

Two Professors Fill Associate Provost for Faculty Equity Post

By Keone D. Hon

Professors Barbara H. Liskov and Wesley L. Harris have been appointed to fill the Associate Provost for Faculty Equity position created a year ago, Provost L. Rafael Reif announced earlier this month. The scope of the position would include four central issues: "faculty recruitment, faculty retention, providing a supportive environment for career development and promotion, and work-family issues," Reif said.

Liskov said she has no plans at the moment to reform the process of granting tenure, an issue that put MIT in the national spotlight last February after an MIT professor went on a hunger strike after he was denied tenure and claimed it was be-

cause of racial reasons.

"MIT has in place a process for evaluating cases like [former Associate Professor James L.] Sherley's, and that process was followed in this case," Liskov said. "The original decision was examined by many people; the process by which the decision came about was examined as well. I don't have any particular ideas to do something about [the tenure process]."

Liskov added that the process "needs to be watched" to ensure that tenure candidates have the resources and time to make the best case for themselves.

Associate Professor of Linguis-

Diversity, Page 17



ERIC D. SCHMIEDL—THE TECH

Swedish Prime Minister Fredrik Reinfeldt accepts a copy of graphic designer and computer scientist John Maeda's book *Simplicity* from MIT Media Lab Director Frank Moss after Reinfeldt toured the Media Lab Tuesday, Sept. 25. Reinfeldt earlier presented Moss with a copy of Helene Schmitz's book *A Passion for Systems*.

Candidates Campaign For 2011 Class Council And UA Senate Elections

By Ryan Ko

STAFF REPORTER

Campaigning for the Undergraduate Association Fall 2007 elections began at the stroke of midnight on Sept. 27, with candidates for 2011 Class Council chalking along Amherst Alley.

Sonya Makhni '11, running for secretary, was the first one on the sidewalk early Thursday morning, followed closely by Hway (Helen) Chen '11 and Carolyn L. Wang '11, publicity chair co-candidates, and Yu (Jeff) Zhao '11, social chair candidate running with Emma M.

Rosen '11. The four students wrote their slogans on the sidewalk in front of Baker and in popular freshman classrooms. "This is how dedicated we are," Wang said. "Putting aside our psets to chalk."

A total of 22 freshmen, including four co-candidate pairs, submitted completed election packets for class council positions, and 24 candidates submitted packets for the 27 UA Senate positions up for election. UA President Martin F. Holmes '08 characterized these figures as either

UA Elections, Page 12

At Least 317 Pledge in IFC Rush

More Students Pledged Than in Previous Years, IFC President Says

By Lulu Wang

As of yesterday morning, fraternity recruitment resulted in 317 new pledges, an increase from previous years. Last year's rush produced 299 pledges, Interfraternity Council President Daniel S. Eads '08 said. IFC rush officially ended this year on Wednesday, Sept. 12.

A total of 472 bids were given out to 373 students, said IFC Recruitment Chair Christopher A. Fematt '08.

Based on the data currently tallied by Fematt, which represents approximately 35 percent of bids, 1.5 percent of bids are from the Class of 2009, 9 percent are from the Class of 2010, and the remainder are from the freshman class.

Phi Beta Epsilon received the most pledges this year, with 23, according to the IFC. PBE was followed by Pi Lambda Phi with 19 pledges so far, according to Pi Lambda Phi. The IFC declined to comment on the pledge numbers of other fraternities.

Rush began with the Sept. 1 Greek Griller and was quickly followed by standard steak-and-lobster dinners, paintball trips, and midnight jaunts. Bid Day, when promising frosh are handed invitations to join fraternities, was on Friday, Sept. 7.

"The main purpose of these activities is to educate freshmen," Eads said. Beyond all the food fights and dawn-to-dusk events, fraternities want to find freshmen that can truly

identify with the brothers and feel comfortable as a member, Eads said.

Another goal is to "promote interfraternalism," which was seen at the Alley Rally event held on Amherst Alley, said Assistant Dean of FSILGs Kaya Miller. Miller said she is "proud of the event [the fraternities] put together and how they displayed themselves."

All of rush is carefully regulated by a set of rules that have been agreed upon by the IFC and the president of each fraternity, Miller said. Event schedules must be submitted to Fematt, in advance. Sotirios D. Karanikas '08, IFC vice president, said

IFC Rush, Page 17

MIT Team Designs Autonomous Vehicle

By Emily Prentice

Imagine you are driving around town when you pull up to a stop sign. As you glance over at the car across the intersection, you are astonished to see that there is no driver. As the car makes a smooth right turn, you realize that the car is driving itself.

It sounds far-fetched, but such a scene may be closer than you think. A team consisting of faculty, researchers, and students from MIT, the Franklin W. Olin School of Engineering, and Wellesley College, as well as industry experts from around the area, is trying to build such a vehicle. The group, led by

DARPA, Page 16



KARI WILLIAMS—THE TECH

Brian W. Ducharme, CEO of MIT Federal Credit Union, cuts a ribbon held by the bank's board of directors at the grand opening of the bank's new Student Center branch. The branch officially opened for business of Aug. 6, 2007.

Hayward R. Alker '59

MIT NEWS OFFICE

Hayward R. Alker, an MIT alumnus and political scientist specializing in international relations, died Aug. 24 at his home in Block Island, R.I., following a cerebral hemorrhage. He was 69.

A New York City native, Alker was a leading scholar on international conflict resolution, widely respected for his integration of mathematical and humanistic research methods. His books include "Journeys Through Conflict" (2001) and "Mathematics and Politics" (1965).

Alker taught at MIT from 1968 to 1995, when he left to teach at the University of Southern California, where he held the John A. McCone Chair in International Relations.

He earned an SB in mathematics from MIT in 1959 and his MA and PhD degrees from Yale University in 1960 and 1963, respectively. He taught at Yale before he came to MIT.

Alker is survived by his wife, J. Ann Tickner, of Santa Monica, Calif.; his brother, Henry; his sister, Charity; three daughters, Joan, Heather and Gwendolyn; and six grandchildren. In lieu of flowers, contributions may be made to the Middle East Peace Education Program of the American Friends Service Committee in Los Angeles or to the Block Island Conservancy.

In Short

¶ **The deadline to waive MIT Student Extended Insurance** is Sunday, Sept. 30. Extended insurance covers some services outside of MIT Medical and costs \$600 for students for the fall term. For more information or to waive coverage, visit <http://web.mit.edu/medical/>.

¶ **The State of the Institute forum** is next Tuesday, Oct. 2 at 11 a.m. in Kresge Auditorium. The MIT community is invited. A Q&A session will follow speeches from President Susan Hockfield and other administrators.

¶ **Professor Yossi Sheffi PhD '78** of

the Department of Civil and Environmental Engineering has been appointed director of the Engineering Systems Division, effective Nov. 15.

¶ **A freshman barbecue**, hosted by the MIT Campus Police and Campus Activities Complex, will be held today from 4:30-7 p.m. at the Kresge BBQ Pits. Live music and free food will be provided.

¶ **MIT Museum Open House** is Saturday, Sept. 29 and Sunday, Sept. 30 from 10 a.m. - 4 p.m. There will be performances, activities, and a chance to win prizes. Free admission.

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WORLD & NATION

Home Sales and Prices Fall Sharply

By Michael M. Grynbaum

THE NEW YORK TIMES

Sales of new homes plunged in August to their slowest pace in more than seven years as tighter credit and rising inventories continued to weigh down the housing industry. The grim statistics could foreshadow further economic weakness in the fourth quarter, analysts said.

Purchases of new homes fell to an annual pace of 795,000, an 8.3 percent decline from July, as the number of months needed to sell off builders' inventories rose to the highest level since March, the Commerce Department reported Thursday. The median price for a new home was down 7.5 percent from a year earlier, to \$225,700, the steepest monthly price drop since December 1970.

The sales figures were released as KB Home, a large Los Angeles builder, reported a \$35.6 million loss in the third quarter, or 46 cents a share, in contrast to a profit of \$153.2 million, or \$1.90 a share, in the period a year earlier. KB Home had a 32 percent drop in revenue, to \$1.54 billion.

Mexico's Former President Is Under Investigation on Allegations Of Financial Abuse

By James C. McKinley, Jr.

THE NEW YORK TIMES

MEXICO CITY

If former President Vicente Fox thought his retirement would be peaceful at his ranch, swimming in the pool or strolling by the artificial lake and sumptuous gardens, then events this week have proved him wrong.

Congress started an investigation into his personal finances after a former campaign aide charged that Fox had used campaign money to renovate the ranch.

The accusations from Lino Korrodi, the finance chairman for Fox's 2000 campaign, with photographs of the former president's relatively luxurious ranch published recently in a magazine, have fueled speculation among politicians about where Fox got the money.

The frenzy has reached a fever pitch in Congress, where members of opposition parties have pushed through a measure to set up a commission to investigate Fox's finances, a move unheard of in Mexico, where former presidents are generally treated with tremendous deference.

"It's important to clear up all these doubts," said one of the prime proponents of the investigation, Víctor Leopoldo Valencia de los Santos, a member of the Institutional Revolutionary Party, or PRI. "He has provoked this."

The investigation has put Fox on the defensive. This week, he declared he had nothing to hide from investigators.

At Its Session on Warming, U.S. Is Seen to Stand Apart

By John M. Broder

THE NEW YORK TIMES

WASHINGTON

The White House convened a two-day conference of the world's major greenhouse-gas-emitting nations here on Thursday that served to highlight how isolated the Bush administration is on the issue of global warming.

Secretary of State Condoleezza Rice acknowledged that climate change is a real global problem, and that the United States is a major contributor. She said the United States was willing to lead the international effort to reduce emissions of gases that have led to the warming of the planet, with the attendant ill effects.

But she repeated President Bush's insistence that the solution cannot starve emerging economies of fuel or slow the growth of the advanced nations. "Every country will make its own decisions," she said, "reflecting its own needs and interests."

Bush is scheduled to address the meeting Friday.

Military Junta Quells Protests Amid International Criticism

By Seth Mydans

THE NEW YORK TIMES

BANGKOK, THAILAND

Brutality and defiance marked the second day of an armed crackdown in Myanmar on Thursday as the military junta tried to crush a wave of nationwide protests in the face of harsh international condemnation.

The violence began before dawn with raids on Buddhist monasteries and continued through the day with tear gas, beatings and volleys of gunfire in the streets of the country's main city, Yangon, according to witnesses and news agency reports from inside the closed nation.

Witnesses said soldiers fired automatic weapons into a crowd of protesters. State television in Myanmar reported that nine people had been killed and that 11 demonstrators and 31 soldiers were injured. The numbers could not be independently verified, and exile groups said they could be much higher.

International pressure on Myanmar built when President Bush asked countries in the region influential with Myanmar's authorities to urge them to cease using force, and the Treasury Department imposed economic sanc-

tions on 14 senior Myanmar government officials.

China's foreign minister, Yang Jiechi, at the White House for a scheduled meeting on Thursday with the national security adviser, Stephen J. Hadley, soon found himself in an impromptu Oval Office session with the president. Bush urged Yang to have Beijing "use its influence" in Myanmar to facilitate a peaceful transition to democracy, the White House spokesman, Gordon D. Johndroe, said.

As Myanmar's chief international patron, China on Wednesday blocked an effort by the United States and European countries to have the Security Council condemn the violent crackdown. On Thursday, while not going as far as Bush might have wished, China added its voice to criticism from abroad when it publicly called for restraint.

"As a neighbor, China is extremely concerned about the situation in Myanmar," the Foreign Ministry spokeswoman, Jiang Yu, said at a news briefing in Beijing. "China hopes that all parties in Myanmar exercise restraint and properly handle the current issue so as to ensure the situation there does not escalate and get complicated."

Despite a heavy military and police

presence, protests gained momentum through the day in several parts of Yangon. But with the authorities clamping down on telephone and Internet communications, human rights groups and exiles said they were having increasing difficulty in getting information.

The violence of the past two days has answered the question of whether the military would fire on Buddhist monks, the highly revered moral core of Burmese society. For the past 10 days, the monks have led demonstrations that grew to as many as 100,000 before the crackdown began.

"The military is the one who proudly claims to preserve and protect Buddhism in the country, but now they are killing the monks," said Aung Zaw, editor of The Irrawaddy, a magazine based in Thailand that has extensive contacts inside Myanmar.

Like others monitoring the crisis, which began Aug. 19 with scattered protests against steep fuel price increases, he said it was difficult to learn the numbers of dead in a chaotic situation in which hospital sources are sometimes reluctant to talk. Aung Zaw said he had been told of one death Thursday when soldiers attacked two columns of monks and other people.

Supreme Court Ruling Prompts Stay of Execution in Alabama

By Adam Nossiter

THE NEW YORK TIMES

Amid renewed questions by many states about the future of lethal injection in capital punishment, Alabama ordered a rare stay in an execution that had been scheduled for Thursday night.

