

BRIAN HEMOND—THE TECH

The Ying Yang Twins, Eric "Kaine" Jackson and D'Angelo "D-Roc" Holmes, perform during the Spring Weekend concert in Johnson Athletic Center on Friday, April 27. See page 9 for more photos.

## DormCon Selects Incoming Officers

By Valery K. Brobbey  
ASSOCIATE NEWS EDITOR

A small crowd of about 25 students attended the Dormitory Council elections meeting that selected Sarah C. Hopp '08 and James T. Albrecht '08 as president and executive vice president, respectively. The meeting was held last night at the East Campus Talbot lounge. Six other DormCon positions were also selected during the meeting (see the table on page 14 for final results). Bexley Hall and Next House were not represented at the elections.

"I have every confidence [the new officers] will carry DormCon through the next year with energy and enthusiasm," outgoing DormCon President David A. Nedzel '07 wrote in an e-mail yesterday.

"I'd like to continue to promote a good relationship between administrators and [dormitory] residents," said Hopp. Hopp plans to oversee conversation between dormitory residents and the Housing office, as well as to make sure "the new dorm [the current Ashdown House] gets off to a good start." Hopp also plans to keep DormCon involved in discussing alcohol-related issues concerning Orientation and Residence Exploration. The current Ashdown House is scheduled to be converted to an undergraduate dormitory after the new Ashdown house is completed in summer 2008.

No student group liaison was selected this year, said Hopp, "to allow the [incoming DormCon] president to decide whether they would personally want to attend [UA] Senate, or assign a

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## Soil From Mars May Be Tested For Signs of Life

By Gareth Cook  
THE BOSTON GLOBE

Since the completion of the human genome project, biologists have been fanning out to study the genetics of virtually every imaginable life form: armadillo, potato, slime mold, various fungi, and many, many others. To this list, Harvard biologist Gary Ruvkun would like to add extraterrestrial life.

Of course, it's impossible to study the genetics of something that hasn't been found. But then that, Ruvkun says, is the whole idea.

With preliminary funding from NASA, Ruvkun is working on a sensor designed to test the soil of Mars for DNA. Ruvkun hopes that the sensor his team is working on, the first part of a project he has dubbed the "Search for Extraterrestrial Ge-

nomes," will be a part of a Mars lander mission in the next decade.

The project represents a sharp break from the reigning philosophy of life detection: avoiding an earth-centric view of what life might look like. In the 1970s, for example, the Viking lander conducted tests for signs of chemical changes that might be associated with life, without assuming life there would be exactly

as it is on earth.

Instead, inspired by evidence that microbes can shuttle between planets aboard meteors, Ruvkun argues it is most likely that any life on Mars would be related to life on Earth and thus have roughly similar DNA. The project is an example of jackpot science — long odds, huge potential

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## Biotech Outfits Scramble To Reduce Ethanol Costs

By Stephen Heuser  
THE BOSTON GLOBE

If the car of the future runs on old cornstalks and scraps of sugarcane, you might be able to thank a group of executives sitting eight stories above the Charles River.

That's where energy-industry veteran Carlos A. Riva '75 presides over Celunol Corp., one of a host of new companies racing to turn farm waste into potent, clean-burning ethanol.

It might seem unlikely that the fuel industry and big agriculture, two go-liaths of the red-state American economy, would intersect at a conference table overlooking CambridgeSide Galleria. But increasingly, energy analysts say, the next major shift in American energy is likely to come from high-tech science being developed in places like Cambridge.

"Historically, energy companies were located near the energy supply. You had oil companies in Houston, coal companies where they get the coal. I think what we're going to see now is almost a new type of company emerge — an energy innovation company," says Jeff Andrews, a venture capitalist with Atlas Venture of Waltham, which invests in several "cleantech" firms.

Recently, privately held Celunol said it would merge with Diversa Corp., a public California firm, creating a 240-person national company. Diversa will buy Celunol for \$115 million in stock, but the resulting company will be run by Celunol's executives in Cambridge.

Several competitors, including East Cambridge neighbor Mascoma Corp., are jostling with Celunol to be

Ethanol, Page 12



CHRISTINA S. KANG—THE TECH

Oliver C. Venn '07 explains his project to a judge at the IDEAS Competition Judging and Project Displays in the Bush Room yesterday. The awards ceremony is on May 2 at 7:30 p.m. in room 32-123 and is open to the general public.

### In Short

¶ Pre-registration for Fall 2007 begins today. Register online through WebSIS at <http://student.mit.edu>.

¶ Wellness Week events, focusing on mental health, fitness, and nutrition, will be held daily through Saturday, May 5. Visit <http://ua.mit.edu/wellness> for more information.

¶ The MIT Sloan Sales Conference, including panel discussions on sales and leadership, will be held Friday, May 4 at the Hyatt Regency Hotel in Cambridge. Visit <http://www.sloansalesconference.com> for a full agenda and registration information.

Send news information and tips to [news@the-tech.mit.edu](mailto:news@the-tech.mit.edu).

#### SPRING WEEKEND

Ying Yang Twins, DJ Scientist, and Ozomatli twerk up Spring Weekend.

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#### NEWS

Undergraduate Association elections results as of press time

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# WORLD & NATION

## Virginia Closes Loophole That Armed College Gunman

By Ian Urbina

THE NEW YORK TIMES

WASHINGTON

Gov. Timothy M. Kaine of Virginia closed a loophole Monday in the state's gun laws that allowed a mentally disturbed Virginia Tech student to buy the guns used in a shooting rampage this month that left 33 dead at the university.

The governor issued an executive order intended to prohibit the sale of guns to anyone found to be dangerous and forced to undergo involuntary mental health treatment. Under the order, their names would be included in a database of people banned from buying guns.

In December 2005, a Virginia judge directed Seung-Hui Cho, the gunman in the April 16 massacre, to undergo outpatient treatment. But because Cho was treated as an outpatient and was not committed to a mental health hospital, Virginia did not send his name to the National Instant Criminal Background Check System.

Only 22 states submit any mental health records to the federal database. Federal gun laws depend on the states for enforcement, and the failure of Virginia to flag Cho has raised growing questions about the adequacy of background checks to scrutinize potential gun buyers.

## Bush Steps up Effort to Persuade Putin on Missile Defense Plan

By Sheryl Gay Stolberg

THE NEW YORK TIMES

WASHINGTON

President Bush, under pressure from allies in Europe to be more forthcoming about his plans for basing missile interceptors in the region, said Monday that he was intensifying his efforts to persuade Russia to cooperate with the United States on the initiative "so that they don't see us as an antagonistic force, but see us as a friendly force."

Bush said he was trying to convince President Vladimir V. Putin of Russia that cooperation was "in Russia's security interests," even though Defense Secretary Robert M. Gates was unable to win Putin's support during a trip to Moscow last week.

The president spoke in the Rose Garden after a meeting with leaders of the European Union that produced an agreement for the United States and Europe to work together to reduce pollution, which scientists say leads to climate change. But the agreement did not address the enormous differences that remain between the United States and Europe over these greenhouse gas emissions, and what role governments should play in reducing them.

## Justices Back Police in Chase Case

By Linda Greenhouse

THE NEW YORK TIMES

WASHINGTON

The police did not violate a speeding driver's rights by ramming his car and causing an accident that left him permanently paralyzed, the Supreme Court ruled on Monday by a vote of 8-1.

Writing for the majority, Justice Antonin Scalia said that despite the fact that the 19-year-old driver was suspected of nothing more than speeding, the decision to force him off the road was reasonable in light of the need to protect pedestrians and other drivers from "a Hollywood-style car chase of the most frightening sort."

The justices took the unusual step — a first for the court — of posting on the court's Web site the 15-minute video of the chase, recorded by a camera mounted on the squad car's dashboard. (The address is <http://www.supremecourt.us/opinions/video/scott-v-harris.rmvb>)

Scalia said the videotape demonstrated the danger posed by the efforts of the driver, Victor Harris, to elude the police on a narrow and winding Georgia road. Scalia added that the federal appeals court in Atlanta, which ruled that Harris was entitled to a jury trial on his constitutional claims against the sheriff's deputy who forced him off the road, should have viewed the tape with more care rather than accept Harris' version of how the chase proceeded.

# Five Muslims Convicted For Planning 2005 Bomb Attack

By Jane Perlez and Elaine Sciolino

THE NEW YORK TIMES

LONDON

A jury found five British Muslim men guilty on Monday of planning fertilizer-bomb attacks around London, ending a yearlong trial that linked the plotters with two of the four men who blew themselves up on London's transit system in July 2005.

According to the evidence, revealed during the trial but made public for the first time, authorities had closely monitored meetings in 2004 between members of the two plots but never fully investigated the men who pulled off the transit attacks, which killed 56 people 18 months later. To ensure a fair trial, the judge had ordered the news media not to make the information public until after the verdict.

The revelation turned a victory for British authorities into a day of hand-wringing and recriminations over whether they had missed an opportunity to prevent the deadliest terrorist attack in the country's history.

Within an hour of the verdict,

the opposition Conservative Party and survivors and relatives of the victims of the transit attack demanded an investigation into why the authorities did not act on their surveillance.

"Whether deliberately or not, the government have not told the British public the whole truth about the circumstances and mistakes leading up to the July 7 attacks," said David Davis, the spokesman for the Conservative Party on counterterrorism.

The connection between the two groups, both in Britain and in Pakistan, pointed to a level of organization among terrorist cells here that initially had been seen as "home-grown" and independent.

The two 2005 suicide bombers, like four of the five men convicted on Monday, were British citizens of Pakistani origin. At least some of the men in both plots were trained at military camps in Pakistan that were suspected of connections to al-Qaida operatives.

Britain's senior counterterrorism police officer, Peter Clarke, said that the investigation showed the links that these men had with al-Qaida in

Pakistan and the threat they posed to Britain. But he made no mention of the court record showing links between the two groups.

For its part, MI5, the domestic intelligence agency, a famously secretive organization, went public to defend itself, saying on its Web site on Monday that it had never been "complacent" in investigating the 2005 transit attacks.

Last week, the head of MI5, Dame Eliza Manningham-Buller, retired and was replaced by Jonathan Evans, a Qaida specialist. The agency said the change was unrelated to the revelations from the investigation, which the authorities named Operation Crevice.

That law enforcement authorities knew of a connection between the two groups is especially embarrassing because three days after the July 2005 attacks, Charles Clarke, then the home secretary, said the attack "simply came out of the blue."

The order of the judge, Sir Michael Astill, keeping the links between the groups secret, was lifted on Monday, as the jury delivered the verdicts after 27 days of deliberations.

# Senior Officer Testifies Against Previous Military Jailer in Iraq

By Damien Cave

THE NEW YORK TIMES

BAGHDAD, IRAQ

A senior commander in the American military's main detention center here testified Monday at a military hearing that his predecessor, Lt. Col. William H. Steele, gave computer programs and other gifts to the daughter of a high-value detainee.

The commander, Lt. Col. Quentin Crank, whose military police unit took over for Steele's at Camp Cropper in October 2006, said the gifts, which would be a breach of military law and Iraqi cultural norms, were given after Steele had moved to another assignment in Iraq. The detainee was said to be outraged by the personal contact with his daughter, telling American officials that Steele was trying to supplant his role as father.

