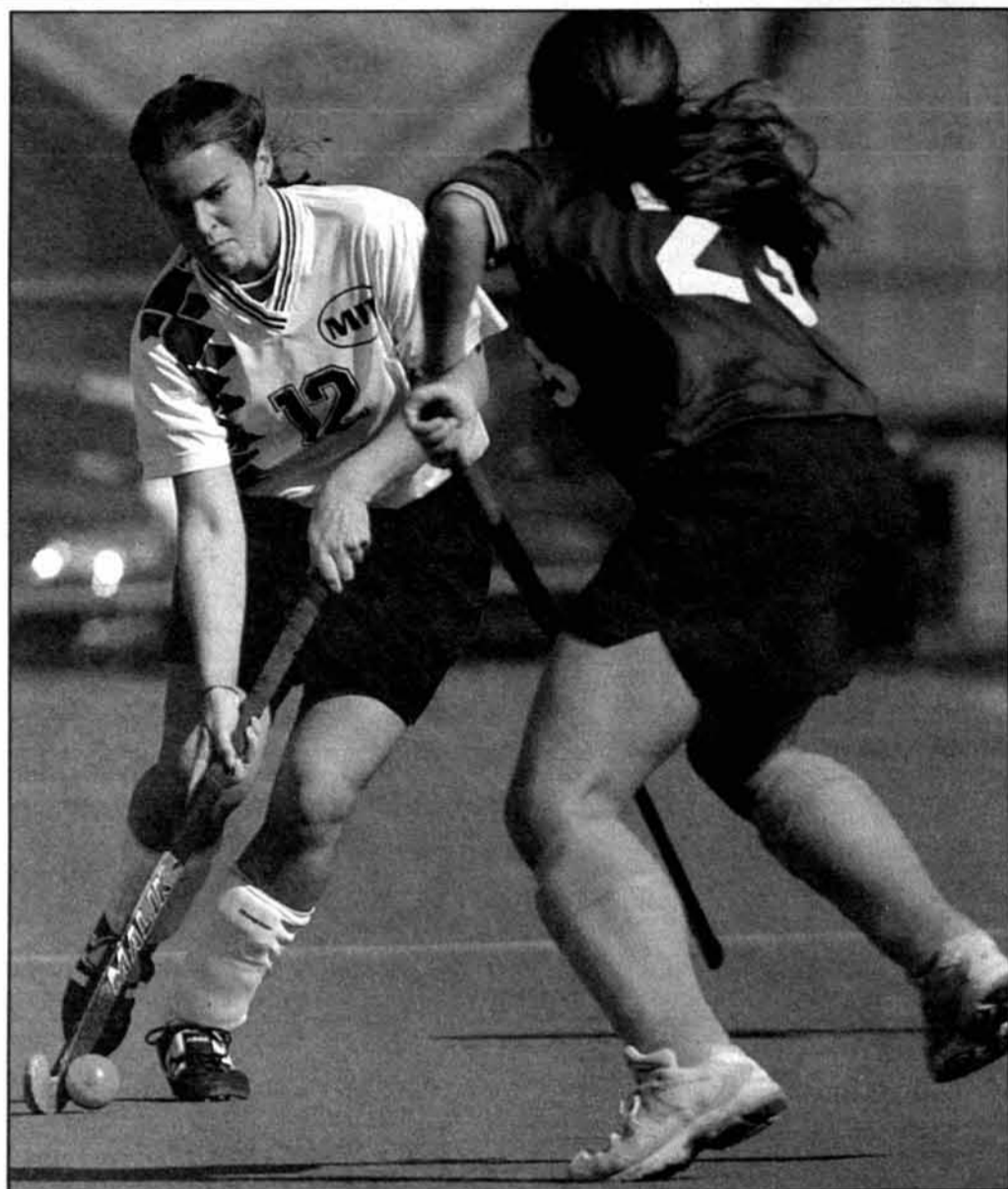
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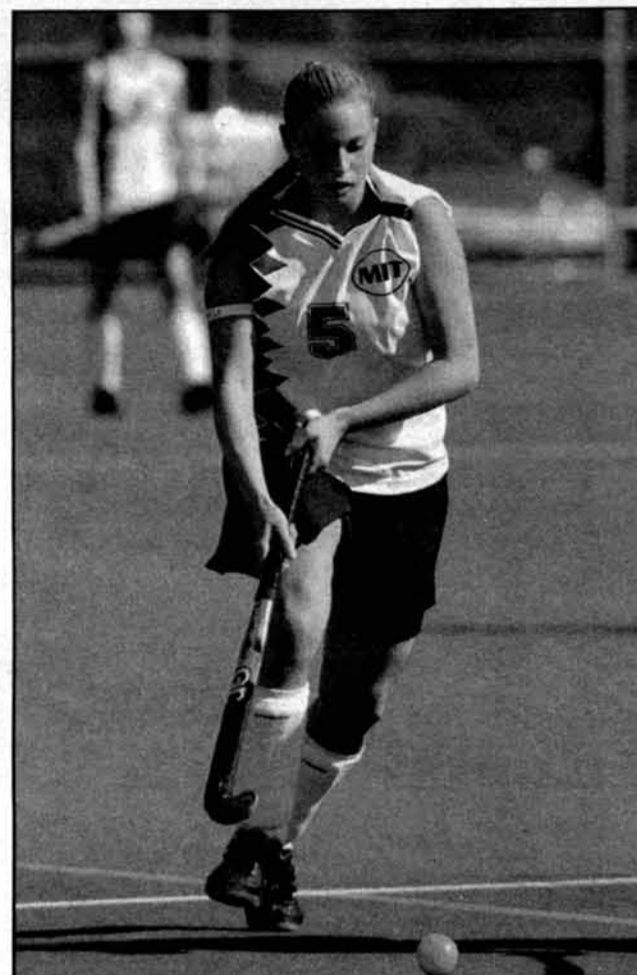
SPORTS



Left: Deanna M. Lentz '06 moves the ball around a Mount Holyoke player. Lentz was credited with an assist for the game.

Below: Noelle J. Kanaga '06 breaks away during the women's varsity field hockey match Saturday. Kanaga scored the first of two MIT goals in the Engineers' 2-1 victory over the Mount Holyoke Lyons.

Photography by Peter R. Russo



W i n t e r - S p r i n g 2 0 0 4

iCampus Call For Student Proposals

iCampus has awarded over \$1,000,000 to student projects in the past few years. Student iCampus projects are ambitious, innovative efforts **designed and carried out by MIT graduate and undergraduate students** that demonstrate:

- the use of information technology to enhance MIT education,
- the desire to improve the quality of MIT student life,
- or the desire to make an impact on the world at large.

Deadline for proposal submission is **NOVEMBER 15, 2003**.
For more information, please visit the iCampus website:
<http://icampus.mit.edu>.

Informational meeting: **Thursday Oct 30th, 6pm, NE43-518**
RSVP for free food: icampus@mit.edu