Gov. Bob Riley said the state would halt the planned execution of Tommy Arthur while it came up with a new formula for lethal injection to make sure prisoners are completely unconscious before they are killed.

The stay reflected what appears to be emerging as a patchwork, state-by-state response to a decision on Tuesday by the Supreme Court to look at whether lethal injection causes unnecessary suffering.

Some states, even ardent pro-death penalty ones like Alabama, are slowing down. Others, like Texas, are

cruising full speed ahead. Texas executed a prisoner a few hours after the court's decision on Tuesday. Eleven states have stopped lethal injections altogether, as litigation proceeds.

"It's going to be a hodgepodge," said George Kendall, a veteran civil rights lawyer in New York. "Some states will shut down, and in some it will be business as usual."

Texas officials maintained that nothing had changed and that executions could proceed.

Still, the Supreme Court's decision to consider a challenge by two Kentucky death row inmates seemed certain to at least slow the pace, particularly in Southern states. Death penalty lawyers in North Carolina and Virginia, for instance, are already asking for delays both in executions and the development of new procedures for them.

"I think it will hold up quite a few

executions," said Richard C. Dieter of the Death Penalty Information Center, a nonprofit group opposed to capital punishment.

In Alabama, where politicians rarely challenge the death penalty, the state is developing a "consciousness awareness test" for inmates being executed, but state officials maintained that the action was unconnected to the Supreme Court decision.

"Somebody would come in and do something to assess consciousness, after the anesthesia is delivered," Assistant Attorney General Clay Crenshaw said. For now, he said, "the consciousness-awareness is being done visually by the warden."

In a separate case next week, a federal judge in Alabama will hear arguments from two death-row inmates that lethal injection is unconstitutional.

WEATHER

Hasta La Vista, Summer?

By Garrett P. Mariner

Summer has come and gone as of last Sunday morning at 5:51 EST, but try telling that to the weather! We have been in an unusual high pressure pattern lately, which has allowed temperatures this week to soar and cut down precipitation to just 35 percent of normal since Aug. 1. Logan's high of 88°F on Tuesday nearly tied the record high of 89°F for the same date in 1926. Again on Wednesday and Thursday, highs of 93°F and 85°F were only two degrees and one degree off from tying records, respectively. Thankfully, the muggy and rainy conditions today will usher in much drier and cooler air for the weekend.

In the active tropics this week, we had two systems form: Tropical Storm Karen in the middle of the Atlantic and Tropical Storm Lorenzo in the southwestern Gulf of Mexico. Karen is currently disorganized and expected to remain below hurricane strength while it churns away from any land for the next few days. Tropical Storm Lorenzo, however, is forecast to reach hurricane strength before making landfall over the Mexican state of Veracruz today. Lorenzo will produce heavy rains of 5-10 inches in that region.

Closer to home, we will have a low pressure system move by to our north today, bringing the likelihood of heavy rain and possibly a thunderstorm. After the cold front passes during the afternoon, any showers should taper off and skies will clear overnight. Tomorrow, the air will be noticeably drier and cooler, setting the stage for magnificent autumn weather for the weekend and early next week.

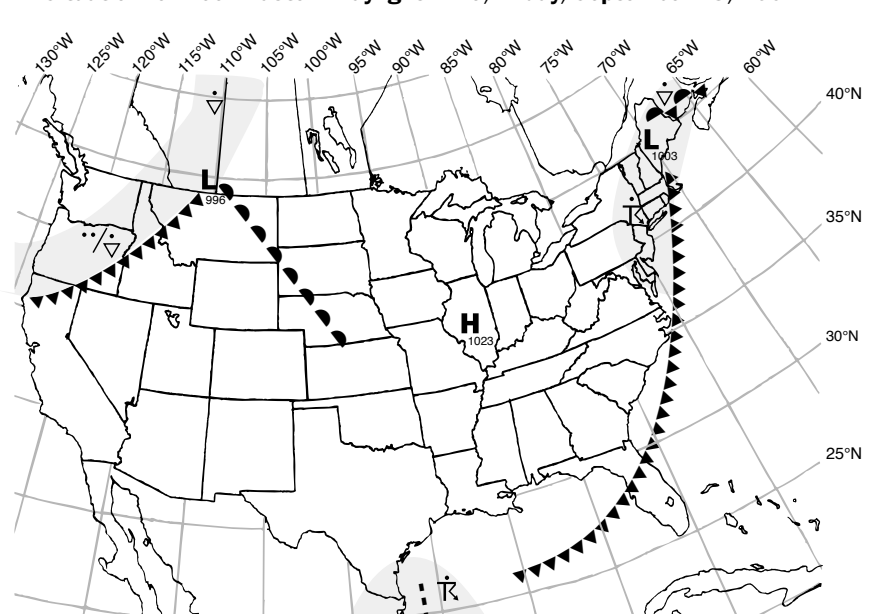
Extended Forecast

Today: Cloudy; showers and thunderstorms likely. Highs in the mid 70s°F (24°C).

Tonight: Mostly cloudy with clearing skies late. Lows in the mid 50s°F (13°C).

Saturday through Monday: Mostly sunny. Highs around 70°F (21°C). Lows near 50°F (10°C).

Situation for Noon Eastern Daylight Time, Friday, September 28, 2007



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	Snow *	Fog
L Low Pressure	- - - Warm Front	Shower ∇	Thunderstorm
§ Hurricane	▲▲▲ Cold Front	Light *	Haze
	▲▲▲ Stationary Front	Moderate **	
		Heavy ***	

Compiled by MIT Meteorology Staff and The Tech

With New Test, U.S. Citizenship Is Still a Question of Answers

By Julia Preston
THE NEW YORK TIMES

Patrick Henry and Francis Scott Key are out, but Susan B. Anthony and Nancy Pelosi are in. The White House was cut, but New York and Sept. 11 made the list.

Federal immigration authorities on Thursday unveiled 100 new questions that immigrants will have to study in order to pass a civics test to become naturalized American citizens. The redesign of the test, the first since it was created in 1986 as a standardized examination, follows years of criticism in which conservative groups said the test was too easy and immigrant advocates said it was too hard.

The new questions did little to quell that debate among many immigrant groups, who complained the citizenship test would become even more daunting. Conservatives seemed to be more satisfied.

Bush administration officials said the new test was part of their effort to move forward on the hotly disputed issue of immigration by focusing on the assimilation of legal

immigrants who have played by the rules, leaving aside the situation of some 12 million illegal immigrants here.

Several historians said the new questions successfully incorporated more ideas about the workings of American democracy and better touched upon the diversity of the groups — including women, American Indians and African Americans — who have influenced the country's history.

Would-be citizens no longer have to know who said, "Give me liberty or give me death," or who wrote "The Star-Spangled Banner." But they do have to know, "What did Susan B. Anthony do?" and who the current speaker of the House of Representatives is.

Alfonso Aguilar, a senior official at Citizenship and Immigration Services, the agency that designs and administers the test, said it was not intended to be punitive.

"We don't seek to fail anyone," said Aguilar, an architect of the test.

Immigration officials said they

sought to move away from civics trivia to emphasize basic concepts about the structure of government and American history and geography. In contrast to the old test, which some immigrants could pass without any study, the officials said the new one is intended to force even highly educated applicants to do some reviewing.

"This test genuinely talks about what makes an American citizen," said Emilio Gonzalez, the director of Citizenship and Immigration Services, speaking at a news conference in Washington.

The \$6.5-million redesign was crafted over six years of discussions with historians, immigrant organizations and liberal and conservative research groups. The questions were submitted to four months of pilot testing earlier this year with more than 6,000 immigrants who were applying for naturalization.

The agency will begin to use the revised test on Oct. 1, 2008, to leave a year for aspiring citizens to prepare and for community groups to adjust their study classes.

Blackwater Role in Shooting Said To Include Chaos, Civilian Deaths

By James Glanz
and Sabrina Tavernise
THE NEW YORK TIMES

BAGHDAD
Participants in a contentious Baghdad security operation this month have told U.S. investigators that during the operation at least one guard continued firing on civilians while colleagues urgently called for a cease-fire.

At least one guard apparently also drew a weapon on a fellow guard who did not stop shooting, a U.S. official said.

The operation, by the private firm Blackwater USA, began as a mission to evacuate senior U.S. officials after an explosion near where they were meeting, several officials said. Some officials have questioned the wisdom of evacuating the Americans from a secure compound, saying the area should instead have been locked down.

These new details of the episode on Sept. 16, in which at least eight civilians were killed, including a woman and an infant, were provided by a U.S. official who was briefed on the U.S. investigation by someone who helped conduct it, and by Americans who had spoken directly with two guards involved in the episode. Their accounts

were broadly consistent.

A spokeswoman for Blackwater, Anne E. Tyrrell, said she could not confirm any of the details provided by the Americans.

The accounts provided the first glimpse into the official U.S. investigation of the shooting, which has angered Iraqi officials and prompted calls by the Iraqi government to ban Blackwater from working in Iraq, and brought new scrutiny of the widespread use of private security contractors here.

The U.S. official said that by Wednesday morning, U.S. investigators still had not responded to multiple requests for information by Iraqi officials investigating the episode. The official also said that Blackwater had been conducting its own investigation but had been ordered by the United States to stop that work. Tyrrell confirmed that the company had conducted an investigation of its own, but said, "No government entity has discouraged us from doing so."

An Iraqi investigation had concluded that the Blackwater guards shot without provocation. But the U.S. official said that the guards have told U.S. investigators that they believed that they fired in response to enemy gunfire.

The Blackwater compound,

rimmed by concrete blast walls and concertina wire in the Green Zone in central Baghdad, has been under tight control. Participants in the Sept. 16 security operation have been ordered not to speak about the episode. But word of the disagreement on the street has slowly made its way through the community of private security contractors.

The episode began around 11:50 a.m. on Sunday, Sept. 16. Diplomats with the U.S. Agency for International Development were meeting in a guarded compound about a mile northeast of Nisour Square, where the shooting would later take place.

A bomb exploded on the median of a road a few hundred yards away from the meeting, causing no injuries to the Americans, but prompting a fateful decision to evacuate. One U.S. official who knew about the meeting cast doubt on the decision to move the diplomats out of a secure compound.

"It raises the first question of why didn't they just stay in place, since they are safe in the compound," the official said. "Usually the concept would be, if an IED detonates in the street, you would wait 15 to 30 minutes, until things calmed down," he said, using the abbreviation for "improvised explosive device."

Testimony Describes a Sniper Squad Pressed to Raise Enemy Body Count

By Paul Von Zielbauer
THE NEW YORK TIMES

CAMP LIBERTY, IRAQ
An Army sniper is taught to kill people "calmly and deliberately," even when they pose no immediate danger to him. "A sniper," Army Field Manual 23-10 goes on to state, "must not be susceptible to emotions such as anxiety or remorse."

But in a crowded military courtroom seemingly stunned into silence on Thursday, Sgt. Evan Vela all but broke down as he described firing two bullets into an unarmed Iraqi man his unit arrested last May.

In anguished, eloquent sentences, Vela, a member of an elite sniper scout platoon with the 1st Battalion, 501st Infantry Regiment, quietly described how his squad leader, Staff Sgt. Michael A. Hensley, cut off the man's handcuffs, wrestled him to his feet and ordered Vela, standing a few feet away, to fire the 9 mm service pistol into the detainee's head.

"I heard the word 'Shoot,'" Vela recalled. "I don't remember pulling the trigger," he said. "I just came through and the guy was dead, and it

just took me a second to realize the shot had come from the pistol."

Then, Vela said, as the man, a suspected insurgent, convulsed on the ground, Hensley kicked him in the throat and told Vela to shoot him again. Vela, who is not on trial but faces murder charges for the killing, said he fired a second time.

His testimony on Thursday, in the court-martial of Spc. Jorge G. Sandoval, Jr., another sniper who is accused of murder, provided a glimpse into the dark moments of a platoon exhausted, emotionally and physically, by days-long missions in the region south of Baghdad that soldiers call the "triangle of death." In their testimony, Vela and other soldiers described how their teams were pushed beyond limits by battalion commanders eager to raise their kill ratio against a ruthless enemy.

During a separate hearing here in July, Sgt. Anthony G. Murphy said he and other 1st Battalion snipers felt "an underlying tone" of disappointment from field commanders seeking higher enemy body counts.

"It just kind of felt like, 'What are you guys doing wrong out there?'" he said at the time.

That attitude among superiors changed earlier this year after Hensley, an expert marksman, became a team leader, according to soldiers' testimony. Though sometimes unorthodox, soldiers said, Hensley and other snipers around him began racking up many more kills, pleasing the commanders.

Soldiers also testified that battalion commanders authorized a classified new technique that used fake explosives and detonation wires as "bait" to lure and kill suspected insurgents around Iskandariya, a hostile Sunni Arab region south of Baghdad.