A computer forensics expert testified that an IBM laptop recovered

during the investigation contained classified material, 37 adult pornographic videos, 122 adult pornographic images and an e-mail message to an undisclosed person that "appeared to be adulterous in nature." A second laptop, a Dell, contained the text of a secret document, the investigator said.

The testimony once again cast the ethical conduct of American jailers in Iraq in an unfavorable light, even as the military sets in motion plans to expand its detention facilities to make room for the rapidly growing ranks of prisoners captured during the new security plan.

The hearing was convened to weigh the evidence against Steele, 51, a married reservist from Prince George, Va., who has had prior scrapes with the law. In November 1993, he was charged with aggravated child abuse and resisting an officer with violence,

both felonies, according to Hernando County, Fla., court records.

A state prosecutor accused Steele, a former Hernando County sheriff's deputy, of physically and verbally abusing his 11-year-old stepson for homework errors, and of padlocking the family's refrigerator and food cabinets to prevent the boy from eating, according to court records. The charges were dropped when Steele, an Army reservist at the time, agreed to give up custody of the boy.

Steele has been accused of nine violations of military law, including "aiding the enemy," related to the allegation that he passed an unmonitored cell phone to detainees. He is also accused of mishandling classified information and government funds, fraternizing with the daughter of a detainee, engaging in an inappropriate relationship with an interpreter and possessing pornography.

## WEATHER

### The Springtime Jet

By Roberto Rondanelli

STAFF METEOROLOGIST

Yesterday started off very cold and damp, however it quickly shifted to sunny weather and temperatures slightly above 70°F. If you are curious about the source of this springtime variability, at least part of it is due to the jet stream that is currently located over Boston. The jet acts as a guide for smaller scale perturbations that can potentially cause weather variations over a few hours. Also, since the jet stream in the upper atmosphere is concomitant with a large temperature gradient near the surface and lower atmosphere, to be close to the jet is also to be close to the boundary between the polar air masses and the tropical air masses. This is yet another source of variability since it provides the potential for rapid changes in temperature due to air crossing over either from the pole or from the equator side of the boundary.

The situation for the next few days will be quite variable, although the highs will remain above 50°F. Some time Wednesday morning we expect the rapid passage of a short wave that will bring cloudy skies and precipitation. Temperatures will remain on the cool side, with mostly clear skies on Thursday and Friday.

#### Extended Forecast

**Today:** Partly cloudy. Cloudiness increasing toward evening. High 65°F (18°C).  
**Tonight:** Mostly cloudy. Chance of precipitation after midnight. Low 43°F (6°C).

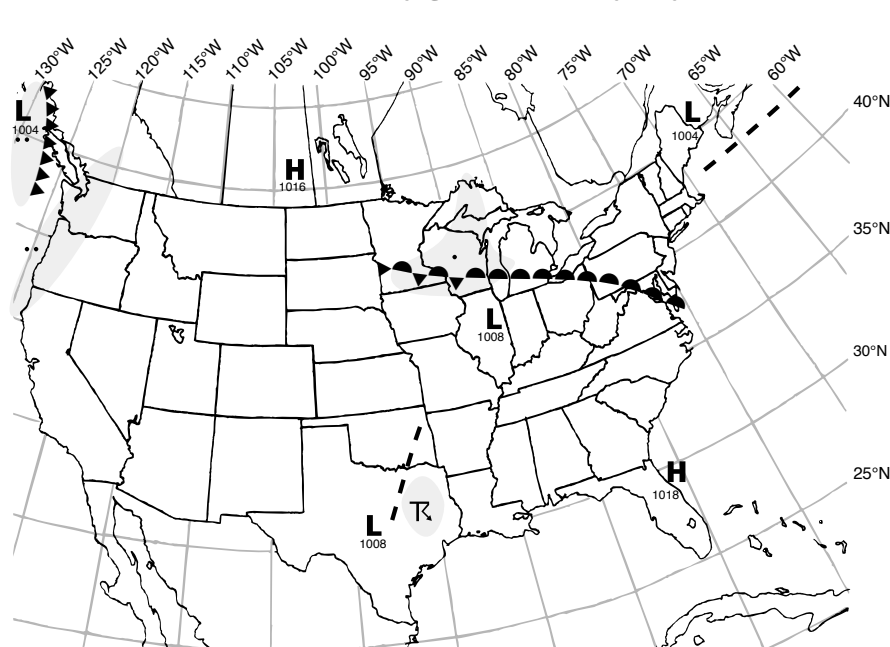
**Tomorrow:** Mostly cloudy in the morning. Chance of rain and areas of fog in the morning varying to partly cloudy late afternoon. High 54°F (12°C).

**Tomorrow night:** Mostly clear. Low 44°F (7°C).

**Thursday:** Mostly clear and pleasant. High 63°F (17°C).

**Friday:** Mostly clear. High 63°F (17°C).

### Situation for Noon Eastern Daylight Time, Tuesday, May 1, 2007



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	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

# Sunni Ministers Threaten to Quit Iraqi Government in Frustration

By **Alissa J. Rubin**  
THE NEW YORK TIMES

BAGHDAD, IRAQ

The largest bloc of Sunni Arabs in the Iraqi parliament threatened to withdraw its ministers from the Shiite-dominated cabinet Tuesday in frustration over the Iraq government's failure to deal with Sunni concerns.

President Bush stepped in to forestall the move, calling one of Iraq's two vice presidents, Tariq al-Hashimi, a Sunni Arab, and inviting him to Washington, according to al-Hashimi's office and the White House.

The bloc, known as the Iraqi Consensus Front and made up of three Sunni Arab parties, "has lost hope in rectifying the situation despite all of its sincere and serious efforts to do so," the statement said.

If the Sunni group follows through on its threat, it would further weaken a government already damaged by the mid-April pullout of six cabinet ministers aligned with the renegade Shiite cleric Muqtada al-Sadr and further erode American efforts to promote reconciliation between Sunnis and Shiites.

Also on Monday, the White

House expressed concern about a report in The Washington Post that aides to Prime Minister Nouri Kamal al-Maliki were involved in the arrests or removal of at least 16 army and police commanders, at least nine of whom are Sunni, who had been fighting Shiite militias.

"We're aware of the reports, we're concerned about them, and those are the kinds of things we do discuss with the Iraqis that will be a focus of conversations," said the White House spokesman, Tony Snow. But he added that the Maliki government has taken aggressive enforcement actions in Shiite neighborhoods in the past.

As the Sunni cabinet ministers were threatening to withdraw on Monday, bombs and mortars took the lives of at least 22 Iraqis. American and Iraqi soldiers stopped a three-pronged attack in Mosul by insurgents who struck at the main American military base, a police station and a provincial government center.

At least 104 U.S. troops lost their lives in hostile actions in Iraq in April, the highest of any month so far this year. Another 13 deaths among other allied forces have been reported,

making it the highest monthly death toll for all allied forces in more than two years. Military reporting typically lags at least 24 hours, so the final total for the month could be higher.

In his phone call with Bush, al-Hashimi "talked frankly about the faltering political process," the statement from his office said.

The White House, in a statement from the National Security Council, added that "they focused on the importance of additional steps in the reconciliation process and the need for all Iraqi parties to come together to overcome common challenges they face."

Gordon D. Johndroe, a White House spokesman, said that Bush had invited al-Hashimi to the White House, for what would be their second meeting there, as part of an ongoing dialogue with Iraq's highest ranking Sunni official.

If the Sunni bloc pulled its five ministers from the cabinet, it would be a stark reflection of the difficulty al-Maliki's government has had in mustering support from a broad spectrum of Iraqis. The Shiite ministers who walked out two weeks ago have yet to be replaced.

# Wal-Mart Violated Workers' Rights Over Labor Unions, Report Finds

By **Steven Greenhouse**  
THE NEW YORK TIMES

In its first study of how an American company treats its workers, Human Rights Watch asserted Monday that Wal-Mart's aggressive efforts to keep out labor unions often violated federal law and infringed on its workers' rights.

Human Rights Watch, which typically focuses on rights violations in Burundi, North Korea or other foreign countries, said that when Wal-Mart stores faced unionization drives, the company often broke the law by, for example, eavesdropping on workers, training surveillance cameras on them and firing those who favored unions.

"While many American companies use weak U.S. laws to stop workers from organizing, the retail giant stands out for the sheer magnitude and aggressiveness of its anti-union apparatus," the human rights group wrote.

Wal-Mart Stores has more than 1.3 million workers at its nearly 4,000 stores in the United States, and none of its workers belong to a union.

Wal-Mart, in response, vigorously defended its labor practices. David Tovar, a Wal-Mart spokesman, said

Wal-Mart provided an environment for open communications and gave its employees "every opportunity to express their ideas, comments and concerns."

"It is because of our efforts to foster such an environment that our associates have repeatedly rejected unionization attempts," he said.

Tovar said the report used unsubstantiated accusations from as long as seven years ago.

Two of the five organizing drives that the 219-page report examined took place in 2005, while the other three campaigns took place more than five years ago.

"Contrary to the allegations in this report, Wal-Mart respects our associates' right to a free and fair unionization vote," Tovar said. "We remain committed to compliance with U.S. laws regarding workers' right to unionize."

Carol Pier, a senior researcher at Human Rights Watch and author of the Wal-Mart report, said her organization decided to look specifically at Wal-Mart because of concerns about violations of labor laws.

"When the largest private em-

ployer in the United States seems to be able to violate U.S. labor law with virtual impunity, that's a very serious cause for concern, both with respect to its impact on its employees, but also on the conduct by other employers in the United States," Pier said in a telephone interview.

Wal-Mart called the study "pro-union." Pier said only \$50 of her organization's \$33 million budget came from labor unions.

Over the last few years, the main union for retail workers, the United Food and Commercial Workers, has suspended efforts to organize any Wal-Mart stores in the United States, largely because Wal-Mart's counteroffensive makes that so difficult, union officials said. Moreover, union officials said they could put more pressure on Wal-Mart by mounting a sophisticated publicity campaign to embarrass it over its wages, benefits and overall treatment of its employees.

For the most part, the unionization drives described in the report, at Wal-Marts in Kingman, Ariz.; Aiken, S.C.; New Castle, Pa.; and Loveland and Greeley, Colo., grew out of discontent over wages and health benefits.

# Interior Dept. Proposes Expansion of Oil and Gas Drilling Along U.S. Coasts

By **Edmund L. Andrews**  
THE NEW YORK TIMES

WASHINGTON

The Bush administration on Monday proposed leasing out millions of acres along the coasts of Alaska and Virginia to oil and gas drillers, a move that would end a longstanding ban on drilling in those environmentally sensitive areas.

Both areas have been closed to new drilling for many years. The areas off Virginia are still protected by laws that prohibit new drilling in all areas along the Atlantic and Pacific seaboard. But Congress lifted the prohibition on Alaska's Bristol Bay in 2003 and President Bush lifted an executive order in January that had blocked drilling there through 2012.