As their superiors sought less restrictive rules of engagement — to legalize the combat killing of anyone who made a soldier "feel threatened," for example, instead of showing hostile intent or actions — the baiting program, as it was known, succeeded in killing more Iraqis suspected of being terrorists, soldiers testified.

Senate Votes to Expand Federal Jurisdiction Over Hate Crimes

By David M. Herszenhorn

THE NEW YORK TIMES

WASHINGTON

The Senate voted on Thursday to widen federal jurisdiction over hate crimes and to extend protections to people victimized because of sexual orientation, disability, gender or gender identity.

Under the measure, which the Senate approved as an amendment to the annual military authorization bill, Washington would have the authority to step in and prosecute hate crimes when local or state governments failed to do so.

It would authorize the federal government to assist state and local law enforcement agencies investigate and prosecute hate-crimes and provide grants of up to \$100,000 a year to cover costs.

The House passed similar legislation in May, drawing a veto threat from the White House. Senate Republicans warned that the measure would endanger the larger military bill, which includes soldiers' wage increases.

Sen. Harry Reid of Nevada, the majority leader, and other supporters of the bill, said they did not expect a veto precisely because it was now part of the military bill, which includes provisions that President Bush favors.

Existing law applies protection to victims only of crimes based on race, color, religion or national origin and just in cases when the victim was engaged in certain protected activities like attending public school or serving on a jury. Existing law also provides stiffer sentences for federal crimes classified as hate crimes.

Defense Chief Favors Faster Troop Increase

By David S. Cloud

THE NEW YORK TIMES

WASHINGTON

Hoping to ease the strain of two wars, Defense Secretary Robert M. Gates said Thursday that he was likely to approve a \$3 billion plan by the Army to accelerate by a full year the expansion of its active-duty force that President Bush approved in January.

Under the proposal, the Army would expand to 547,000 troops by 2011, one year sooner than under Bush's plan. Army Secretary Pete Geren told reporters Thursday that he favored the faster expansion to relieve the strains of providing troops for the wars in Iraq and Afghanistan.

"I'm inclined to approve it," Gates said of the Army proposal at a Pentagon news conference. "My questions have focused principally on whether they can do it in terms of recruitment and whether they can do so without lowering standards." Gates said he would not allow the Army to reduce recruiting standards to get the higher force numbers. The Army has had intermittent problems this year reaching the higher recruiting targets needed to expand the overall force.

Bush approved a plan to increase the size of the Army in January when he decided to send more troops to Iraq as part of the "surge" to improve security in and around Baghdad. The plan called for increasing the active duty Army to 547,000 troops by 2012, from its authorized strength of 512,000, and for an additional 9,000 troops for the National Guard and Army Reserve.

Pope's Death in 2005 Is Drawn Into Euthanasia Debate

By Ian Fisher

THE NEW YORK TIMES

ROME

The debate over the Vatican's opposition to euthanasia is being played out here over an especially public and delicate case: the death of Pope John Paul II.

Over the past week, the Vatican and Lina Pavanelli, an Italian anesthesiologist, have sparred over the doctor's accusation that John Paul should have been fitted earlier with a feeding tube. Pavanelli argued in a magazine article, then again this week in public, that the failure to do so before March 30, 2005, when the Vatican announced that John Paul had been fitted with a nasal feeding tube, deprived him of necessary care and thus violated church teachings on euthanasia. He died, at 84, on April 2 that year.

In an article in the magazine, *Micromega*, Pavanelli argued, "When the patient knowingly refuses a life-saving therapy, his action together with the remissive or ommissive behavior of doctors, must be considered euthanasia, or more precisely, assisted suicide." She did not examine the pope or have access to his medical records.

Musharraf Files Papers For Election in Pakistan

By Carlotta Gall
and Salman Masood

THE NEW YORK TIMES

ISLAMABAD, PAKISTAN

Pakistan's president, Gen. Pervez Musharraf, filed his nomination papers for re-election on Thursday amid continuing uncertainty over his eligibility to compete in the Oct. 6 vote.

On Friday, the Supreme Court is expected to rule on two petitions challenging Musharraf's eligibility on the grounds that is it unconstitutional for him to serve as both president and army chief of staff.

Two senior lawyers close to the case said they were prepared for the court to return a verdict in Musharraf's favor. But even if it did, lawyers and political parties said they were gearing up to make further legal challenges over the next week in a last-ditch effort to derail the election.

An opposition alliance, the All Parties Democratic Movement, upped the ante on Thursday by announcing that its members would resign en masse from the national and provincial assemblies that will conduct the presidential election.

The move, which the opposition hoped would undercut the credibility of the vote, would occur Oct. 2, just days before the Oct. 6 election. It could force the provincial assembly and government in the North-West Frontier province to dissolve, leaving the electoral college incomplete.

Meanwhile, Musharraf's supporters in the governing coalition say he has enough seats in the various assemblies to secure his victory.

So far Musharraf faces two opponents: a former Supreme Court judge, Wajihuddin Ahmed, 68, who is backed by the lawyers campaigning against military rule; and Makhdoom Amin Fahim, the vice chairman of the Pakistan People's Party, which is led by the former prime minister Benazir Bhutto.

OPINION

Letters To The Editor



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Simpson Misrepresented

The issue of intent is at the core of the Boston Police Department's latest encounter with LED devices. Initial news reports depicted a student deliberately provoking airport security, and newspaper stories throughout the day continued to blare "fake bomb" and "hoax device" in three-inch headlines, even after this

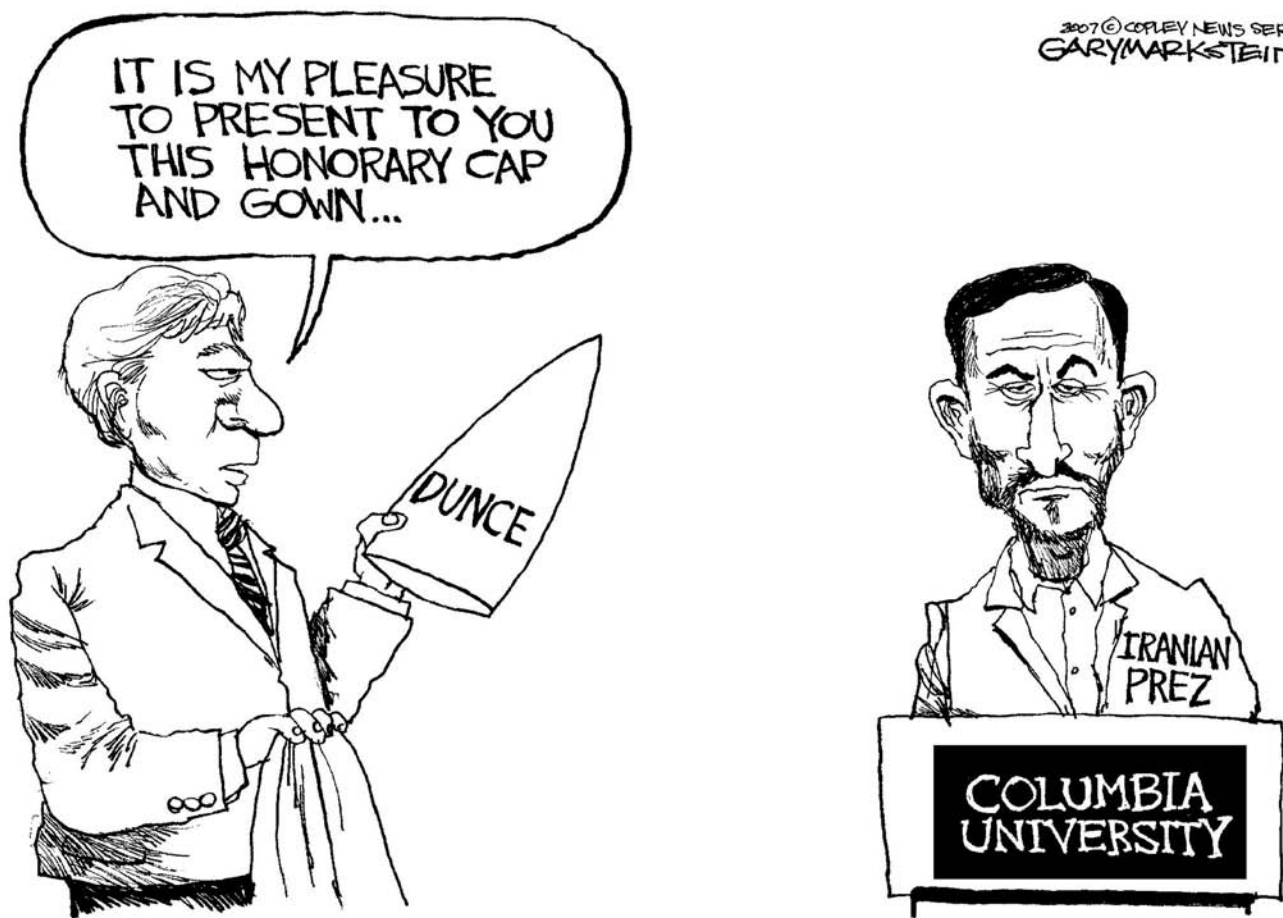
narrative was clearly contradicted by the facts. The fact that these organizations value marketability over truth is regrettable but not easily changed.

In this situation, MIT was the one entity with the ability to stand up and counter the dominant "crazed student straps fake bomb to chest" narrative. The MIT News Office's response squandered this opportunity. The fact that MIT took the trouble to issue a statement designed specifically to appease the public by

preemptively passing judgment on one of its own students is troubling. Is MIT really more concerned with the *Boston Herald's* readership than with the student body?

The media reaction to this incident demonstrates our need for independent institutions more concerned with seeking out the truth than looking good on the evening news. MIT should fill this role. In this instance, it did not.

Harvey C. Jones '06



THE FLORIDA STATE TASER INCIDENT: THE DISCUSSION CONTINUES...



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Where Is the Leadership?

Krishna Gupta

For a university that claims to be at the intellectual forefront of the world, for a powerhouse that claims to churn out global leaders, MIT has been pathetically represented and outright lambasted by the national media over the last couple of weeks. We have been portrayed as deceptively ignorant (or ignorantly deceptive) in a study uncovering our ridiculous SAT accounting measures (check *The Wall Street Journal*, Sept. 22), as stereotypically foolish by airport security (check any media outlet near you, Sept. 21), and miserably irresponsible by a mother grieving for her lost son (*The Wall Street Journal*, Sept. 10).

All this wonderful press comes, of course, on the heels of our *U.S. News* ratings jump ... down to seventh! Had I the luxury of this endearing praise endowed upon MIT back in April 2005, my uninformed high school senior self may have chosen differently; I would probably be sitting elsewhere, mocking beloved MIT like the rest of the world. That would have been unfortunate; at the same time, I think it indicates that public perception should matter more to a school as prestigious as MIT.

Mr. Stuart Schmill, interim director of ad-

missions, when asked about the faulty SAT reporting of the school, replied with: "It was a pretty harmless error, or we wouldn't be talking about it." The fact that I was reading this on *The Wall Street Journal Online's* front page seems pretty harmful to me; it makes the situation inherently more damaging than even the error itself. Although the press is the press, there can be no doubt that the national perception of MIT has dropped significantly in the last year (let's not forget ex-Dean of Admissions Marilee Jones). That fact should not be taken lightly — not by the students, not by the professors, and most of all, not by the leadership that, according to President Susan Hockfield, is in place to make MIT a global leader.

It is the leadership of the school that must remedy the situation, for it seems that we have again lost perspective. Academic brilliance is academic brilliance, but as an institution that strives to be much more, there must be much more. Rather than only trying to save human-

ity through cancer research or One Laptop Per Child (and both are very noble causes, though not equally so), can we not engage humanity in a discussion of the present? I wonder if Madame Hockfield would have been half as bold as Lee Bollinger, president of Columbia Uni-

Trying to understand the rest of the world is a similarly admirable task, and some inside MIT's community don't seem to attempt it often enough on a practical level.

versity, who on Sunday engaged, indeed enraged, President Mahmoud Ahmadinejad of Iran in an open forum. While it is facile to label Ahmadinejad a hopeless ignoramus, a bona-fide nutcase, it is too easy to dismiss him solely as such. There are reasons he believes what he does; those reasons are deep-rooted and probably remarkably revealing.

Trying to understand the rest of the world is a similarly admirable task, and some inside MIT's community don't seem to attempt it often enough on a practical level. There are reasons everyone believes what they do, and a true comprehension of those reasons will allow us to eradicate negative publicity without necessarily altering our fundamental work. It is too

easy, and dangerously arrogant, to dismiss the rest of society as ignorant. Come, Ms. Hockfield — engage, indeed enrage, the world in an open forum! Why will I never see your name in the nation's most regarded public forums? Is it not part of your responsibility to be present there? Ms. Hockfield, hear my call, or read the writing on the *Wall*.

MIT would tremendously gain from having such high-profile and controversial leaders as Ahmadinejad arrive on campus; the benefits would be multifaceted and would include a genuine enrichment of the MIT experience, as well as a more superficial, but equally salubrious, change to our public profile. Columbia University is splashed across the front page of CNN and this should be noted as an accomplishment of its own. Indeed, that alone is reason enough to bring people like Ahmadinejad; the additional intellectual curiosity that many of my peers and I share makes the dearth of such speakers on our campus almost unbearable. Two years ago, Ms. Hockfield promised me over dinner at Baker House Dining that she would rectify the situation. Her promise remains unfulfilled. That makes her like many leaders in today's world, and I can only hope she will rise above to bring MIT out of the public abyss in which it currently rests.



The Tech

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ARTS

THEATER REVIEW

A Lovely 'Winter's Tale'

Cambridge University Students Show Off Their Acting Skills

By Jillian A. Berry

ARTS EDITOR

The Winter's Tale
Cambridge University American Stage Tour
Sept. 18–20, 2007
Kresge Little Theatre

Last week, the Cambridge University American Stage Tour returned to MIT to perform William Shakespeare's *The Winter's Tale*. CAST, comprised of Cambridge University students, tour the east coast of the United States during the month of September, performing a work of Shakespeare at a school, charity, community theater, and various universities. In addition, CAST holds workshops over the course of their trip. This year, CAST performed at MIT for three nights in Kresge Little Theatre.

The Winter's Tale is one of Shakespeare's most confusing works. While most of his plays are clearly either a tragedy or a comedy, this one is a mixture of both. The first half of the play follows the structure of a typical tragedy, while the latter half is very much a comedy.

Like the genre, the plot of the play is also rather complicated. It begins with King Leonetes (played by Ed Martineau) who tries to convince his friend King Polixenes (Tim Checkley) to stay for a longer visit, but Polixenes is determined to return to his kingdom. Leonetes then asks his pregnant wife, Hermione (Molly Goyer Gorman) to convince Polixenes to stay, which she does with very little effort. When Leonetes learns how easily Hermione convinced Polixenes, Leonetes assumes Hermione and Leonetes are having an affair and that

Hermione's unborn child is in fact Polixenes'. Leonetes confronts Hermione and tries her for adultery after she has given birth to baby girl Perdita (Rose McLaren) who is sent away. During the trial, Leonetes and Hermione's son Antigonus (Owen Holland) dies from the stress, which leads to (what they believe at the time to be) Hermione's death. Leonetes suddenly has a change of heart and realizes that his wife was innocent and that he is responsible for her death as well as their son's.

At this point, the play fast forwards 16

The Winter's Tale is one of Shakespeare's most confusing works. While most of his plays are clearly either a tragedy or a comedy, this one is both.

years and switches from a tragedy to a comedy. We now see Perdita as a beautiful young woman who was found and raised by a mad hatter (Ed Martineau). Perdita is in love with Florizel (Jess Crawford), Polixenes' son but does not think she can marry him because she is a mere shepherd's daughter. Luckily, Leonetes discovers Perdita, convinces Polixenes of her birth, and the two offspring marry. At this time the characters learn that Hermione did not actually die, and they all live happily ever after.

I had never read *The Winter's Tale* before

seeing this performance, and had I not read a brief plot synopsis beforehand, I probably would have been quite confused. As it was, I had difficulty keeping the characters straight, primarily because many of the actors played multiple parts and played characters of different genders. In addition — and I cannot hold this against them — they spoke not only the original Shakespeare dialogue but with their natural British accents as well. Between the two, particularly the former, I found myself straining to understand many of the lines.

Furthermore, because this was a traveling show, with sets that had to be sent over from England, there was no background scenery and the props were limited to a few chairs, a table, and puppet characters. All of these elements made the story rather difficult to follow.

Luckily, the actors were impressive in their professionalism and performance. That they could memorize all of the dialogue for multiple parts was a feat in itself. They all projected their voices and emotions well. Tim Checkley, who played both Leonetes and the mad hatter, was a bit over the top with wide eyes and strong facial expressions, but he certainly made his sentiments clear in a non-verbal manner. The other actors were more subtle in their characterizations, and they almost made me forget that they were actors and students.

Overall, I enjoyed the play and certainly appreciated the skill these actors exhibited. I wish they had chosen a less complex play or used more props to help the audience understand the plot, but I would certainly see the CAST ensemble again next year when they return with another work of Shakespeare.

CD REVIEW

Barcelona Debut

Album Not 'Absolute'

Music a Slightly Better-Than-Bland Blend

By Tyson C. McNulty

STAFF WRITER

Absolutes
Barcelona
Curb Appeal
Now Available

Like coffee. A lot. It's great. Now that the year's started, I seem to be drinking a lot more of it. More than I have over the last two weeks, anyway. Based on what I have written so far, you might think this an article about coffee. Hell no. It's an album review.

I listened to an album named *Absolutes*, by a band called Barcelona. I listened to it twice. I'm listening to it right now. Here's the two-sentence summary: "It's About Time," "Lesser Things," and "Colors" are the stand-out tracks, and they're basically an Interpol derivative. Saying that probably makes me look like a jackass. If the members of Barcelona were to read this, they'd be like, "What a jackass." Some people really like the two-sentence summary. If one of those people is you, then have that one. It's yours. I hate the two-sentence summary. I also hate long-winded analogies, though. But maybe you like them. If that's the case, you win.

So what is Barcelona like? Coffee comes to mind. Lots of things have been reminding me of coffee lately, though. And I don't even drink

Barcelona is not the best coffee in town. Try a cup. Immediately, I think you'd be able to make the connection.

that much coffee. Maybe two or three cups a day. Normal-sized cups. It's drinking coffee really late at night that can mess you up, though. It makes you all scatterbrained the next day. I had maybe two cups of coffee last night.

Barcelona reminds me of coffee. But there are different types of coffee, with important differences. Take Interpol, for instance. They're like that hipster coffee shop, though none of their customers would ever talk about it like that. Yes, that one. And it's so universally cool, as far as they're concerned, to go to this place, that they do it all the damn time. Some of them probably don't even like the way the coffee tastes. Or maybe they used to go wild for it and now they've changed their minds but don't want to say anything about it. Who knows. To be fair, they actually do make a pretty respectable brew. And for the sake of argument, let's even go as far as saying that it's the best coffee in this whole damn allegorical town.

Barcelona, on the other hand, is not the best coffee in town. Try a cup. Immediately, I think you'd be able to make the connection. Maybe it's intentional on their part, and maybe it isn't. "Lesser Things" is a good example of what I mean. Some people will probably like Barcelona's coffee better. That's not inconceivable. It's sweeter. Less bitter. No sort of acquired taste. The shop is admittedly way less crowded on a daily basis. Some people like that.

There are lots of other similar flavors out there, too. Like Snow Patrol. They're like the shop that used to be great until it got ZAGAT-rated, and now they practically sell sugar water and at half the price because their clientele nowadays can't really taste the difference. And somewhere in everyone's palate is a place for Guster, who practically have a shop on every street corner in town. They're like the fast-food coffee — the one with just as many calories as a cheeseburger. I think the purists are probably just pissed off that it's so damn delicious, but it's true that you probably won't get a buzz from it.

Does that even make sense? On a street somewhere in that town, among those bands, is where Barcelona would live if I were the one who drew all the maps. Something like that. My eyelid has seriously been twitching all morning. I think maybe I could use a nap.

CD REVIEW

New Foos Mix Loud and Light

Acoustically Advanced 'Echoes' May Alienate Rock Fans

By Josh Bails

Foo Fighters
Echoes, Silence, Patience & Grace
Gil Norton
RCA

The Foo Fighters are back with quite an interesting new album that will most likely cause mixed feelings throughout their rather broad fan base.

Though traditionally known to have a very energetic, upbeat, and rock-oriented sound, Foo Fighters' acoustic experiment on the second disc of their last major release, *In Your Honor*, was actually quite successful and well received. So well received, apparently, that the band has continued to pursue this lighter sound, which is evident on many tracks on their newest release, *Echoes, Silence, Patience & Grace*, which came out on Tuesday. While there is still plenty on the album in the same vein as classic Foo Fighters' rocked-out tracks, long-time fans may not approve of the band's new softer sounding focus.

The band further proves its acoustic prowess with songs such as "Stranger Things Have Happened," album-closer "Home," and instrumental piece "Ballad of the Beaconsfield Miners." In particular, the reflective "Strang-

er Things Have Happened" is an impressive showing of the band's songwriting abilities. It is yet another one of their unbelievably catchy songs that will probably get stuck in your head many times, but in this case with a much lighter feel than ever before. Hearing an acoustic guitar battle during the instrumental ballad was unexpected, refreshing, and extremely pleasing to the ears.

Tracks that the head-banging crowd will particularly appreciate are "Erase Replace," "Cheer Up Boys," and the album's first single, "The Pretender." "Erase Replace" seems to be the main relentless heavy-hitter on the disc and will almost certainly become a staple of their live shows. The drums here are especially prevalent and welcomingly overbearing, undoubtedly in response to all the acoustic tracks on which drummer Taylor Hawkins remains uncharacteristically quiet. Hopefully these tracks will prove to older fans that Dave Grohl and company still know how to rock, even though they have chosen to pursue lighter sounds as well.

On top of all this, what truly brings the new album together are the songs that tie together both the Foo Fighters' old rock roots and their new acoustic interests, such as "Let It Die," "Come Alive," and "But, Honestly."

Of these, the most flawlessly executed is easily "Let It Die," which practically redefines the transition from mellow to rocked-out mid song, as it straddles the border for quite some time before exploding for a fantastic finale.

Having now mixed their two previously separate sounds on a single disc, the future of Foo Fighters' live show remains up in the air. After releasing *In Your Honor*, the band went on a traditional tour playing their older material and selections from *In Your Honor*'s first disc. The band later did an entirely acoustic tour, often joined by folk legend Bob Dylan. Now that they are willingly mixing both sounds, it will be interesting to see how their live performances will transform and how fans will take the change. Personally, I'm quite happy with the new Foos, and impressed to see such a large band make such a bold move.

Echoes, Silence, Patience & Grace is possibly Foo Fighters' most complex release to date, but it may not be fully satisfying to many considering its wide range of sounds. Some will love the rock. Some will love the acoustic. Some will just think The Foo Fighters are all played out. Those that have a taste for both sides, however, will probably hold on to this CD for quite some time.

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The Best Shows of October 2007

Give the Desk a Rest for Del, !!!, Art Brut, and More

By Sarah Dupuis

ARTS EDITOR

You've made it through your first exams, enjoyed the year's first Suicide Prevention Day, and tooled to your heart's content — or at least tooled to your professor's heart's content. But something's missing. You crave a break from the weird and angular buildings that grace Massachusetts Ave. and its surrounding areas. You seek reprieve from the barely audible but somehow grating hum of your forever-in-use laptop. You desire dark venues with flashing lights and attractive strangers who share your tastes in music. Well, kiddo, I've got your prescription — get out of your dormitory and see some live music this October! Your brain will thank you for the break.

As always, those of special interest are noted with stars, and you can submit your suggestions for listings to arts@tech.mit.edu.

Monday, Oct. 1

The Brunettes

Middle East (Upstairs), 18+, \$10adv/\$12dos

This New Zealander band signed to Sub Pop can have as much fun as Debbie Harry — maybe.

Tuesday, Oct. 2

*The Good Life **

The Middle East (Downstairs), 18+, \$12

Cursive frontman Tim Kasher will surely sing songs about divorce, heartache, and all the usual Saddle Creek stuff, except tonight. It'll be soft. Real soft.

Nelly McKay

Paradise Rock Club, 18+, \$15

Rumor has it McKay is on a Broadway-tinged streak ever since her appearance in *The Threepenny Opera*. Though her new album is laced with theatrics to the extreme, perhaps the new songs will carry over well to a live setting.

Wednesday, Oct. 3

Arthur & Yu

Middle East (Upstairs), 18+, \$9adv/\$10dos

This cute boy-girl act is as weird as it is wonderful. Expect out-of-place instrumentation, obvious harmonies, and trippy electronics throughout the show.

Friday, Oct. 5

*Blitzen Trapper **

Middle East (Downstairs), 18+, \$12

Every member of the press and every member of the press'

dog has made a comparison between Blitzen Trapper and either Pavement or Neutral Milk Hotel. Though they fail to live up to either of the aforementioned greats, this is a neat act to check out, and I expect they'll bring lots of energy to their live performance.

Caribou

Middle East (Upstairs), 18+, \$10

No longer Manitoba, this appropriately Canadian band hits up Boston in support of their recent release *Andorra*, which at times sounds like it could have come out of the '60s. Check out the gorgeous track "Melody Day" on their MySpace for a great example of these lo-fi rockers.

Sunday, Oct. 7

The Donnas

Paradise Rock Club, 18+, \$15

What's that lyric again? Forty boys in forty nights? This femme fatale foursome will surely play sultry punk-pop and maybe wear matching outfits. This show is recommended for aspiring male groupies.