In the case of Virginia, administration officials are hoping to capitalize on interest in drilling expressed by the state legislature, which passed a bill last year asking the federal government to allow exploration for natural gas in waters 50 miles or farther from the state coastline.

Both proposals are part of a broader five-year plan to open up 48

million acres along the outer continental shelf to oil and gas drilling. Unless Congress objects within 60 days, most of the five-year plan will go into effect, though resistance has been voiced. Starting this year, the Interior Department plans to offer leases on about 8.3 million acres in the central region of the Gulf of Mexico, which Congress specifically approved for offshore drilling late last year.

But the Interior Department hopes to open up far more than that. It would offer leases on 37 million acres off the coast of Alaska, starting as early as 2008, in vast new areas in the Beaufort Sea, the Chukchi Sea and the Cook Inlet. None of those areas have been subject to a drilling ban, but none have been tapped before.

Starting in 2011, the Interior Department would also lease out 5.6 million acres in Bristol Bay along the Alaska peninsula — an area that Congress closed off after the Exxon-Valdez oil spill in 1989. If it can get approval from Congress, it would offer up three million acres off the

coast of Virginia, starting in 2012.

"The Outer Continental Shelf is a vital source of domestic oil and natural gas for America, especially in light of sharply rising energy prices," said Dirk Kempthorne, secretary of the interior.

But Democrats in Congress criticized the plans for Alaska and Virginia, and they are likely to extend the current ban on drilling off Virginia. Gov. Tim Kaine of Virginia, a Democrat, said he supported limited drilling for exploration but has refused to endorse production.

"Whatever pressing energy issue comes before the American people, the Bush administration always responds with the same oil answer: more oil," said Rep. Nick J. Rahall II, D-W. Va., and chairman of the House Natural Resources Committee.

The proposal includes measures to protect against damage to coastal areas from oil spills and other accidents. It would not allow drilling within 50 miles of the Virginia shore and would wall off an additional "obstruction zone" near the mouth of the Chesapeake Bay.

# Arctic Sea Ice Melting Faster, A Study Finds

By **Andrew C. Revkin**

THE NEW YORK TIMES

Climate scientists may have significantly underestimated the power of global warming from human-generated heat-trapping gases to shrink the cap of sea ice floating on the Arctic Ocean, according to a new study of polar trends.

The study, published online Tuesday in Geophysical Research Letters, concluded that an open-water Arctic in summers could be more likely in this century than had been estimated in the latest international review of climate research released in February by the U.N. Intergovernmental Panel on Climate Change.

"There are huge changes going on," said Julienne Stroeve, a lead author of the new study and a researcher at the National Snow and Ice Data Center in Boulder, Colo. "Just with warm waters entering the Arctic, combined with warming air temperatures, this is wreaking havoc on the sea ice, really."

The intergovernmental panel concluded that if emissions of heat-trapping gases like carbon dioxide were not significantly reduced, the region could be end up bereft of floating ice in summers sometime between 2050 and the early decades of the next century.

# U.S. Says Raids Killed Taliban; Afghans Say Civilians Died

By **Abdul Waheed Wafa**

THE NEW YORK TIMES

KABUL, AFGHANISTAN

U.S. Special Forces said they killed more than 130 Taliban in two recent days of heavy fighting in a valley in western Afghanistan, but hundreds of angry villagers protested in nearby Shindand on Monday, saying dozens of civilians had been killed when the Americans called in airstrikes.

The protesters sacked and burned government buildings, said Noor Khan Nekzad, a spokesman for the provincial police. He said none of the demonstrators were injured, but news reports said a number of protesters were hurt as the police and the army moved in to subdue the crowd.

The American military said the fighting against the Taliban occurred Friday and Sunday in the Zerkoh Valley, near the Iranian border about 30 miles south of the city of Herat, and that the Special Forces called in airstrikes on at least two occasions. An American soldier was killed in the fighting Friday, the military said, but there were no other reported casualties on the coalition side.

Forty-nine Taliban fighters, including two leaders of the group, were killed in the first bombardment Friday, and 87 militants were killed in bombing during a second battle Sunday that raged for 14 hours, the military said in a statement from the U.S.-led coalition headquarters at the Bagram air base.

# 34 Duke Business Students Face Discipline For Cheating

By **Alan Finder**

THE NEW YORK TIMES

Thirty-four first-year business graduate students at Duke University cheated on a take-home final exam, a judicial board has found, in what officials called the most widespread cheating episode in the business school's history.

The final was an open-book test in a required course in March, with students told to take the exam on their own. But many students collaborated, in violation of the school's honor code, according to a ruling last week by the judicial board of the Fuqua School of Business at Duke.

School officials declined to identify the course, the professor or the students, citing confidentiality in judicial board matters. But they indicated that the professor had noticed similarities in the answers by the students, who are candidates for a master's degree in business administration.

Nine of the students face expulsion, according to the ruling, which was distributed within the business school on Friday. Fifteen students were suspended for a year and given a failing grade in the course, nine were given a failing grade in the course, and one got a failing grade on the exam. Four students accused of cheating were exonerated.

The students are likely to appeal and are permitted to attend classes while awaiting decisions, which are expected over the next month.

In general, fewer than 10 students a year at the business school are found guilty of cheating, and in some years no accusations are brought to the judicial board, said Michael Hemmerich, associate dean for marketing and communications at the business school.

# Washington Wants to Know: Who's on the Madam's List?

By **Neil A. Lewis**

THE NEW YORK TIMES

WASHINGTON

The woman who faces charges of running a prostitution ring in Washington that serviced the prominent and powerful said Monday that she intended to force many of those clients to testify in her behalf.

Deborah Jeane Palfrey is offering a simple defense to government charges that the escort service she ran for 13 years by telephone from her home in California was actually a straightforward prostitution business.

Although she promoted her business as a legal "high-end erotic fantasy service," she said it was not intended as an exchange of sex for money. She told reporters Monday that her former clients, reported to include a Bush administration economics official and the head of a conservative research group, among others, should confirm that when they are called to testify.

If any sexual activity occurred, she said, it was not authorized or intended by her but undertaken independently by her female subcontractors and male clients "who disobeyed my directives, their signed contracts and participated in illegal behavior."

In other words, she is stunned at allegations that sexual activity had taken place between the women who worked for her and the men who paid them about \$300 for 90 minutes of whatever.

# OPINION



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## Corrections

The April 27 article "Admissions Dean Resigns After Lying on Résumé" should have reported that former Dean of Admissions Marilee Jones was confronted about the facts of her educational background on Monday, April 23, not on Monday, April 20.

The movie *21* wrapped up in Boston on April 27, not in Las Vegas, as "MIT Alumni Inspire New Movie" incorrectly reported. The author of the book that inspired the movie was misspelled as Mezich; the correct spelling is Mezrich.

Preeya S. Phadnis is a member of the Class of 2009. She was incorrectly identified as Preeya S. Phadnis '08 in the April 27 article "More Students May Return Early This Fall."

## Letters To The Editor

### Why the Need For Public Humiliation?

The Institute's abrupt and highly publicized dismissal of Marilee Jones, MIT's dean of admissions, was a disgrace. Yes, apparently 28 years ago Dean Jones made a serious mistake when she misrepresented her educational credentials. But look at her record of accomplishment while at MIT. She has won numerous awards and been recognized as a national leader in the undergraduate admissions process. Several years ago I had the pleasure of working closely with her in helping to evaluate applications to the freshman class. She was dedicated, tireless, professional, and compassionate. As far as I know, no one has ever criticized her as being unqualified. In fact, her many accolades testify to the reverse. The MIT process of harsh and sudden termination has zeroed out everything Marilee has done in a 28-year MIT career. And it has resulted in frenetic media coverage in local, national, and international news. For most "crimes," the statute of limitations is far less than 28 years. Was Jones' "crime" equivalent to a felony having no statute of limitations? Was it impossible for the MIT administration to negotiate a quiet private resignation of Dean Jones? Why the need for public humiliation? Where is the compassion that I have always attributed to the MIT family? Despite 46 years here (as student and faculty member), today I feel estranged from a community that could treat one of its own with such cruelty.

Richard C. Larson, Professor  
Engineering Systems Division  
Department of Civil and Environmental  
Engineering

### MIT Should Be Held Accountable

I was astounded, just as many members of the Community were, to learn Thursday morning of Dean Marilee Jones' resignation. Yet however shocking it was to find out that she had lied about her academic background, I am left aghast at how a scandal like this could happen at MIT. Jones was wrong in lying and in hiding the truth for so long, but I find it very hard to believe that the administration was ignorant of this fact for so many years. Why did it take an anonymous phone call to the Dean of Undergraduate Education for this information to be known? Was Jones' background not investigated when she applied to be Dean of Admissions ten years ago?

Daniel J. Wendel G

### Abortion Argument Not One-Sided

In objecting to a recent editorial cartoon regarding the Supreme Court's 5-4 decision upholding a Congressional ban on so-called

"partial birth abortion," Micah Green G writes in to ask whether anyone can possibly conceive a medically and ethically justifiable rationale for this practice. It seems to me that roughly 45 percent of Supreme Court justices can. Or, as they say in the toothpaste world, four out of nine justices prefer that a doctor, and not a congressman, determine what medical procedure is the safest and most appropriate in the estimated 0.2 percent of abortions that are carried out late in pregnancy.

Milan A. de Vries G

### Institute Owes Apology Regarding Sudan Action

MIT has a problem: the Sudanese government is conducting a genocide, and MIT is helping to fund it. MIT has another problem, too: it has ignored an overwhelming divestment mandate from the MIT community. Both the Undergraduate Association and the Graduate Student Council have voted in support of "targeted divestment" from companies who directly fund and work with the Sudanese government. Five hundred members of the MIT community have signed a similar petition.

Adding insult to injury, it seems the MIT Corporation and administration have set out to ensure that the MIT community is too ill-informed to bring pressure to bear on the school. According to *Tech* reporting, they've declined to tell us how heavily we're invested in Sudan. They've stonewalled students trying to ascertain what's happening in the divestment decision-making process.

And last week, they stopped a student from handing out a fact sheet about the firm that handles MIT's investments. (In a twist that reveals the administration's illogical and self-serving response to the need for information, the student was told he could have pursued an "unadvertised option" to request special permission to hand out flyers.)

These assaults on information are inexcusable, particularly at an institution built on principles of scientific investigation and reporting. The Institute owes the divestment organizers an apology — and a forum, and answers. We must have information about the extent of our investments in Sudan and the principles on which our investments are made. The student organizers who are leading us on the divestment issue must be allowed to disseminate information — no easy task in a university with no mechanism for discussing institutional issues — and not subjected to heavy-handed restrictions on speech in our community spaces.

We must also have action. The daily reports from Darfur make divestment urgent and obvious. Most universities that are peers of MIT have already divested in response to student demands. We are shamefully, appallingly, not taking a simple step to intervene in genocide.

Elizabeth Clay G  
Emmaia Gelman G  
Lillian C. Lew-Hailer G  
Ted E. Schwartzberg G  
Anne Schwieger G



### Opinion Policy

**Editorials** are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Michael McGraw-Herdeg, Editor in Chief Marie Y. Thibault, Managing Editor Austin Chu, Executive Editor Rosa Cao, and Opinion Editors Barun Singh and Aditya Kohli.