Thursday, Oct. 11

Hot Hot Heat

Paradise Rock Club, 18+, \$19.50

Now graduated from the ever-so-catchy hit "Bandages," Hot Hot Heat are making critics' A-lists and touring in support of a brand new album of indie rock.

Friday, Oct. 12

!!! (aka Three Exclamation Points)

Paradise Rock Club, 18+, \$15

It's pronounced *chk-chk-chk*, but if you didn't know that, you probably aren't cool enough to get in. Just kidding. I'm sure you're plenty cool. Attend if you like noisy disco funk with a heavy heap of rock thrown in.

Of Montreal

Roxy, All Ages, \$20

This is an American indie pop band. Read: American. Titrularly false, but enjoyable all the same.

Saturday, Oct. 13

Architecture in Helsinki

Paradise Rock Club, 18+, \$15

Staff writer Andy Lee is a big fan of these Australian musicians, and staff writer Andy Lee knows his stuff. Last time they came through Boston they supported Clap Your Hands Say Yeah. Now they've hit it big, so arrive early to beat the crowds.

Saturday, Oct. 20

*Del tha Funkee Homosapien **

Middle East (Downstairs), 18+, \$22

Did you know he's Ice Cube's cousin? And also a blue cartoon ghost in animated band Gorillaz? Make sure to check out this far-from-mainstream MC, noted for his excellent lyricism.

*Imperial Teen **

T.T. the Bear's Place, 18+, \$15

They're twice my age and playing way past my bedtime. You might remember them from the soundtrack to the semi-popular mid '90s film "Jawbreaker"; re-remember tonight at a quarter past midnight.

Monday, Oct. 22

Art Brut

Roxy, All Ages, \$20

So what if they're opening for the (less talented) Hold Steady? In my book this night is all about Art Brut, top of the pops — British punk with an intelligent and snarky attitude that calls to mind a cleaned-up version of The Sex Pistols.

Blind Melon

Harper's Ferry, 18+, \$12

Blind Melon reunion tour minus Shannon Hoon. If you lived through the '90s or have a taste for modern spins on classic rock, check out this show.

Wednesday, Oct. 24

Land of Talk

T.T. the Bear's Place, 18+, \$8

I saw these guys open for Menomena last spring which just about makes them golden in my book (and your newspaper). They play weird instruments and dress in cool outfits and you'll want to be them. Oh, and Small Sins are playing that night, too, which is another reason to go, I guess.

Saturday, Oct. 27

Big D and the Kids Table

Roxy, All Ages, \$15

You know you still secretly love ska. Bring out the kid in you and celebrate Halloween early at this show.

Sunday, Oct. 28

The Dead Trees

Middle East (Upstairs), 18+, \$9adv/\$10dos

I recently interviewed Newton band The Craters, who play with this band's drummer. They've just come off tour with Albert Hammond, Jr., so welcome them back to Boston at this end of October show.



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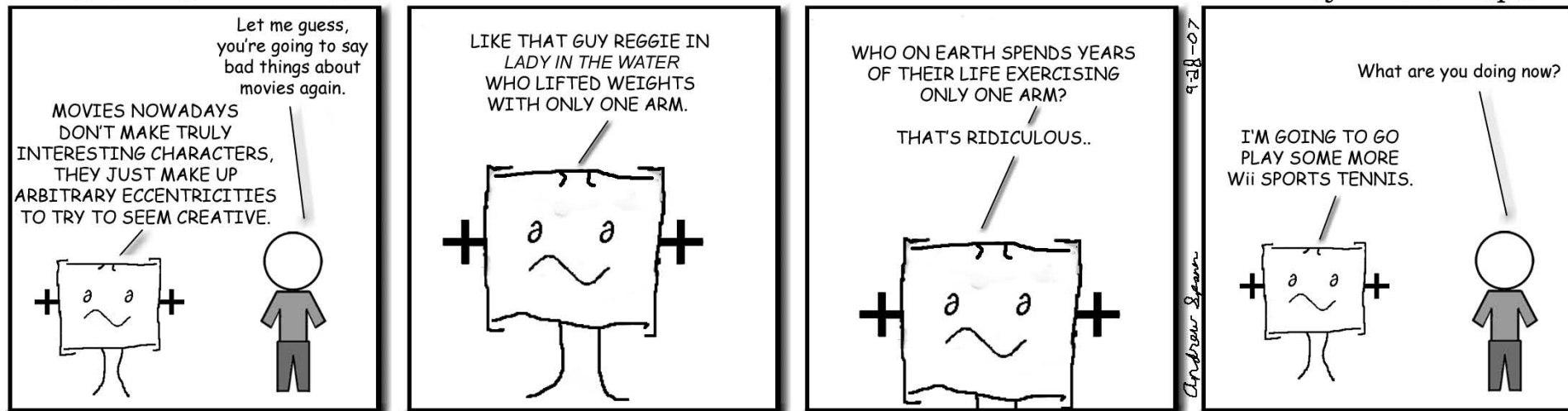
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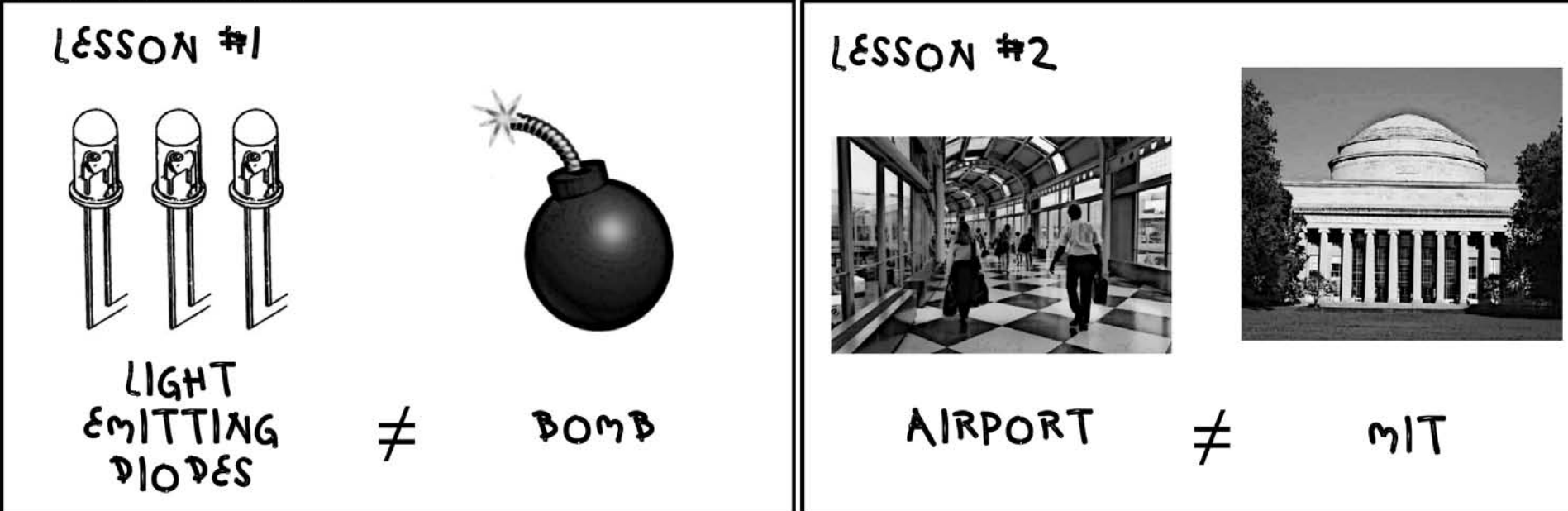
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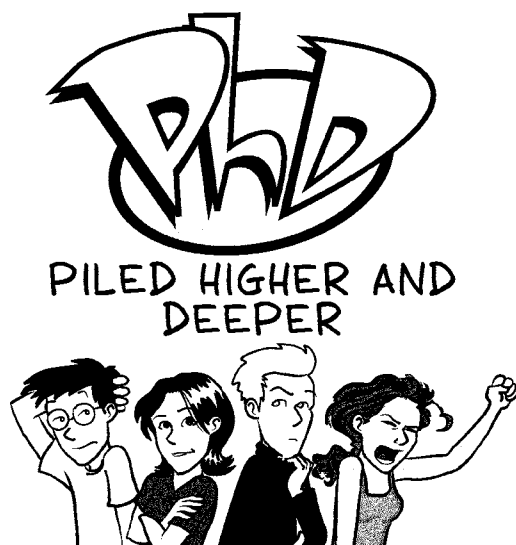
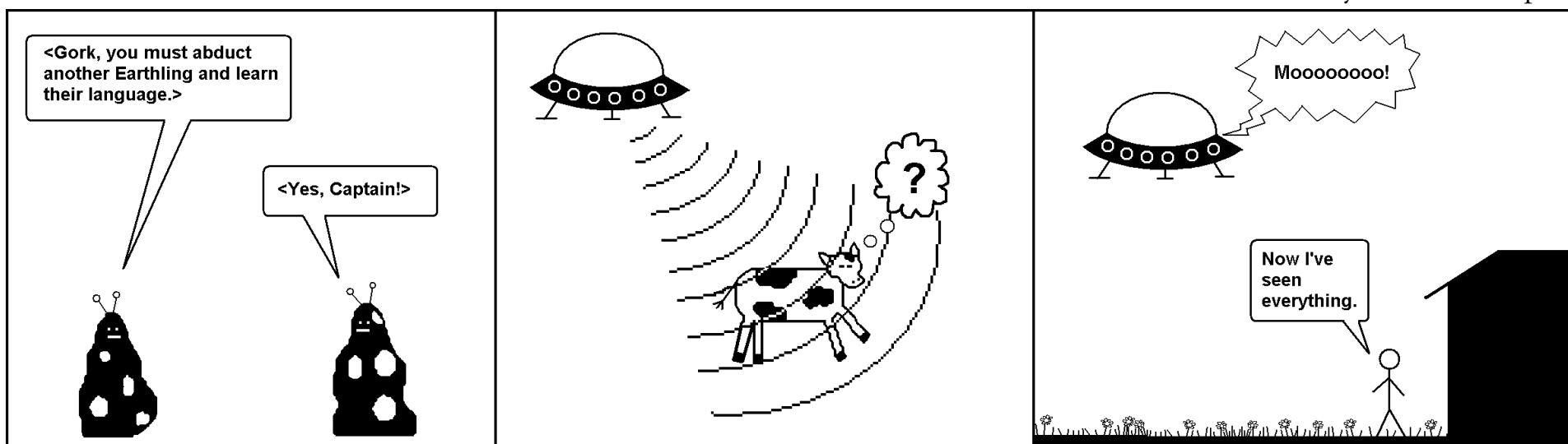


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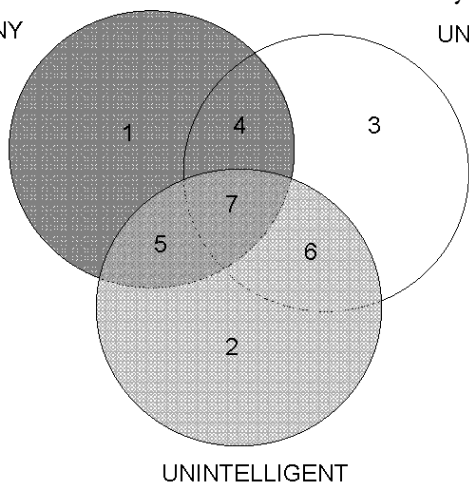
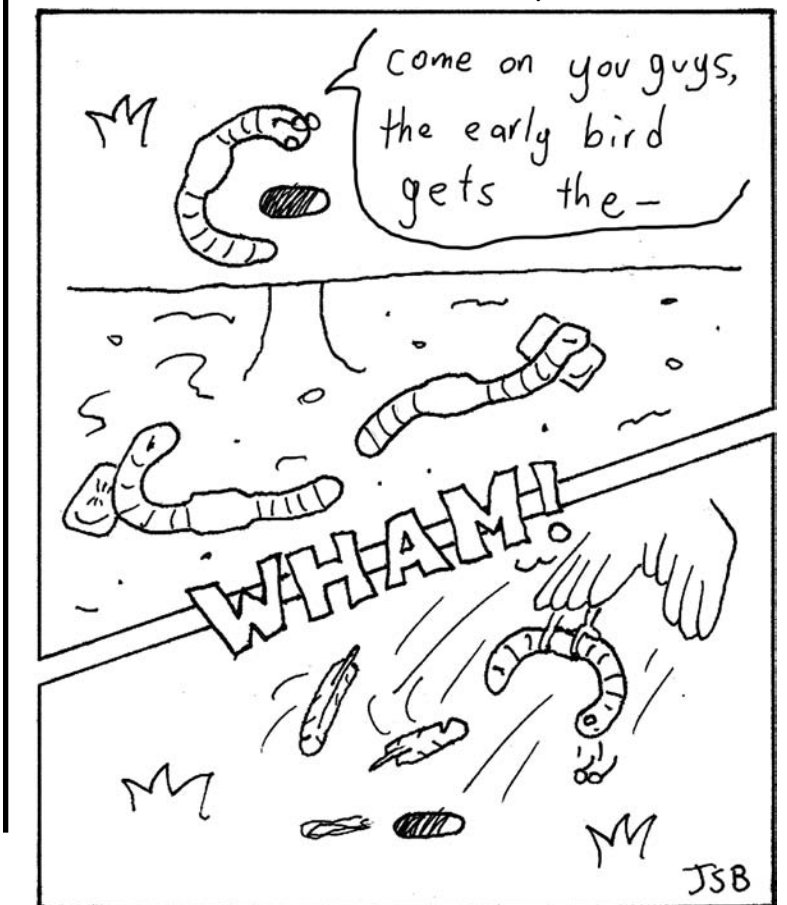


Figure 15. Venn diagram for categorization of humans and human activities. The above diagram is strictly comprehensive, in that whatever does not fit into a certain category fits into its opposite. For example, objects in category 4 are geeky and not funny, but also smart; those in 1 are cool and smart, but not funny, etc. Instances of each category include: 1 – James Bond; 2 – Jackass; 3 – Borat; 4 – Playing chess; 5 – Gambling (also, Paris Hilton, God I couldn't help it); 6 – Napoleon Dynamite; 7 – Throwing chunks of sodium metal into the Charles.