**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](mailto: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.

**Guest columns** are opinion articles submitted by members of the MIT or local community and have the author's name in italics. Columns without italics are written by *Tech* staff.

### 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](mailto:general@the-tech.mit.edu), and it will be directed to the appropriate person. You can reach the editor in chief by e-mailing [eic@the-tech.mit.edu](mailto:eic@the-tech.mit.edu). Please send press releases, requests for coverage, and information about errors that call for correction to [news@the-tech.mit.edu](mailto:news@the-tech.mit.edu). Letters to the editor should be sent to [letters@the-tech.mit.edu](mailto:letters@the-tech.mit.edu). The *Tech* can be found on the World Wide Web at <http://www-tech.mit.edu>.

May 1, 2007

# COMICS

The Tech

# FUN

Page 5

# PAGES

by Benjamin P. Gleitzman

This  
Just  
In!  
Drop Date...

To Add Subjects (Instructor signature required after first week of classes. Signature required even in the first week for lettered subjects.)

Subject Number	Units	Check One
Rensselaer 15		<input type="checkbox"/> Credit/Grade <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Special Status PDP
Instructor Signature: <i>M. J. Light</i>		
Union College 12		<input type="checkbox"/> Credit/Grade <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Special Status PDP
Instructor Signature: <i>Joseph A. Walker</i>		
Albany Med. 12		<input type="checkbox"/> Credit/Grade <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Special Status PDP
Instructor Signature: <i>Rajendra Kumar</i>		



Registration Correction Form (Add/Drop/Change)

Jones, Marilee

MIT ID Number: 905011997

To Drop Subjects (Provide the Date Last Attended or check the Never Attended box.)

Subject Number	Date Last Attended Subject	Never Attended Subject
Dean	04 / 23 / 07 Month Day Year	<input type="checkbox"/>
	Month Day Year	<input type="checkbox"/>
	Month Day Year	<input type="checkbox"/>

## Doonesbury

BY GARRY TRUDEAU

Doonesbury Flashbacks

Doonesbury Flashbacks

## Dilbert® by Scott Adams

### Crossword Puzzle

Solution, page 10

#### ACROSS

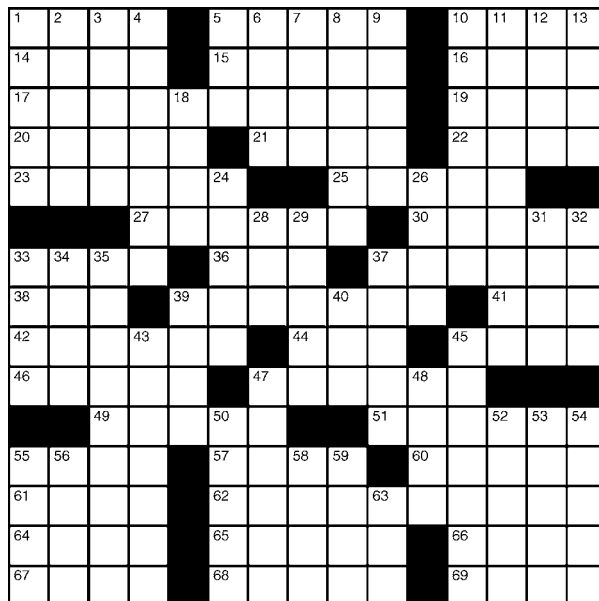
- 1 Q-Tip, for one
- 5 Loaf or roll
- 10 Males-only
- 14 Carry on
- 15 Usher's route
- 16 Jewish wedding dance
- 17 Lump in the throat?
- 19 Mimicker
- 20 Same here
- 21 Ogler
- 22 Skier's ride
- 23 High standards
- 25 Convicted Helmsley
- 27 Heed
- 30 Word with code or colony
- 33 Cotillion attendees, for short
- 36 Cry of delight
- 37 Make bubbly
- 38 Off one's feed
- 39 Like the

- theme of this puzzle
- 41 Discouraging words
- 42 Narrowly
- 44 \_\_ Gatos, CA
- 45 Labyrinth
- 46 Hiawatha's craft
- 47 Champagne cocktail
- 49 Civil War anthem
- 51 Implores
- 55 Tacks on
- 57 Pitch symbol
- 60 Profoundly disturbing
- 61 Cop's route
- 62 "Monster's Ball" star
- 64 After the bell
- 65 TV studio sign
- 66 Tender
- 67 First garden
- 68 Easy wins
- 69 Old Russian VIP

#### DOWN

- 1 Madras

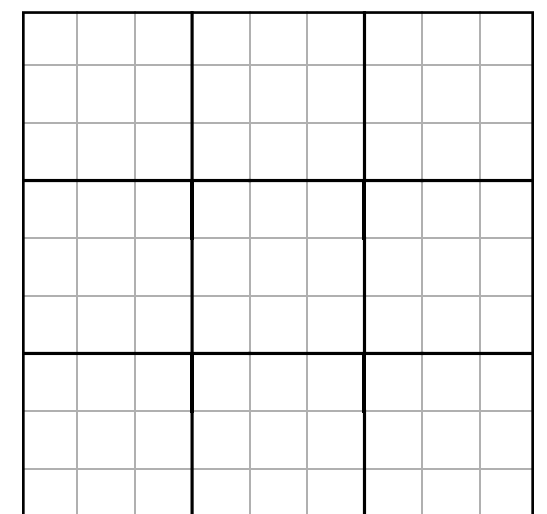
- mystic
- 2 Walked in shallow water
- 3 Playing marble
- 4 Grieves over
- 5 Cote call
- 6 Ready to pluck
- 7 Catch sight of
- 8 One member of a gene pair
- 9 Big name in tractors
- 10 "Star Trek" star
- 11 Kingpin
- 12 Land measurement
- 13 Actress Teri flight
- 18 Like Earhart's
- 24 Building level
- 26 Columnists' pg.
- 28 Promise-to-pay letters
- 29 Bean-based dish
- 31 The gamut
- 32 \_\_majesty



- 33 Kind of jockey
- 34 Ms. Fitzgerald
- 35 Unknown social partner
- 37 Noted moralist
- 39 Show off one's muscles
- 40 Mister turkey
- 43 Humidify
- 45 Inflatable life jacket
- 47 Very dark: pref.
- 48 Weighty block
- 50 Blood of the gods
- 52 Bushy hairdos
- 53 Egyptian corn
- 54 More cunning
- 55 Up for the job
- 56 Without vitality
- 58 NFL kicker Jason
- 59 Coin toss
- 63 Critical-care ctrs.

## su | do | ku

© Puzzles by Pappocom



Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9. Solution, tips, and computer program at <http://www.sudoku.com>; see also solution, page 10.

# CAMPUS LIFE

## Scott's Travels

### Under Siege on Bogdkhan Uul

By Scott Berdahl

STAFF COLUMNIST

MIT undergraduate Scott Berdahl spent a year traveling the world to see what all the fuss was about. Over seven months, he traveled from Moscow to Delhi by train, bus, horseback, and on foot, having his share of adventure along the way.

It was the middle of the night. I was sitting up, awake in my tent after having fended off an intruder with a solid kick through the front flap. I listened nervously; the unearthly howls that had echoed through the forest had long since faded away to the sound of the breeze rushing up the side of Bogdkhan Uul Mountain and through the needles of its trees. I thought briefly about heading back to Ulaanbaatar, but it was miles away through the pitch black forest filled with these ... things. After that, getting through the outskirts of Mongolia's capital city at this hour would be no picnic either.

A sound caught my attention, something different from the wind. Sort of a whoosh — BAM! Something hit my tent, bowing the poles to the ground and tearing a hole through the fabric. I

sat for a second, stunned, and then got my head about me. I was okay. Then another whoosh — BAM! Yelling wildly, I grabbed my flashlight and pocketknife and jumped out the door, ready for a fight. Nothing was there. I looked around and strained my ears for the slightest shuffle of leaves or snap of a twig, but again, only the wind was to be heard.

For lack of a better plan, I returned at last to my tent. I could only hope that whatever was out there had gotten its revenge and would be satisfied with what it had done. Whoosh — BAM! No such luck. This time I was out of the tent by the time the second projectile, a large stump of sorts, came whooshing through the air. It impacted the ground next to the tent and rolled harmlessly to a stop. Turning my flashlight uphill, I saw the surprised expression of a small boy, caught momentarily like a deer in headlights. He dropped the rock in his hand and began running frantically down the mountainside, past me, past the tent, crashing off into the night long after I'd lost sight of him with the flashlight.

He was gone, if only for the time being. I looked back at the tent, a torn mess buckling

down now under the pressure of the rising wind. I knew I couldn't stay, so I packed the tent as best I could and headed off through the woods. Gaining the summit of a small ridge, I found the Buddhist monument I'd seen the night before, and I wrapped myself in my tarp before lying down in the dirt near its base for some sleep. Perhaps I'd be safe there.

I awoke again, this time shivering violently. It was still dark, but now it was pouring and the rain had infiltrated my tarpaulin cocoon. For warmth, I packed once more and started walking down the mountain and towards the city, my flashlight off so as not to draw any attention to myself. I left what food I had on a stump near the monument, hoping that the boy or another one of the mountain children might make use of it in the morning. After a few hours of blindly stumbling through the forest and slipping on the wet roots of trees that sprawled out through the rocky ground, the sky turned gray, and I carefully picked my way through the sleeping outskirts of Ulaanbaatar.

It was light out by the time I met Will at the market. We arrived early in hopes of securing a

spot in one of the private vehicles leaving from there to Tsetsterleg, the next town to the west, where we were hoping to buy horses. Will was grinning ear to ear. "You wouldn't believe the night that I had," he began. Apparently, after we had gone our separate ways the day before, he'd met a beautiful Mongolian woman, the daughter of a wealthy copper mining tycoon, and they'd fallen strongly for one another. After an evening spent in luxury, he now had her phone number and her promises to meet again after he returned from our equestrian odyssey.

After spilling all this, Will looked around the parking lot at the vehicles headed to various towns across the county. He then turned back to me. "How'd your night go?"

"Well," I replied, somewhat hesitantly, "have you ever been in a knife fight with a twelve year old?"

"What?"

"Oh, no, well me neither technically, I guess." I paused and spotted an old Soviet van with the Cyrillic text for Tsetsterleg written on a sheet of paper hanging inside the windshield. "My tent has a hole in it now though."

Call SIPB with  
questions at x3-7788!

## Ask SIPB

Drop by our office  
in W20-557!

#### By The Student Information Processing Board (SIPB)

Ever wondered how you can get to your files from any Athena computer? How lockers work? How you can share files with your friends? In today's issue of Ask SIPB, we'll cover these questions and more.

#### What is AFS?

AFS, formerly known as the Andrew File System (a Carnegie Mellon University development, named after Andrew Carnegie and Andrew Mellon), is a networked, distributed file system with several convenient features. It's available for most platforms used today, including Windows, Mac OS X, Linux, and Solaris. AFS allows you to access your files from anywhere in the world, on any computer with AFS installed, using a globally-unique AFS path — somewhat like a URL on the Web. It also lets you easily allow other people to have limited or full access to your files.

#### How can I use it?

You already use AFS when you use any Athena workstation, including the WinAthena and MacAthena computers. Your home directory and all lockers are stored in AFS, which is how you can use the same files and software from all computers. You can also install AFS on your own computer. Many people use this to access their Athena home directory or run locker software on their own computer, to simplify transferring files and avoid installing software. The basic procedure is installing MIT Kerberos and then OpenAFS (both available as free downloads from the Web). Complete setup instructions are on our Web site at <http://www.mit.edu/~asksipb/>.

#### How can I see who has access to my files?

The ability to easily give other users access to your files is one of the major advantages of AFS. There are two commands you'll need to use to modify the Access Control Lists (ACLs) on your files: "fs la" (filesystem list ACL) and "fs sa" (filesystem set ACL).

For example, I can run the commands:

```
athena% attach asksipb
athena% fs la /mit/asksipb
```

Access list for /mit/asksipb is

```
Normal rights:
system:asksipb rlidwk
system:gsipb rlidwka
system:anyuser rl
```

This means that anyone on the "asksipb" and "gsipb" moira lists have read/write access to the asksipb locker, and "system:anyuser" — a special name that refers to anyone with AFS installed — can read from the locker. (Another special name is "system:authuser", which refers to people logged in to MIT's AFS servers.)

#### How can I give other people access?

You would use the command "fs sa <location> <user> <access>", for example:

```
athena% cd /mit/asksipb
athena% fs sa . geofft rl
athena% fs la
```

Normal rights:

```
system:asksipb rlidwk
system:gsipb rlidwka
system:anyuser rl
geofft rl
```

You can use a username to give them access, or "system:" followed by a moira list to give the entire list access. Note that this requires the list to be an (AFS) group: you can check this by running "blanche <listname> -i", and enable this by running "blanche <listname> -G".

There are seven types of access: Read, List files, Insert, Delete, Write, locK, and Admin. Although these can be set separately, in most cases "rl", "rlidwk", and "rlidwka" are the only useful combinations. These have the aliases "read", "write", and "all". (Note that Admin access is required to change the ACL.)

#### How can I give someone outside MIT access?

If you want everyone outside MIT to be able to access your files, you just need to give system:anyuser access. They can then get to your files from the web by adding the full AFS path to [web.mit.edu](http://web.mit.edu), or if it's within a locker, by just giving

the locker name after [web.mit.edu](http://web.mit.edu). (For example, Ask SIPB is available from <http://web.mit.edu/afs/sipb.mit.edu/project/asksipb/www/>, as well as <http://web.mit.edu/asksipb/www/>). Of course, they can also just install OpenAFS.

If you want to restrict to certain people outside MIT, such as with a password, this is a little more difficult — AFS itself can't give access to someone without an AFS account. You can make read access work with SIPB's web servers, although this will not work for write access. Full instructions are available from <http://stuff.mit.edu/faq/password.html>.

One way to accomplish something similar to write access is to use [scripts.mit.edu](http://scripts.mit.edu) to install MediaWiki or Gallery2, and configure the settings of your new Web site to allow certain logged-in users to upload files.

#### How do I tell how much of my quota I've used?

The command "fs lq" (short for "fs listquota") will tell you how much of the quota in the current volume is used. If you want to see how much of your own AFS volume (your home directory and subfolders) has been used, run "fs lq ~" — the tilde is a special symbol in Unix that refers to your home directory.

If you're running low on quota, you can contact User Accounts ([accounts@mit.edu](mailto:accounts@mit.edu)), or visit the nice folks in N42) and ask for an increase. By default, your quota is 1 GB, but it can easily be increased to 2 GB, and with good cause up to 3 GB. They are also willing to create lockers for academic purposes for ASA-recognized student groups, and for installing software, so that you don't have to keep files in your personal locker.

#### Where can I get more information about AFS?

The OLC stock answers (from [web.mit.edu/answers/](http://web.mit.edu/answers/), or via "olc answers" at an Athena prompt) has a section on AFS. SIPB also has the document "Inessential AFS" available from our Web site at [web.mit.edu/afs/sipb.mit.edu/project/doc/afs/html/afs-new.html](http://web.mit.edu/afs/sipb.mit.edu/project/doc/afs/html/afs-new.html), as well as from our office.

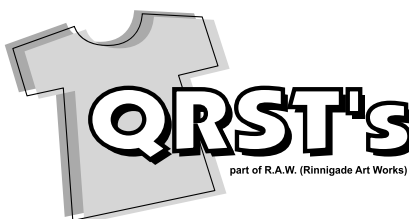
To ask us a question about anything related to computing at MIT, send email to [sipb@mit.edu](mailto:sipb@mit.edu). You can also stop by our office in W20-557 or call us at x3-7788 if you need help. Copies of each column and pointers to additional information are posted on our Web site: <http://www.mit.edu/~asksipb/>

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# How You Doin'

## Introducing SHAC

By Seema Kacker

Are you interested in health on campus? Interested in medicine in general? Well, so are we! We're the Student Health Advisory Committee, or SHAC, and this is the first of our bi-monthly columns that will focus on the health issues you care about.

Who are we? SHAC is a student group on campus that works closely with MIT Medical to promote a greater awareness of various health issues important to the MIT campus.

**What do we want to do with this column?**

— Address specific health concerns and questions within the campus community. How effective is an annual flu vaccine? What is a healthy weight? How often should I see a general internist? What should I do to help a depressed friend?

— Provide information on coverage under MIT's student health insurance plans at MIT Medical. What's covered? What's not? What are the differences between the various insurance options?

— Explain how to use MIT Medical services. How do I schedule an optometry appointment at MIT Medical? Do students need to have a primary care physician? If I also have other insurance coverage, how can I transfer relevant medical information to healthcare providers here?

— Provide a forum for discussion between students and MIT Medical regarding health care on campus. This would include student opinion pieces on MIT Medical's policies and services and interviews with administrators and health care providers.

— In addition to these goals, we hope to help students get to know MIT Medical staff and healthcare providers on a more personal level, keep the student body informed of upcoming health-related events and opportunities, and promote student involvement in campus health.

**Test your health knowledge right now with this quick quiz!**

1. True or False: Gardasil, the HPV vaccine, is covered as an immunization for female students enrolled in the MIT Student Extended Insurance Plan.
2. Who should I contact if I have concerns or questions about my experience at MIT Medical?
3. Once I file a request to get a copy of my medical record mailed to me, how long do I have to wait to receive it?
4. What is the main idea of the proposal for universal health coverage in Massachusetts?
5. How significant a problem is the lack of health insurance in America?

**How did you do?**

1. True! Since January 1, 2007, Gardasil has

been covered as an immunization for females older than nine who are enrolled in the Student Extended Insurance Plan or Affiliate Extended Insurance Plan. Like other immunizations covered under these plans, members are required to pay a \$20 co-payment per injection. Gardasil requires three doses of the vaccine to be effective, so the total co-payment amount for the entire three-dose series is \$60.

2. Patients should feel free to communicate directly with their clinician or other care provider regarding any concerns. However, patients can also discuss concerns with a third party, through MIT Medical's patient advocate program. The program is designed to help patients resolve any issues that emerge in their interactions with MIT Medical. More information on the patient advocate is available online at <http://web.mit.edu/medical/g-advocate.html>.

3. Following review of your request, copies of your record will be mailed to you within 30 days. To get a copy of your medical records, you must complete and sign the "Authorization for Disclosure of Patient Health Care and Information" form (available as a PDF at <http://web.mit.edu/medical/pdf/mr5007.pdf>), and then follow the directions on the form to fax or mail it to the Medical Records Service. There may be a fee for release of your medical record.

4. The Massachusetts plan for universal

health coverage would make it possible for about 99 percent of the state's adult population to have some kind of health insurance, significantly lowering the current uninsured population. Under the proposal, most residents will be required to enroll in a health insurance plan or face fines or tax penalties. The plan uses a sliding scale based on income to set limits on the premiums people would have to pay for coverage and increases state subsidies. The proposal would cost the state approximately \$213 million.

5. There are more than 46.1 million uninsured people in America today, and this number has been growing since 2000 due to a decline in employer-sponsored insurance. More than two-thirds of these uninsured Americans can be classified as "low-income," and 80 percent are from working families. Uninsured individuals are more likely than insured people to delay seeking medical care, and these delays result in sicker patients and costly, but often preventable, hospitalizations and treatments.

Sources: MIT Medical, <http://web.mit.edu/medical> and the Kaiser Commission on Medicaid and the Uninsured, Kaiser Family Foundation, <http://www.kff.org/uninsured/>.

We want to hear from you! If you have any health- or health care-related questions you would like to see answered, just send us an e-mail at [askshac@mit.edu](mailto:askshac@mit.edu).

**6.Insight** **EECS Seminar Series**  
 accessible to anyone in Course VI  
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**"Working at the Interface of Engineering and the Life Sciences (literally)"**

Speaker: Rumi Chunara, MIT

May 1, 2007 5:30-6:30 pm  
 Room 34-401B

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 dinner to follow

[web.mit.edu/eecsgsa/6insight/](http://web.mit.edu/eecsgsa/6insight/) 6insight@mit.edu

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- The Power of Women in Sales
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# Coop Student Board Election

The following student Coop members are candidates for the  
Coop Board of Directors for the 2007-08 academic year.

#### M.I.T. UNDERGRADUATE AND GRADUATE STUDENTS:

Alexander St. Claire 2008  
Rebecca Oman 2008  
Karlen Ruleman 2008  
Kevin Castelo MIT Sloan 2008

#### HARVARD UNDERGRADUATE STUDENTS:

Jenny Tea 2008      Maggie Hsu 2008  
Ronald Anguas 2008      Tim Smith 2008  
Pierpaolo Barbieri 2009

#### HARVARD GRADUATE STUDENTS:

Lulu Wang GSAS 2011      Jodi Beggs HBS 2008  
Dan Bachner HLS 2008      Manas Kausik HSPH 2008