Mad Science

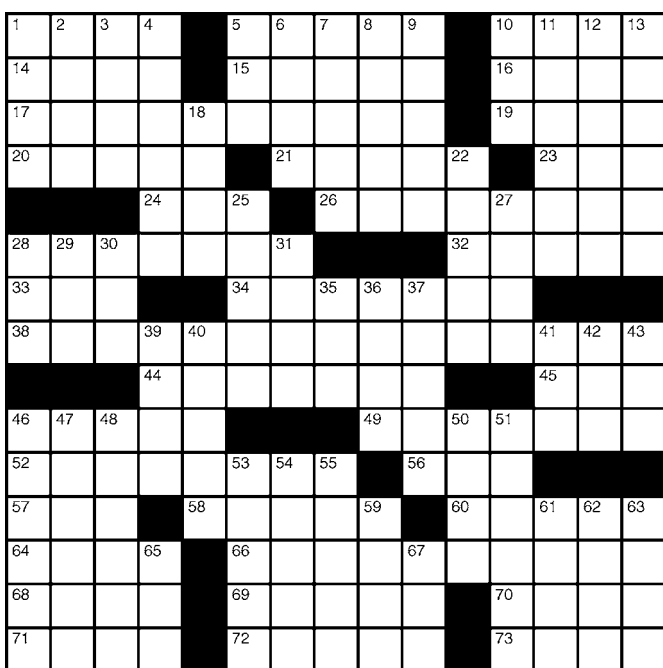
by Scott Berdahl



Crossword Puzzle

ACROSS

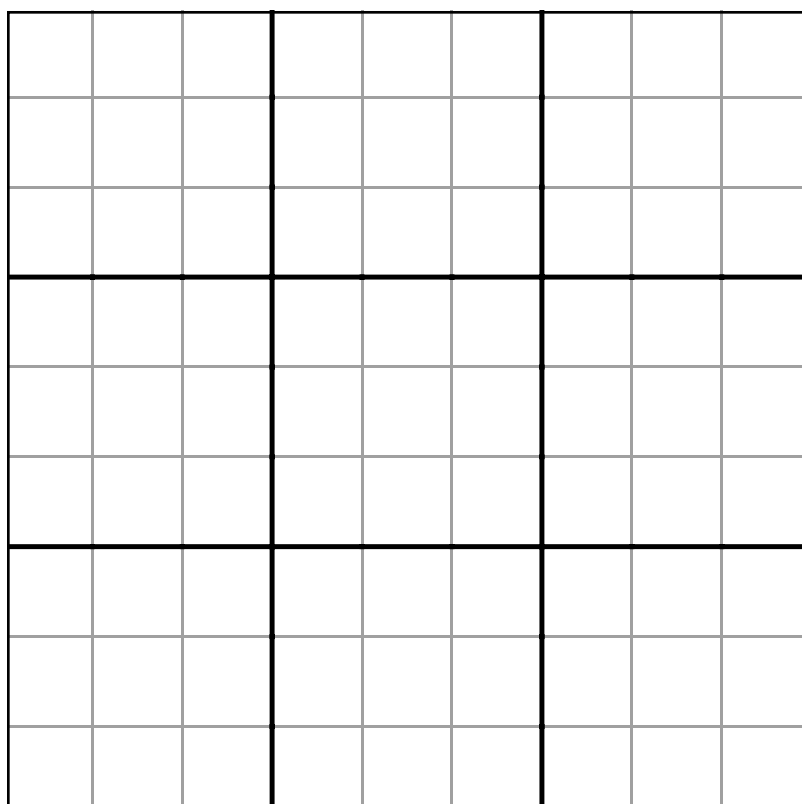
- 1 Brine-cured cheese
- 5 Number one
- 10 Declared
- 14 Swear to
- 15 Tense situation
- 16 Ex-Yankee Martinez
- 17 Hack
- 19 Language of Pakistan
- 20 Fur-trade pioneer
- 21 Scorches
- 23 Band booking
- 24 Big __, CA
- 26 Hack
- 28 Gymnast
- 32 Pester
- 33 Bishopric
- 34 Preschoolers' center
- 38 Hack
- 44 Added bubbles
- 45 Lennon's lover
- 46 Pickpocketed
- 49 Returns into custody
- 52 Hack
- 56 Puppy bite
- 57 Internet add.
- 58 Strongboxes
- 60 Use credit
- 64 Engrave with acid



- 66 Hack
- 68 Jai __
- 69 Actress Samantha
- 70 Classic Chevy
- 71 Daily Planet reporter
- 72 Work stations
- 73 Weight-loss plan
- 2 Le Gallienne and Gabor
- 3 Printed matter
- 4 Melodic passage
- 5 HST's predecessor
- 6 Writer Murdoch
- 7 Spoke wildly
- 8 Cover with goo
- 9 Hang around
- 10 R-V contents
- 11 Pneumatic shooter
- 12 Deep blue
- 13 Soft and heavy
- 18 Beat up
- 22 Say "Boo!" to
- 25 Speed checker
- 27 SSS designation
- 28 Dunderhead
- 29 Company VIP
- 30 Gridiron zebra
- 31 Scarlett's home
- 35 Still
- 36 Talkative trucker
- 37 Shakespear-ean forest
- 39 Fine-grained mineral
- 40 Calendar parts
- 41 Heyerdahl's __-Tiki
- 42 Ill. neighbor
- 43 Figs.
- 46 Shrill sound
- 47 Snapping reptile
- 48 Container with a spout
- 50 __ en scene
- 51 Tack on
- 53 Made chitchat
- 54 Old enough
- 55 Ice masses
- 59 Location of Mt. Rushmore
- 61 "The Time Machine" people
- 62 Campbell of "Scream"
- 63 Confound it!
- 65 Broadway smash
- 67 Timecard abbr.

Solution, page 15

ku
do
ns
su



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 on page 15.

Solution, tips, and computer program at <http://www.sudoku.com>

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Elite Colleges Expand Aid to Middle Class Families

By Linda K. Wertheimer
THE BOSTON GLOBE

Some of the nation's most elite colleges, trying to ward off perceptions that they've become unaffordable to even high-income families, are bolstering their financial aid packages by offering grants to students whose parents earn as much as \$180,000 a year.

Officials at these colleges, where costs can run \$50,000 annually, say they are putting more money into aid because the price is deterring good students from applying. In the past three years, the schools have heavily promoted news that they will essentially give free rides for students from families making \$50,000 to \$60,000 or less, but they have been less vocal about what they can offer for families earning \$100,000 or more.

"The misconception is you get financial aid only if you're poor," William R. Fitzsimmons, dean of admissions and financial aid at Harvard, told about 160 parents and their college-bound children last week at a recruitment event at a Worcester hotel also attended by admissions officers from Duke, Stanford, Georgetown, and Penn.

Fitzsimmons and the other officials said they are increasingly reaching out to families caught in the middle: those who are too wealthy to be eligible for federal grants, but not so wealthy as to be able to absorb the

\$50,000 a year for college, particularly with the rising costs of home ownership.

A decade ago, when the annual price for elite colleges hovered near \$30,000, the five colleges gave little or no financial aid to families earning \$100,000 or more, unless they had more than one child in college. Now, colleges say they typically cover between \$20,000 and \$30,000 of the \$50,000 bill for comparable families.

At Harvard, the average need-based grant for families in the \$100,000-\$140,000 income range last school year was \$21,693, up from \$17,910 in 2004-05.

At Stanford, a family with an income of more than \$100,000 with one child in college would get about \$30,000 this academic year, compared with just \$4,000 to \$5,000 a decade ago. Stanford specifically targeted \$5 million of its \$10 million overall aid increase last year for middle- and higher-income families, its financial aid director said.

College officials define middle class as families who make \$100,000 and more per year.

The colleges say the emphasis on aid to higher-income families has not come at the expense of lower-income students. Like Stanford, many have doubled or nearly doubled the money they put into financial aid during the last decade in order to help families

from a wider range of incomes, with the biggest infusion of aid coming in the past three years.

Still, some financial specialists and school counselors urge parents to listen to colleges' promises of financial aid with some caution.

"Until the financial aid award comes, no one is certain what it will be," said Robert Bardwell, the immediate past president of the Massachusetts School Counselors Association and director of guidance at Monson High School. "I would hate for a kid to think a school they want to go to isn't available to them because of the money. At the same time, I don't want a kid strung along and being told, 'Apply, apply, apply,' and then get nothing or very little in aid."

At the admissions directors' presentation in Worcester, Fitzsimmons stunned many parents when he showed a slide of the income levels of Harvard's 3,357 undergraduate aid recipients last academic year. About 40 percent of the recipients came from families who made more than \$100,000, while just over 30 percent were from families making under \$60,000. The highest income on the slide was \$180,000 and above.

"I was very surprised that they offer financial aid to people who make more than \$180,000," said Kathy Daigle of Sterling, a registered nurse who said she and her husband, who

owns a printing company, consider themselves middle class and view \$180,000 as high income. "The cost is on everybody's minds. It is expensive, and you have to weigh that."

The admissions directors spoke about financial aid during a presentation delivered in rapid-fire monologues synchronized with slides. They also extolled their classes, facilities, and scenic campuses.

After the evening presentation at the Beechwood Hotel, the admissions officers spread out around the ballroom and an adjoining hall. Students plied them with questions, mostly about how to get into the colleges.

Parents hung back, preferring to let their children talk with the college officials face to face. But they said that the issue of paying for college was high on their agenda and that the aid pitch had eased their stress somewhat.

"I've told him to go for whatever college he wants, because I'm confident we'll do whatever we can to afford it," Mark Rutan, a software developer, said of his son, Pat, a senior at Algonquin Regional High School in Northborough. "There's the back of my mind where I say, 'I'm worried about this.'"

A 1978 Yale graduate, Rutan said he earned a third of his college tuition in a summer job, when the annual cost was roughly \$6,000. "He's

not going to make \$17,000 in a summer," he said of his son.

Those worries were also on display the next morning, when the admissions officers met with about 20 counselors from Worcester-area schools over breakfast at the hotel.

Sue Michaud, a counselor at Burncoat High in Worcester, said students from many middle-income families at her school are applying to state colleges and ignoring the top private schools because of price. "What kind of hope is out there for middle-class families?" Michaud asked.

The colleges will help, but the middle- and higher-income families still have to decide whether they are willing to make financial and personal sacrifices to contribute \$20,000 or more a year, said Dan Warner, Stanford's assistant dean of admissions.

"It's a question of choice. Where's the give and take?" said Warner, adding that some parents may have to decide whether to buy a bigger house or send their child to an expensive college.

Michaud, whose son is a high school senior, said she appreciated the forum as a chance to speak her mind.

"It was almost liberating as a middle-income parent to be able to say what I feel for the majority of middle-income parents," Michaud said. "It's a struggle."

UA Still Accepting Late Petitions for Open Senate Seats

UA Elections, from Page 1

record-breaking or very near to it.

There are currently no students running for UA Senate positions from Random Hall, Bexley Hall, or Baker House. The lack of Senate candidates from Baker particularly surprised Holmes, who noted the significant proportion of pre-orientation Freshman Leadership Program

participants who later become Baker residents. UA Election Commissioner Alexis Zhu '08 said that many FLP participants are running for class council positions.