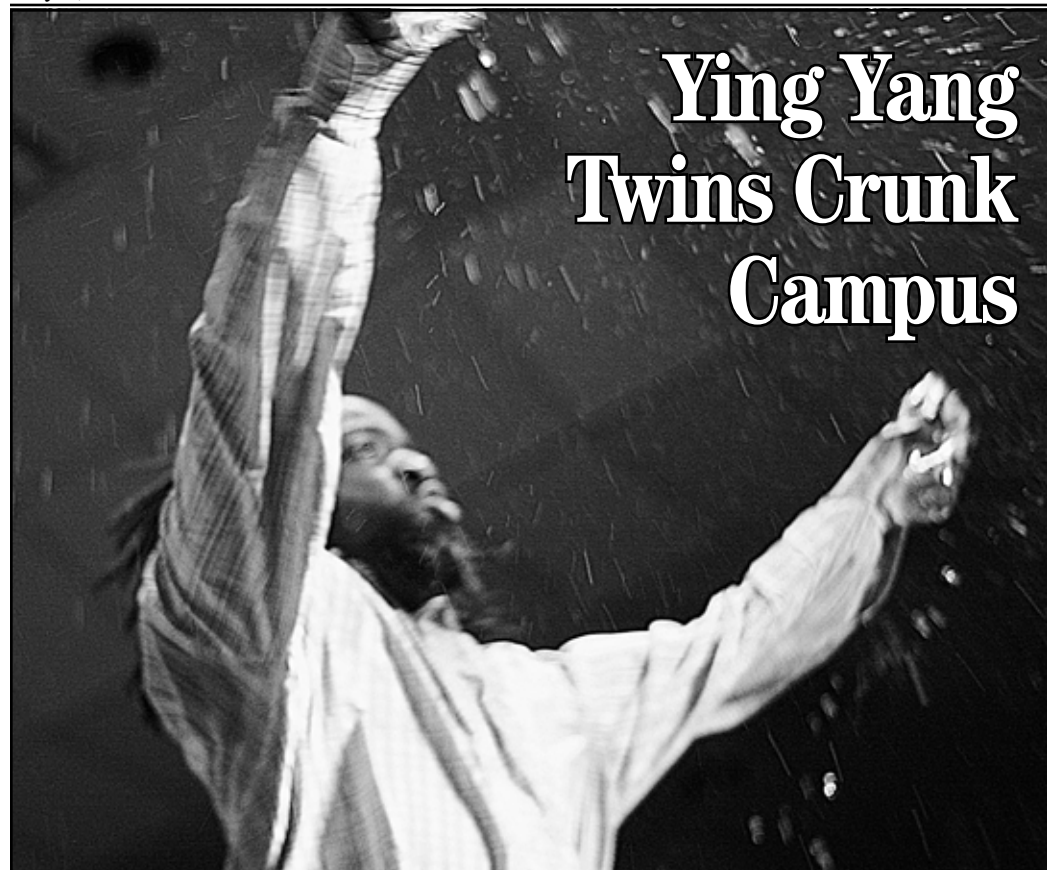


[HTTP://www.thecoop.com](http://www.thecoop.com)

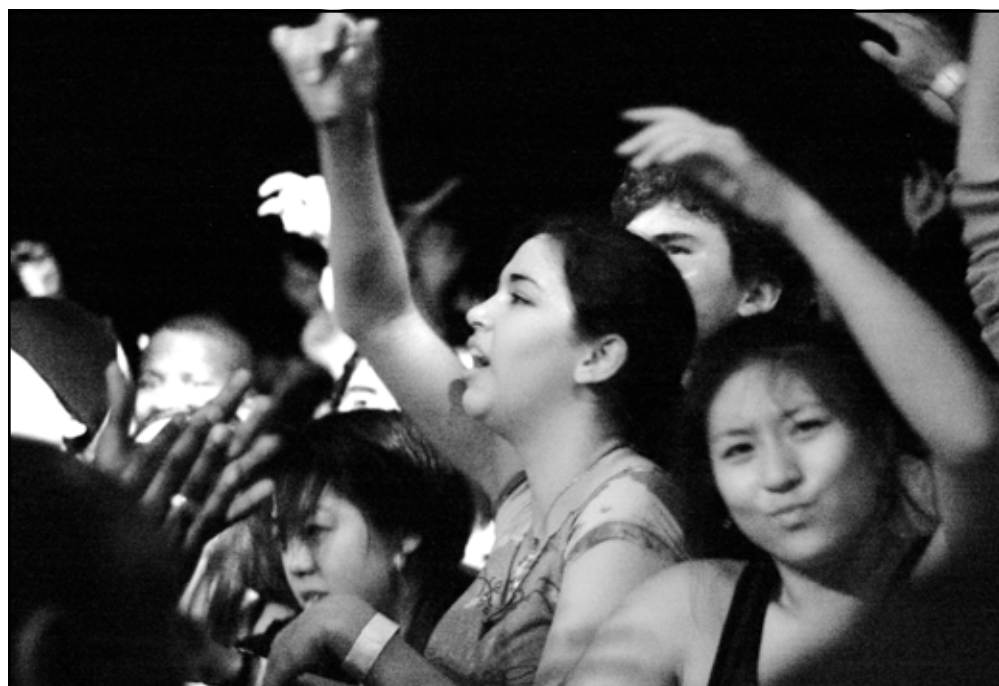
Voting period, April 25 to May 4

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# Ying Yang Twins Crunk Campus



The Ying Yang Twins performed in Johnson Athletic Center on Friday, April 27, as the main act following Ozomatli in the annual Spring Weekend concert. (Clockwise from top left)

The Ying Yang Twins' D-Roc flings water over the crowd.

Ozomatli's Jabu sings to the crowd.

The Ying Yang Twins' Kaine talks with DJ Scientist while D-Roc takes a quick break.

The audience gets down with the Ying Yang Twins.

Ozomatli leads a conga line through the crowd in Johnson.

The Ying Yang Twins' D-Roc hollers out to the crowd.

The Ying Yang Twins' Kaine sings "Get Low," a song the duo recorded with the "King of Crunk," Lil Jon.

Photography by Brian Hemond

### UA Elections Results

The following officers were elected by the Undergraduate Association Council during a UA meeting on Monday, April 23.

Senate Speaker	Irina Shklyar '09
Vice Chair	Jason C. Forte '09
Senate Representative To UA Finance Board	Michael A. Bennie '10
Senate Representative To Executive Committee	Steven M. Kelch '08
Treasurer	Not approved as of press time
Secretary General	Alice A. Chiang '08
Undergraduate Representative To UA Finance Board	Cokie Hu '08*, Randall C. Shults '10

\* also Tech business manager

SOURCE: RUTH MILLER '07

# Mars Team Sensor May Detect Gene Fragments Crucial For Life

Mars, from Page 1

payoff — and will eventually present NASA with a difficult philosophical decision.

"I admire the ideas," said Andrew Knoll, a professor of natural history at Harvard University who is involved with Mars exploration. "But the opportunities to actually land on Mars over the next 20 years appear to be limited, and there is going to be a lot of competition to fly."

The allure of the project has attracted a high-profile team of scientific talent. Ruvkun, a professor at Harvard Medical School and Massachusetts General Hospital, is a highly respected geneticist. One active team member is Maria Zuber, head of MIT's department of earth, atmosphere, and planetary sciences and considered one of the world's top designers of scientific instruments for space exploration. Also involved is Nobel Prize winner Walter Gilbert, a professor of biology at Harvard, and a number of other leading figures.

The project's prospects depend on a bit of deep history. About 4 billion years ago the planets experienced a period of intense bombardment. Meteors came crashing down to the surface, ejecting more rocks

into space, some of which came crashing down onto other planets. Life on Earth appeared very quickly after the bombardment — too fast, Ruvkun believes, to have evolved on its own.

The bombardment, Ruvkun believes, could have brought life to Earth from somewhere else. And if life on earth came from somewhere else, then perhaps it also came to Mars from "the same somewhere else," Ruvkun says.

Martian rocks have been found on earth, and an analysis of one of them revealed that portions of its core never experienced superheating as it fell to earth, showing that meteors could be viable shuttles for life. At the same time, research has shown that there are microbes that have adapted to almost unbelievably extreme environments — including the radioactive cores used on nuclear power plants and the hot, crushing depths of deep-sea ocean vents. Astronauts on the Apollo 12 mission found microorganisms that survived for years in the camera of a craft sent to

the moon's surface.

The team is building a sensor that uses PCR, a technique that allows for the detection of incredibly minute quantities of DNA, to look for portions of two genes that have been found in all life whose genes have been sequenced. They play a crucial role in assembling protein, a central function in living things. If life on Mars has a common origin with life on Earth, Ruvkun reasons, then it will probably share these genes.

Still, the idea is a gamble — a "jackpot experiment," as Ruvkun calls it. It would yield a positive result only if there were life on Mars

*Life on Earth appeared very quickly ... too fast, Ruvkun believes, to have evolved on its own.*

that is related to life on earth. This has brought some skepticism among other scientists, who argue that it does not make sense to look for DNA before testing for more general signs of life.

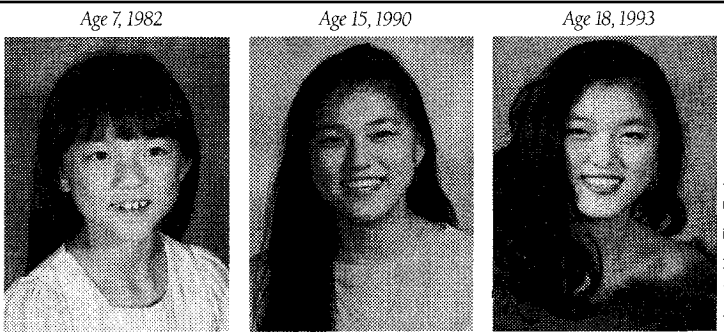
"It would not be my first choice," Norman R. Pace, a biologist at the University of Colorado, Boulder, said in an e-mail. Pace specializes in using DNA techniques to find microorganisms.

Building such a device will be a tremendous challenge: Space, power, and weight all come at an extreme premium on space missions. It will be especially challenging, Zuber said, to ensure that fluids inside the device flow reliably — a requirement for PCR to function — even though it is operating in the extreme Martian environment. The team is still far from having a device ready for flight and has not been approved for flight by NASA, Zuber and Ruvkun said.

An even bigger issue, Ruvkun said, is overcoming the risk of contamination — that the team will find microbes that hitched a ride aboard the same Mars lander that brought the experiment. The team is working on a number of engineering solutions to the problem, but there is also a biological answer. If the team finds DNA, they could compare it to the same two genes found in earthbound organisms. This would allow them to place the new DNA in the family tree of life. If it appears closely related to something on Earth, then it's probably contamination, but if it appears to be a distant cousin, then the history of life will have to be rewritten.

Many scientists doubt that there is anything currently living in the harsh Martian environment. But Ruvkun does not count himself among the pessimists.

"Never bet against life," he said.



Elizabeth Suto.

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U.S. Department of Transportation



## economics in the public eye

Wednesday, May 2  
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dessert reception to follow  
Questions? uea-officers@mit.edu

The New York Times  
economist/columnist

# david leonhardt

### Solution to Sudoku

from page 5

1	2	3	4	5	6	7	8	9
4	8	3	9	6	5	2	7	1
9	6	1	2	3	4	5	7	8
2	7	5	1	8	3	9	4	6
3	5	7	6	1	2	4	8	9
5	1	2	7	9	8	6	3	4
6	4	8	5	7	1	3	9	2
7	9	4	3	5	6	1	2	8
8	3	6	4	2	9	7	5	1

### Solution to Crossword

from page 5

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

## Police Log

The following incidents were reported to the MIT Police between April 17 and April 23, 2007. This summary does not include incidents such as false alarms, general service calls, or medical shuttles.