At press time, there were seven Senatorial positions without candidates: two each from Baker (which has two Senate seats in total) and the Interfraternity Council (five seats in total), and one each from

Bexley (one seat in total), Random (one seat in total), and MacGregor House (two seats in total). The number of Senator positions for each dormitory or residence is determined by student population. Students can still become official Senate candidates for these dormitories and groups, UA Election Commissioner JiangWei (Alexis) Zhu '08 said. Late petitions, only

offered for open seats, are due on Monday, Oct. 1 at 5 p.m.

Candidates currently do not know who they are running against, as the UA has chosen not to publish that information yet. Zhu said that this was a way to encourage all candidates to continue campaigning and get to know their constituents. If a list of candidates is released early, candidates of uncontested positions may not make the effort to campaign, Zhu said.

"It gets to the point where people in your class don't know who you are, where people in your building don't know who you are," Zhu said. "I want people to get a feel for what their classmates want."

Zhu said a list of candidates will be published on the UA Web site this weekend before voting begins so that students can look at the candidates' platforms.

At the Sept. 20 candidates meeting, Zhu and Holmes laid out the election guidelines, explaining the process of becoming a candidate and the campaign rules and restrictions. Zhu emphasized the importance of following election procedures. "We're going to be very strict with deadlines," Zhu said, on behalf of the Election Commission. "We're really tightening everything up, getting everything to be systematic, with no smudging or fudging."

During the Spring 2007 elections, a controversy had erupted in the 2008 Class Council vice presidential election as a student was granted an extension for his petition, then removed from the ballot, reinstated, had "violated election rules" appended to his name, then ultimately removed from the ballot. Zhu, in an effort to prevent this problem from recurring, repeated herself regarding deadlines, stating that she would not accept any regular petitions late.

Voter turnout is expected to increase, Holmes said. He described the meeting as "pretty packed." A total of 48 interested students attended

the meeting, more than double the typical 15-20, an interest that Holmes said he hopes will carry over to the voter side. The Fall 2006 election yield of 1,083 votes was a small decrease from 2005 when 1,160 votes were cast. However, freshman participation is expected to rise again; 466 votes were cast in 2005 and 547 in 2006.

ElectComm hopes to become more involved in the campaigning aspect of elections. Zhu will hold office hours in the UA Office, Room W20-401, on Saturday, Sept. 29 from 2-4 p.m. to give tips regarding campaigning, answer questions, and accept late petitions. Furthermore, a UA official will be in the Student Center on Oct. 1 to publicize the election.

All class council positions — including president, vice president, secretary, treasurer, publicity chair, and social chair — for the Class of 2011 are being voted on. The publicity chair and social chair positions can be held by either an individual or a pair of students.

According to the election packet given to candidates, class council officers will be "responsible for promoting class unity, organizing class social events, and conducting any other business of the class," as opposed to UA Senators, responsible for legislation. Senate Representative positions are on the ballot for all of the dormitories, fraternities, sororities, and independent living groups.

A debate sponsored jointly by The Tech and the UA featuring the six 2011 Class Council presidential candidates will be held from 5-7 p.m. on Sunday, Sept. 30 on the first floor of the Student Center in front of LaVerde's Market.

Online voting for the election begins on Monday, Oct. 1 ends Thursday, Oct. 4. Paper voting is available in Lobby 10 on Friday, Oct. 5 from 9 a.m. - 5 p.m., and election results will be posted at midnight on Oct. 6.

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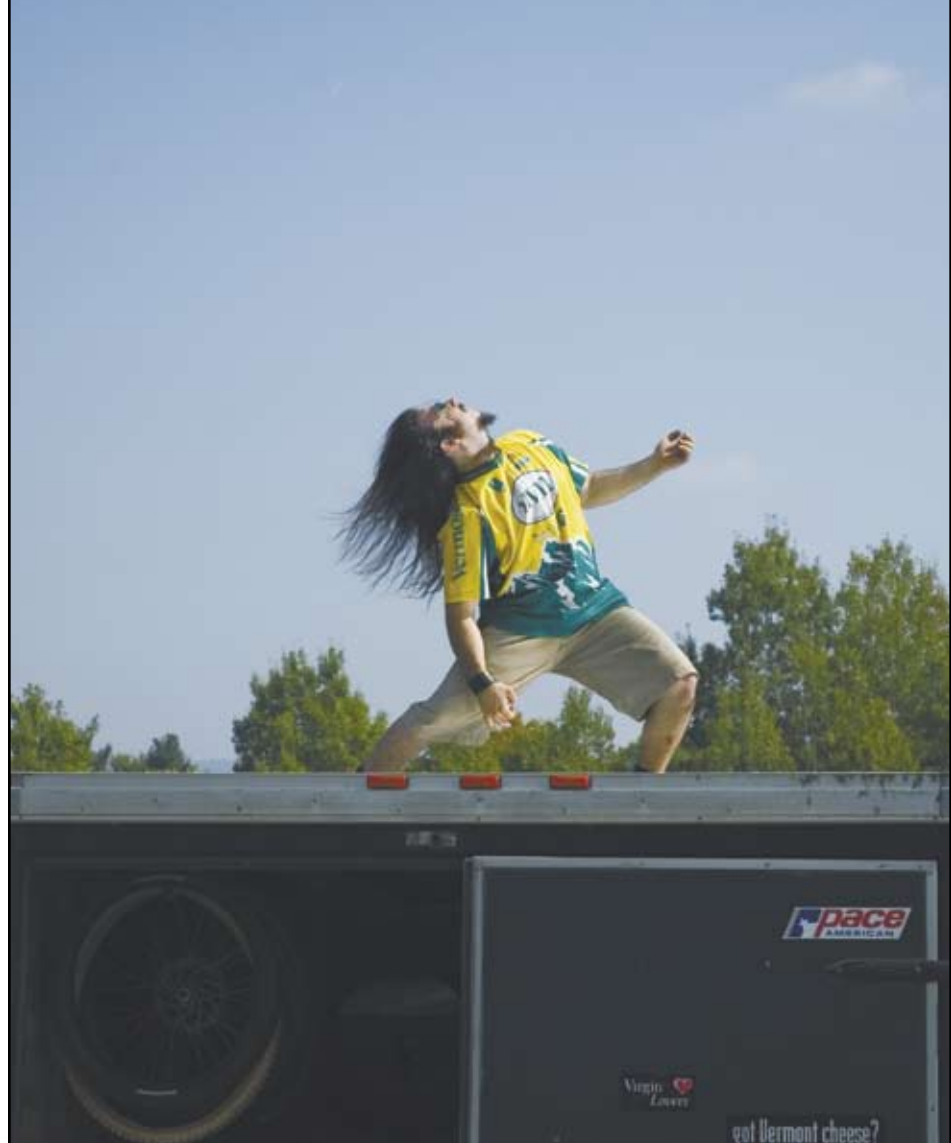
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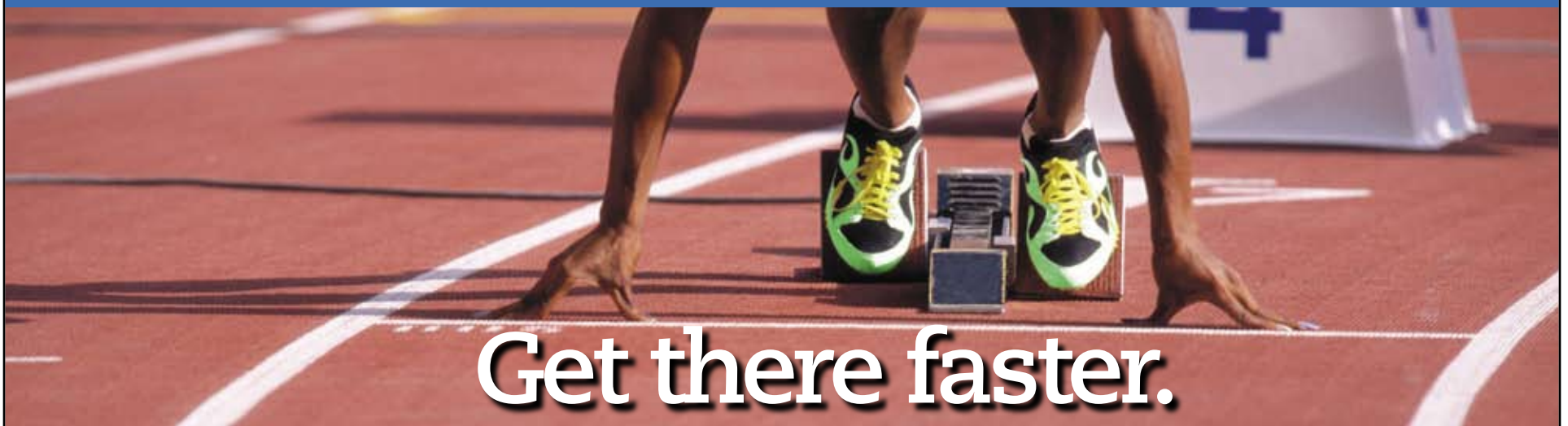


MIT Mountain Bikers Take On Tough Course



The University of Massachusetts-Amherst cycling team held a series of races on their campus this past Saturday, Sept. 22.
 (above) Lisa F. Marshall G takes the hole shot at the start of the Women's B category race.
 (right) A student from the University of Vermont rocks out on top of a bike trailer during races on the UMass-Amherst campus.
 Photography by Omari Stephens

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THE BOSTON CONSULTING GROUP

Columbia University Still Reeling After Visit From Iran President

By Karen W. Arenson
THE NEW YORK TIMES

Before Iran's president took the stage at Columbia University on Monday, the university's president, Lee C. Bollinger, sent out an early-morning e-mail message, calling on students and faculty "to live up to the best of Columbia's traditions." Yesterday, many critics questioned whether Mr. Bollinger had met that test himself.

On campus and in editorials across the nation, on political blogs and throughout academia, there was a sharp division of opinion about Mr. Bollinger's pointed introduction of the Iranian president, Mahmoud Ahmadinejad, as a man who exhibited "all the signs of a petty and cruel dictator" and whose denial of the Holocaust was "either brazenly provocative or astonishingly uneducated."

Some said Mr. Bollinger's remarks were just the rebuke that Mr. Ahmadinejad deserved. Others said they were embarrassing and offensive. And there were still questions about whether Mr. Ahmadinejad should have been afforded a public platform at a prestigious university at all.

Rashid Khalidi, a professor of Arab studies and director of the Middle East Institute at Columbia, said, "The tone from the host of an event was uncivil and uncalled for."

"The president of the university had every right to state his differences," he said. "That was more than acceptable. But I believe it was embarrassing to the university, frankly, that they should decide to invite him and then treat him in this manner."

But Emily Steinberger, a sophomore who is a spokeswoman for LionPAC, a pro-Israel group at Columbia that had vehemently opposed Mr. Ahmadinejad's invitation, applauded Mr. Bollinger.

"President Bollinger was caustic in his criticism of Ahmadinejad, but anything else would have been inappropriate and troubling," said Ms. Steinberger, of Teaneck, N.J. "Bollinger repeatedly said that his invitation in no way represented a condoning of Ahmadinejad's worldviews and poli-

cies, and yesterday he proved that."

Columbia's provost, Alan Brinkley, said the controversy "was of a magnitude we hadn't seen before."

"This really was the biggest event I've seen since I've started as provost," said Dr. Brinkley, who called it too early to judge the fallout for Columbia.

A university spokesman, David M. Stone, said that Mr. Bollinger, a legal scholar whose specialty is freedom of speech and freedom of the press, was not available to comment yesterday because he had a tight schedule.

A number of Iranian-born scholars — experts about the Middle East who now live in the United States — said they were shocked by Mr. Bollinger.

"If I as a faculty member had done

this in front of my president, I would been out the next day," said Ali Akbar Mahdi, a professor of sociology at Ohio Wesleyan University. Dr. Mahdai, who is a critic of Mr. Ahmadinejad's, added, "I was taken aback."

So was Hamid Zangeneh, a professor of economics at Widener University in Pennsylvania and editor of *The Journal of Iranian Research and Analysis*. "I was disgusted by the uncivilized behavior by President Bollinger," he said. "I don't think it is becoming for the president of a university to engage in such behavior. It wasn't academic. It wasn't common sense."

"Instead of behaving like a scholar, a president," he said, "he behaved like a hooligan."

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Solution to Crossword

from page 9

F	E	T	A		F	I	R	S	T		S	A	I	D
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K	E	N	T		D	E	S	K	S		D	I	E	T

Solution to Sudoku

from page 9

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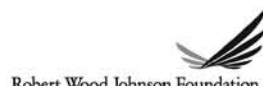
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Yale Endowment Grows 28 Percent, Tops \$22 Billion

By Geraldine Fabrikant
THE NEW YORK TIMES

The Yale Endowment, which has led the academic world in investment performance over the last decade, posted a 28 percent return Wednesday for the fiscal year ended June 30, bringing its total value to \$22.5 billion.