- Apr. 17:** Windsor Lot, 6:40 a.m., A report of a vehicle with its window broken out.  
 Lot 2 (20 Albany St.), 11:24 a.m., Vehicle stolen from garage.  
 M6 (182 Rear Memorial Dr.), 5:59 p.m., Reporting person reports his passport was stolen from his office area.
- Apr. 18:** E40 (1 Amherst St.), 10:43 a.m., Caller states wallet was stolen; debit card has been used since.
- Apr. 19:** W51 (410 Memorial Dr.), 4:51 p.m., Breaking and entering; reporting person states that his computer was stolen.
- Apr. 20:** NW21 (190 Albany St.), 11:40 a.m., Routine check and inquiry of an individual; trespass warning issued.  
 M3 (33 Mass. Ave.), 12:53 p.m., Reports larceny of laptop computer.  
 M50 (142 Memorial Dr.), 5:46 p.m., Suspicious activity in Walker.  
 W71 (500 Memorial Dr.), 7:56 p.m., Reporting person reports bike stolen from Next House bike rack.
- Apr. 21:** Orchard Street, Cambridge, Mass., 4:08 p.m., Person reports a past domestic violence from April 14 which occurred off campus; Cambridge Police responded to initial report.  
 M66 (25 Ames St.), 4:18 p.m., MIT Police take report of a flim-flam in East Campus area.  
 NW16 (167 Albany St.), 6:01 p.m., Police stop suspicious person on campus at NW16; trespass warning issued.  
 W20 (84 Mass. Ave.), 6:30 p.m., Report of a stolen wallet from a backpack at the Student Center; wallet was not stolen, it was misplaced.  
 W20 (84 Mass. Ave.), 7:54 p.m., Routine check and inquiry on second floor of Student Center; trespass warning issued.
- Apr. 23:** E2 (70 Amherst St., Senior House), 1:42 a.m., Reporting person states laptop computer, camera and \$60 cash stolen from unlocked room.  
 E23 (25 Carlton St.), 8:57 a.m., Larceny of prescription.  
 E23 (25 Carlton St.), 3:37 p.m., Reporting person reports flames coming from mulch fire; Cambridge Fire Department extinguishes fire.  
 Lot 1 (125 Vassar St.), 4:45 p.m., Suspicious person in front of West Garage; trespass warning issued.

COMPILED BY ANGELINE WANG

## MY AMERICA IS A BEACON TO THE REST OF THE WORLD ON HUMAN RIGHTS.



### The Military Tribunals at Guantanamo Bay: An Insider Perspective

P. Sabin Willett

MAY 2  
6-120  
7pm



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Jeff Levine '96



## The Toxic Century: Bhopal and the Future of Green Chemistry

Panel Speakers:

Gary Cohen, and Aquene Freechild,  
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Professor Ron Willey, Northeastern University,

Thursday, May 3rd:  
6:30-8:00 PM  
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Room 37-212

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# Steer Roast 2007



Photo by David Templeton

May 4-6

Senior House Courtyard

For all you carnivores\* out there  
 For all you pretentious music geeks  
 For all you crusty alums  
 For all you who enjoy a mouthful of mud\*\* now and then  
 For all you nerds who like Athena terminals

\* - Vegetarians are most welcome as guests, viewers, and ... perhaps ... dinner.  
 \*\* - Ordinary mud is expected to have very little nutritional value, but if you regularly gorge on mud, it might make you a big fattie. Senior Haus Inc. is not responsible for your calorie intake during Steer Roast.



Sponsored by LEF and DormCon

# Cornstalks, Grasses Could Be Alternative Sources For Ethanol

Ethanol, from Page 1

the first to prove a new idea: that by using biotechnology, they can make affordable ethanol from something besides ears of corn.

They're all trying to solve a stubborn problem that vexes advocates for so-called biofuels, or fuel made by growing plants rather than drilling for oil. American ethanol, the most important domestic biofuel, comes from corn, and there's a limit to how much corn American farmland can produce. Currently just a tiny percentage of US automobile fuel comes from ethanol, and it can't get much higher without interfering with the food supply.

"If you want to get to energy independence, you're not going to get there from corn," says Samir Kaul of Khosla Ventures, a firm that has invested in both Mascoma and Celunol.

Better than using corn, say Kaul and others, would be to make ethanol from more profuse plant matter — cornstalks, extra woodchips, even grasses such as switchgrass.

The phrase for that plant matter, cellulosic biomass, doesn't exactly roll off the tongue. But if fuel can eventually be made

from the junk parts of plants, "it really shifts the equation dramatically," says John T. Preston, a technology investor and MIT lecturer.

In February, Celunol broke ground on a pioneering new fuel plant in Louisiana to make ethanol out of bagasse, the residue left after sugarcane is pressed. Mascoma is building a \$30 million plant in upstate New York to make ethanol from wood chips. A plant in Iowa is being built to make it from corn cobs and stalks. All of them are trying to set the course for the next wave of biofuel.

And further down the line, they hope to apply genetic engineering more broadly to the process. Celu-

not, for instance, has developed a new form of sugarcane called energy cane, an inedible plant with ultra-high quantities of cellulose.

"There's no crusty old man of bio-fuels saying, 'This is how it's done,'" says Celunol chief Riva. "We're making it up as we go along."

The key to the process at both Celunol and Mascoma is in breaking down the tough plant matter into a substance that can be fermented into alcohol. Enter the science of biotechnology, which can design enzymes to digest the plants and custom-make living microbes to ferment the mash. Both companies have developed their own methods, and hope to use their new plants to demonstrate it can work at a larger scale.

Still, cellulosic ethanol has proved persistently hard to get right, never mind cheap enough to replace gasoline. Enzymes are expensive. And the microbes that turn the mash into alcohol must be hardy enough so

they don't die as the alcohol content goes up. In the 1990s, Celunol — then known as BC International — tried and failed to get a commercial-scale cellulosic ethanol plant off the ground.

*Currently just a tiny percentage of U.S. automobile fuel comes from ethanol, and it can't get much higher without interfering with the food supply.*

"The proof of the pudding is going to be in having one of these operational 365 days a year," says David Morris of the Institute for Local Self-Reliance in Minneapolis, who served as an energy adviser to the administrations of both Bill Clinton and George W. Bush.

Despite the uncertainties, the field has also sparked enthusiasm of investors. Venture capitalists invested \$774 million in biofuels companies in 2006, according to a trade group called the Cleantech Venture Network. That's a huge leap from the \$111 million in 2005.

Down the line, even if the companies get the process right, other obstacles loom. Fewer than 5 percent of American cars sold today can burn ethanol as fuel, according to the National Ethanol Vehicle Coalition, although the substance is mixed in small quantities into current gasoline. And even people with "flex-fuel" cars, which can take both gasoline and ethanol, are limited by the paucity of stations that pump it.

"The oil companies control a lot of the distribution, and there's not much incentive for them to play ball," says Kaul of Khosla Ventures.

For now, cellulosic ethanol remains a research-driven business, which is why two of the leading firms are in Cambridge. Although neither is based on science invented in the Boston area — Celunol's labs are in Florida, and Mascoma's are in New Hampshire — they cite the local pool of engineers, biotech experts, and enthusiastic venture firms.

"Almost half of our employees are PhDs, and this is where the talent is," says Mascoma chief executive Bruce Jamerson, who joined the company last month from a South Dakota ethanol maker, and still commutes on weekends back to his home near Sioux Falls.

Riva, an MIT engineering graduate, concurs. "You have to be somewhere," he says, "and from that perspective it's better to be here than close to the biomass."

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"The Iron Wall" Film Screening and Discussion  
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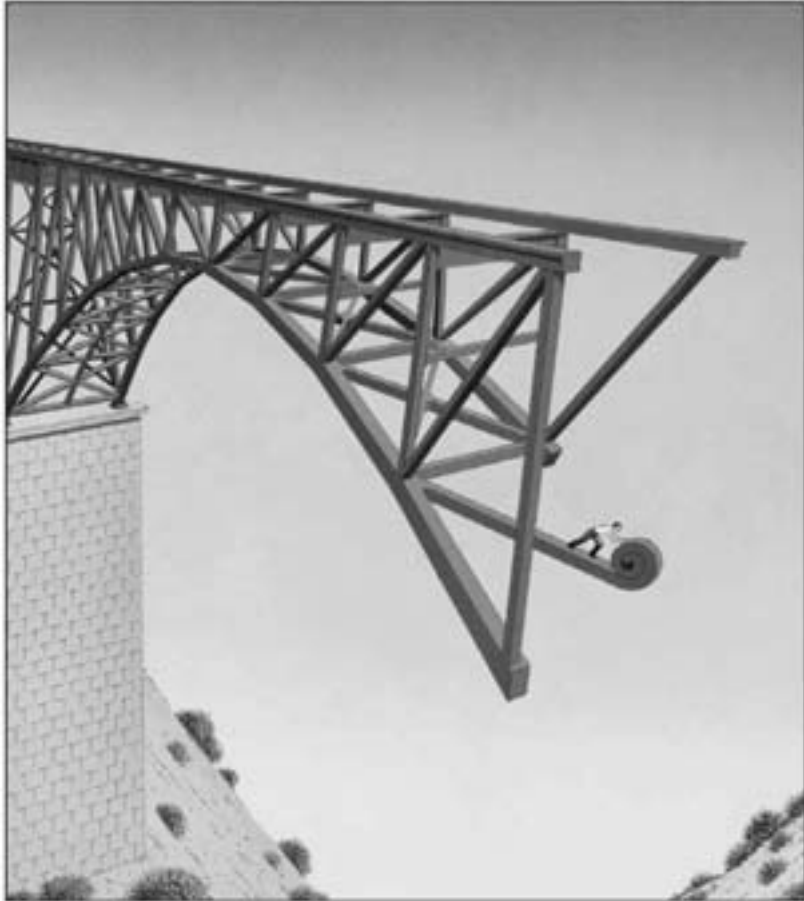
Coffee Hour and Discussion with Palestinian students  
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### **The Sloan Subject Bidding (SloanBid) System** **Bidding Dates for Fall, 2007 Courses**

**<https://sloanbid.mit.edu>**

*First time logging in? Use your MIT ID as both your log in and password. Follow instructions on the site to change your password or retrieve lost passwords.*

Institute-wide bidding for Sloan subjects:

Opens 9:00 a.m., Thursday, May 10

Closes 5:00 p.m., Monday, May 21

Waitlist Round for closed Sloan subjects:

Opens 9:00 a.m., Monday, July 16

Closes 5:00 p.m., Monday, July 30

Section Swap Round for sectioned Sloan subjects:

Opens 9:00 a.m., Wednesday, August 1

Closes 5:00 p.m., Wednesday, August 8

Please contact Scott Alessandro, [salessan@mit.edu](mailto:salessan@mit.edu), if you have questions regarding Sloan Course Bidding.

***Successful bids will appear on your Registration Form on September 4 and will be posted on the bidding website as of July 16 -- write down your password to check results!***

# Mendoza Advises Elections For JudComm Members

**Dormcon**, from Page 1

proxy in the form of the student group liaison." The purpose of a student group liaison is to attend UA Senate meetings and report back to DormCon with dormitory-related information.

The new executive board will be sworn in at the DormCon meeting on May 14, according to Nedzel.

## Judcomm discussion

Veronica Mendoza '96, director of the Office of Student Mediation and Community Standards, also attended the meeting to "solidify the next steps in the process of getting JudComms running at dorms and setting up a DormCon JudComm," according to

Hopp. JudComms have been established in some dormitories to settle disputes without involving administrators. Dormcon JudComm will function for dormitories that do not want to have a JudComm, according to Nedzel. Mendoza plans to advance the process as far as possible before leaving at the end of May.

"Establishing a DormCon JudComm is ... important, and it is important that DormCon establishes a good relationship with Veronica Mendoza's replacement," said Hopp.

One student at the meeting said that students were not comfortable discussing disciplinary issues with other students they live with so they prefer going directly to DormCon JudComm,

while others present at the meeting said that students like to resolve issues within their dorms. Mendoza said that some students felt that the dormitory JudComm was a way for dormitory residents to set their own "community standards." She acknowledged the two different perspectives.

Some students complained that it is difficult to get dormitory members to attend meetings and elect JudComm members, so they are mostly appointed by the dormitory presidents. Mendoza said that she would prefer that dormitories have a formal election process to select JudComm members. "When it comes time to have a hearing ... these people are not committed," because they were appointed as opposed

DormCon Election Results	
President	Sarah C. Hopp '08
Executive Vice President	James T. Albrecht '08
Treasurer	Cathy Yao '08
Secretary	Erin B. Munsell '09
Vice President for Residence Exploration	Preeya S. Phadnis '09
Residence Exploration Chairs	Anikia F. Tucker '10
	James A. Ostrowski '10
	Margaret K. Delano '10
	Mandie D. Holmes '08
Housing Chair	Christopher B. Palmer '09
Judicial Committee Chair	James Torres '10
Risk Manager	Nathan S. Lachenmyer '10
Dining Chairs	(to be appointed from residential dining dormitory)

SOURCE: DAVID A. NEDZEL, OUTGOING DORMCON PRESIDENT

to elected. Mendoza said she would prefer that the people who go through JudComm training be prepared to dedicate the necessary time.



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E51, MIT Sloan School of Management

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[www.talentforum.org](http://www.talentforum.org)

# As in 2006, MIT Baseball Falls Short in Title Game

Baseball, from Page 16

to start the inning and pinch runner Kyle Pearce advanced to second following a sac bunt. With two outs, senior Chris Stack smoked a single to right field.

As the potential tying run rounded third and headed for the plate, D'Annunzio fired a strike from the middle of the outfield. The play at home was incredibly close, but when catcher Paul Groudas '08, who was blocking the plate, turned to show the umpire the ball, Pearce was called out to signal the final out of the frame.

In the bottom of the eighth, the Engineers attempted to put the game out of reach by adding a pair of runs with two outs. Nunez started the two-out magic with a single to right field, while Witzberger followed with a single to left. Phillips then plated his second run of the tilt after another single to left scored Nunez. Witzberger added his second run of the contest off a double by David M. Nole '09. Looking for a fifth straight hit, Kevin R. Wheeler '08 flied out deep to center to end the inning.

Turner (5-2) threw his fourth complete game in six starts, while lowering his ERA to a career-best 2.77. Lisowski, who struck out eight batters, took the loss and falls to 3-5 on the year.

### Engineers win semifinal shootout

Wheeler was three-for-four with a pair of home runs, five RBI's and four runs scored as third-seeded MIT held off seventh-seeded Coast Guard, 15-12, in the NEWMAC semifinals. MIT appeared to be in control heading into the eighth inning with a 10-2 lead, before Coast Guard smoked five hits and took advantage of five errors in the top half of the frame to score seven runs and set the stage for a wild finish.

Coast Guard took a 2-0 lead in the top of the fourth without the benefit of a hit or an error as Chuck Arena and Brian Lisko walked, Arena took two bases and scored on wild pitch and Mike Mitchell later added a sacrifice fly.

MIT quickly answered as Stephen C. Toth '09 highlighted a four-run fourth with a two-run home run to break a 2-2 tie, while Wheeler served up a two-run single which tied the game at 2-2.

The Engineers scored three

times in both the sixth and seventh innings to stretch their lead to eight runs. Wheeler led off the sixth with a solo homer while Stewart J. Park '10 added a two-run double. In the seventh, Toth had a two-run single to highlight the inning as the Engineers built the 10-2 lead.

In the eighth, Christian George had an RBI double, Lisko had a two-run triple, Adam Reckley had an RBI single and then George pulled the Bears to within one at 10-9 with an RBI single.

MIT responded with five runs in the home half as Nole had an RBI single, Benjamin T. Bersanti '10 added an RBI triple and Park chipped in another RBI single. Wheeler delivered the big blow in the inning with his second home-run of the afternoon.

Coast Guard didn't go quietly despite entering the final frame down 15-9. Lisko led off with a homer before Ken Franklin and Kevin Higgins drew walks off closer Nunez. Bret Nichols had a one-out RBI single and Reckley added a two-out RBI single, but the Bears left two runners on to end the game behind by three.

### Wheaton Dominates Final

Unfortunately for the Engineers, the NEWMAC final game between MIT and Wheaton, held on Saturday in Wheaton's Sidell Stadium, was not only a re-match of last year's final game but a repeat of the result.

In both games, MIT only managed one run against Wheaton's Louie Bernardini, who pitched all but one inning between the two games; both times they allowed early runs by Wheaton that proved to be all the opposition needed.

Matthew D. Loper '09 started for MIT on Saturday and kept with Bernardini in the first two innings, allowing only a lead-off walk in the second.

Things turned south for Loper in the third, when Wheaton scored two runs in the third inning on two hits, one walk, one error, and two sacrifice flies. Loper was done for the afternoon after the Lyons started the fourth with a home run and a hit batsman.

Tech had one of their few chances off Bernardini in the top of the fourth, starting the inning with singles by Nunez and Witzberger. The inning ended quickly as Phillips grounded into a fielder's choice,

Nole struck out, and Wheeler lined out to center.

Richard D. Kosoglow '08 relieved Loper in the bottom of the fourth and got into and out of trouble. He got two outs quickly, forcing a ground out and a fly out, before allowing an RBI single by Karl Olsen that made the lead 4-0. Kosoglow then loaded the bases

by hitting and walking consecutive batters, but got out of the jam by forcing Nick Pecora to ground out.

After a harmless inning and a half, the Lyons were at it again in the sixth, adding two runs to make their lead 6-0.

MIT had one last rally in the eight inning, loading the bases with

two outs and one run already in, but Phillips grounded out to the short-stop to end the rally and make the score 6-1.

The Engineers' season continues with a road game at Worcester State this afternoon and a home game this Thursday against UMass Boston at 3:30 p.m. The NCAA tournament begins on May 16.



## Make money, extend your housing and network with alumni!

Student jobs are available in the Alumni Association for the upcoming 2007 Reunion. Work as registration manager, registration staff person, Kid Tech counselor, or Tim the Beaver Mascot. For details and application submission:

<http://alum.mit.edu/ne/reunions/studentjobs.html>

## Applications are due May 4th!

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# SPORTS



PETER H. RIGANO

(Back to front) John M. Field '08, Karlen E. Ruleman '09, Brooks L. Reed '09, and Xiaoyu (Sylvia) Yang '07 head back to the MIT Sailing Pavilion after competing in last weekend's New England Team Racing Championship. MIT placed 11th overall, failing to qualify for nationals.

## Tennis Beats Wheaton To Win 9th Straight NEWMAC Tournament

Mindy Brauer  
DAPER STAFF

Top-seeded MIT outlasted No. 2 Wheaton College, 5-3, en route to its ninth consecutive New England Women's and Men's Athletic Conference (NEWMAC) Men's Tennis Championship. The Engineers (13-5) and the Lyons (11-5) have met in the title match for the past three seasons, with this year's match-up being the closest in tournament history. MIT and Wheaton posted 5-0 wins over No. 4 Babson College and

No. 3 Springfield College, respectively, in the semi-final round. Wheaton opened the championship match with a pair of 8-2 decisions in the No. 3 and No. 2 doubles positions. MIT's top tandem of Thomas H. Dohlman '07 and Eric A. Beren '08 defeated Payum Payman and Brad Dressler, 8-4, to put the Engineers on the board. Ryan W. Castonia '09 evened the match at two after his 6-0, 6-2 victory over Kyle Hudgins in the No. 6 singles slot. Steady rain forced the competition inside and following the brief delay, Beren put MIT ahead with

his 6-0, 6-3 win in the No. 2 position. Payman defeated Dohlman, 6-4, 6-2, in the No. 1 position which tied the match at three. Melvin C. Makhni '07 gave the Engineers the lead for good following his 6-4, 6-2 decision over Raymour Radhakrishnan. In the No. 4 spot, Peden P. Nichols '09 won the first set against Will Stoddard, 6-1, but fell 7-6 in the second set. Nichols bounced back with a 6-2 victory to secure the title. The only unfinished match of the day was in the No. 3 slot, where MIT's Mark D. Egan '07 was leading Dressler, 2-6, 7-5, 5-0.



PATRICK R. BARRAGAN

A coach from the U.S. Coast Guard Academy looks on as Rachel M. Niehuus '07 dumps a trophy-full of cold water on Fletcher A. Brooks, head coach of the women's track and field team. Both the men's and women's teams placed first in the New England Women's and Men's Athletic Conference championship, held this past weekend at the U.S. Coast Guard Academy.

## Baseball Places 2nd After Two Wins Yield Berth in Title Game

By Mindy Brauer  
and Travis Johnson

The Engineers baseball team made it to the conference finals but lost, as they did last year in this game, to Wheaton college. Starting last Thursday, MIT shut out Springfield 3-0 in the quarterfinals, out-hit Coast Guard 15-12 in the semifinals, but fell in the title game 6-1.

Turner pitches gem in quarterfinal

MIT took its first step towards the New England Women's and Men's Athletic Conference (NEWMAC) championship game with a 3-0 victory against Springfield College on Thursday afternoon at Briggs Field. Jay M. Turner '08 fired his second complete-game shutout of the season to out-duel sophomore Jimmy Lisowski, who endured the loss despite a great start for the Pride.

Both of Thursday's starters were dominant from the first pitch. Turner

scattered three singles through the first seven innings, while Lisowski was unscathed his first time through the Engineers' lineup. MIT (12-11) secured the game-winning run in the bottom of the fourth behind the excellent baserunning of senior Jason T. Witzberger '07. Steven M. Nunez '09, who finished three-for-four on the day, opened the frame with a single up the middle. After Witzberger reached on a fielder's choice, the all-time MIT record holder in stolen bases swiped both second and third during the ensuing at-bat. Not wasting the golden opportunity, Thomas M. Phillips '09 lined a single through the box to bring Witzberger across the plate. Springfield (9-20) nearly tied the game in the eighth, but Christopher M. D'Annunzio '09 served up the defensive play of the season in right field to erase the threat. Pinch hitter Ryan Tatreau sparked the Pride with a single through the left side

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GHEORGHE CHISTOL—THE TECH

Jingwen Ouyang '08 tries to evade a tackle by a Boston University player during the women's rugby game on Saturday. BU won 12-5.

### UPCOMING HOME EVENTS

Thursday, May 3, 2007  
Baseball vs. UMass Boston

3:30 p.m., Briggs Field

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