The endowment, which has been run by David F. Swensen since 1988, outperformed all its competitors, according to preliminary data widely circulated among endowment offices.

The Yale Endowment has had a 17.8 percent average annual return over the last decade, beating Harvard, its nearest rival in size, by 2.8 percentage points. During that 10-year period, Princeton came closest to Yale, with a 16.2 percent return.

The second-best-performing school last year was Amherst College, which generated a 27.8 percent return, to raise its value to \$1.7 billion. Generally the larger university endowments do better than the smaller ones, according to data compiled by the National Association of College and University Business Officers.

Among the top 10 performing endowments last year, Notre Dame, Duke, Michigan, Virginia and Northwestern all had returns over 25 percent. Notre Dame came in third behind Yale and Amherst at 25.9 percent. Harvard, which has been in the news lately because of the sudden departure of its investment chief, Mohamed A. El-Erian, posted a 23 percent return, bringing its endowment to \$34.9 billion.

Many indexes also posted very strong results in the fiscal year. The Wilshire 5000 was up 19.6 percent, and the Standard & Poor's 500-stock index rose 18.36 percent, while the Morgan Stanley Emerging Markets index rose 41.76 percent.

Nevertheless, Mr. Swensen, who was an early leader in creating a strategy of investments diversified beyond stocks and bonds, outperformed rivals. He argued in his book "Pioneering Portfolio Management" that depending solely on stocks and bonds would not necessarily provide enough protection to a fund. His approach has led Yale's endowment into hedge funds, private equity funds and hard assets like timber and oil and gas, and made his performance

one that is closely watched by Wall Street.

A growing number of schools have followed suit. "What Swensen taught everyone to do was not to get the preferred return on bonds because it was too low and to control risk by diversification and careful selection of managers, and he is very good at picking managers," said Bruce C.N. Greenwald, professor of finance at Columbia University Business School.

While fiscal 2007 was a generally bullish time for markets, the last several months have been tumultuous as the housing market debacle took its toll on many investors. Mr. Swensen said that in the last three months, the university had posted "modest positive investment returns."

But he was noncommittal about the coming months. "Things look tough to me, but that is always the case," he said.

While Yale's 28 percent return appears to be the best return last year for a university endowment, in 2000 Yale had a 41 percent return, Mr. Swensen said in an e-mail message. "But the dollar gains were less be-

cause we were working with a lower base," he wrote. "Our \$5 billion of fiscal year 2007 investment gains amazes me."

The endowment's performance has become increasingly crucial to Yale. Projected spending from the endowment in the university's 2007-8 fiscal year is \$843 million, or 37 percent of Yale's net revenue. The endowment's contribution to Yale's operating budget has increased nearly fourfold in 10 years, and is its single largest source of support.

Yale's endowment continues to be diversified, but Mr. Swensen declined to say which asset class performed best. His target asset allocation for fiscal 2008 is fairly similar to the allocation for 2007. The biggest allocation — 28 percent of Yale's funds — is in real assets. Last year, those included real estate, oil and gas and timberland, Yale's report showed.

The second-largest allocation is to what Yale calls absolute return investments, which generally means hedge funds. Yale is slightly reducing that stake to 23 percent, from 25 percent, according to Mr. Swensen.

The endowment is also planning

a slight reduction in domestic equities to 11 percent, from 12 percent. Fixed-income and private equity will remain at 4 percent and 15 percent respectively, and private equity is increasing 2 percentage points to 19 percent, Mr. Swensen said.

Mr. Swensen said yesterday that nearly all the numbers that universities reported were above the Cambridge Associates median 19.3 percent for colleges and universities. "This is another case of the larger endowments (with diversified, equity-oriented portfolios) doing better than the smaller endowments," he said.

The endowment world is extremely competitive. As one expert on endowments noted, it was an easy year to have a relatively high number, but for endowment managers the question was how they did against the internal benchmarks they create for each asset class. For equities, that could be the Wilshire 5000 or the S&P, for example. For hedge funds, it might be the performance of funds of funds that own a range of hedge funds. An equally important measure is how the endowment did against its peers.

DARPA Team Consults With Many MIT Departments

DARPA, from Page 1

John J. Leonard, professor of mechanical and ocean engineering, entered into the latest Defense Advanced Research Projects Agency's Grand Challenge. The goal is to build an autonomous car which can drive in an urban environment.

The difficulty of the goal becomes apparent when one considers the list of obstacles that DARPA is planning to throw in the paths of the vehicles. From large potholes and weak GPS signals to downed tree branches, obstructing construction equipment, and blocked roads, the cars will have to find their way from an initial position to a final position by sequentially visiting certain intersections, known only by their GPS coordinates. The car has to use a map of the course to navigate from one intersection to the next.

The challenge is so difficult that the MIT team has been working closely with many MIT departments, including Mechanical Engineering, Aeronautics and Astronautics, Electrical Engineering and Computer Science, as well as the School of Engineering and the Computer Science and Artificial Intelligence Laboratory. "It's great to be part of the MIT community where there are so many experts and so many people willing to offer advice," Professor Seth Teller of EECS, a faculty adviser for the challenge, said.

The level of difficulty involved in the Urban Challenge is what appealed to the members of the team, Teller said. Well, that and the potential for wide-ranging benefits to the environment, productivity, and safety. Troy Jones, an engineer at Draper Laboratory who has been working on the project since late

July, said that although DARPA's goal of creating autonomous vehicles for supplying the armed forces and performing reconnaissance is important, the project has the potential to save even more lives by making automobiles safer.

Autonomous cars could also boost productivity by allowing people to work during the time that they would normally have spent driving. Teller also described how future cars may communicate with each other in order to remain at speed when entering intersections, thus saving energy.

The competition, which began in May 2006, has thus far consisted of an application and a site visit. Coming up for the 36 remaining teams is the semi-final round to be held Oct. 26-31 in Victorville, Calif. Land Rover, the company that donated the MIT car, will also take care of transporting the modified vehicle to

the former George Air Force Base. The top 20 teams in the semi-final round will move on to compete in the finals on Nov. 3.

Both undergraduate and graduate students have been driving forces in the project. Teller said that students approached the faculty with the idea of competing for the \$2 million first prize. According to Gaston A. Fiore G, a graduate student in the Aeronautics and Astronautics Department, the students have learned not just about technical aspects but also about group dynamics.

The team has expectations beyond just qualifying for the final round. Robert D. Truax '08 said that the team "definitely has a chance at winning." "Because the programmers are so ambitious and trying to make it the perfect vehicle, if something unexpected comes up, our car has a great chance of

overcoming it," Truax said. "We're trying to go above and beyond the competition."

The MIT team stands out from the crowd in that the team hopes to do more than simply win the Grand Challenge. The faculty hopes that, if the car proves successful, an autonomous vehicle laboratory could be created at MIT to continue studying this technology. Fiore said the students would like the car's software to be open-source and available for public use. This would allow others to build on the progress made by the team at MIT. DARPA, in turn, would receive design solutions to the problem of creating autonomous urban vehicles.

When asked if the massive time commitment was worth it, Fiore replied that "it's rewarding in a lot of aspects. You develop something and you get to test it. It's your own little creation."



ALEX H. CHAN—THE TECH

The construction of the NW35, the new Ashdown House, on the northwest side of campus continues. If all goes according to plan, the first residents will be admitted in the summer or fall of 2008.

Clearinghouse Instated For Fall Fraternity Rush

IFC Rush, from Page 1

that the IFC Judicial Committee coordinates "random and spontaneous inspections [for alcohol]."

Overall, rush is run by a "self-governing system," Fematt said. "Each house acts in its own interest, and its members are aware of the consequences [of misconduct]."

Despite these rules, there have been infractions in the past few years, "many of which were not reported to IFC," Miller said. Last year, an incident involving the serving of alcohol was reported, which sparked some question regarding the flexibility of rush rules. Miller said that she "did not see any more or fewer recruitment violations" this year compared to previous years. "Alcohol wasn't reported this year," Miller said. "Most of the violations were relatively minor." IFC declined to comment on any specific infractions from the past few years.

E. Darryl Walton '09, IFC JudComm chair, described JudComm's policy of due process to be fair and unbiased. "Upon receiving a complaint, JudComm handles a detailed investigation," he said. The board, which consists of "representatives sent by the fraternities [whom] are held in high regard," hears the allegations for all rush-related violations and determines the sanctions, Walton said. Any house that broke the code "would have to deal with scrutiny from IFC, MIT, Boston, and the surrounding community," Miller said, so the brothers do not take the rules lightly.

PBE Rush Chair Xiao Wei Chen '09 explained that the house was required to "get rid of all the alcohol or lock it in the [graduate resident tutor's] room until the end of rush, even for brothers over the age of 21."

One change in this year's rush procedure was the brothers' ability

to wear their letters and openly state their affiliation. Brothers were "excited to wear their letters," Eads said. The change in procedure "allowed freshmen to see how proud people were to be Greek," Karanikas said. "Brothers could wear their letters in pride." This development also made the rush process "less aggressive because fraternity members didn't have to secretly tell [the freshmen their affiliation]," Karanikas said.

The Clearinghouse system, which records the names of rushes, their times of arrival and departure at each fraternity, and their destination, was also instated this year. Miller said that the system has both advantages and disadvantages: it can keep track of each person in case emergency contact is necessary, but it can also be interpreted as a violation of privacy. However, it's "not meant to be a 'big brother,'" Miller said. "Freshmen can request to opt out of being tracked if they feel uncomfortable."

Female involvement in fraternity rush decreased this year because of concurrent sorority recruitment. Chen said that the "lack of females was anticipated" and that "houses asked rush girls to help out knowing that they had other obligations." However, both recruitments were successful and no large impact was made on rush.

Even after rush has ended, fraternities are still encouraged to recruit. The administration, through the FSILG office, offers support to all members of the Greek system, and Miller said that "there have been no major conflicts [between IFC and the school]."

In terms of future improvement, Fematt said he hopes to "improve online resources" and "give more information about all fraternity events," even after rush ends. For more information, visit <http://www.rush.mit.edu/> or <http://www.ifc.mit.edu/>.

Liskov to Focus on Recruitment

Minority Professor Says Tenure Process Needs Major Reforms

Diversity, from Page 1

tics Michel A. DeGraff said in an e-mail to *The Tech* that the process needs major reforms. DeGraff said that the tenure-related issues raised by the Sherley case have been discussed in national media, from CNN to *Science Magazine*, and said that he was "stunned" to find that Liskov felt it was not a problem.

"It seems as if the administration, even through its 'Equity'-related appointments, is still in a state of denial vis-a-vis the crucial issues that were painfully illustrated in the Sherley case," he said in an e-mail. "The main gate-keeping mechanism at MIT — the tenure process and the grievance procedures associated with it — seems riddled with structural problems."

DeGraff said he was also dissatisfied with the way the position was filled. "One of my many concerns is that these appointments were made in a top-down fashion with apparently little consultation with the minority faculty," DeGraff said he feels the race initiative needs to be autonomous from an administration.

Reif said that he, Harris, and Liskov would be "responsible for assessing and implementing [the] recommendations" of the race initiative committee. The committee released a preliminary report on July 16 which the new associate provosts will examine. The race initiative, which was announced in early February, will attempt to take stock of the current situation for racial minorities.

The solution to the diversity problem, DeGraff said, lies with the majority faculty at MIT, not the minority faculty. "It is the majority faculty who should be the main focus of interviews so that MIT can better understand the attitudinal and structural obstacles to increased diversity at MIT," DeGraff said in the e-mail. "I myself doubt that the minority faculty will be forthcoming in candidly expressing their views about their experiences at MIT. It is not clear that the junior faculty, waiting and hoping to be tenured, would be well advised to do so."

Liskov, whose appointment took effect on July 1, 2007, comes to the position from the department of Electrical Engineering and Computer Science and from her role as co-chair of the Faculty Diversity Committee. Harris, who could not be reached for comment, will join Liskov on Feb. 16, 2008, when he will step down as head of the Aeronautics and Astronautics Department, according to an MIT press release.

Liskov said she wants to focus on the recruitment process that is used to attract and select candidates for faculty positions. "We need to advertise in the right places," Liskov said. "Sometimes it's important in the case of attracting women and minorities to be a little proactive so that we're looking for people who could be encouraged to apply instead of just reading applications that come in."

She said that she also wants to investigate the possibility of tracking MIT graduates who would im-

prove faculty diversity, as well as candidates from past searches "who looked good but didn't quite fit into one search" in order to bring them in for other job interviews.

All efforts at diversifying the faculty would, by necessity, come through expanding the pool of applicants rather than by employing affirmative action, Liskov said. "Hiring decisions must be made by people who are knowledgeable in the correct field."

Both Liskov and Harris have experience working on diversity issues, according to an MIT press release. Liskov has worked with the gender equity committees of MIT's five schools, while Harris served as director of the Office of Minority Education.

The appointment of Harris and Liskov marks a stage in the history of faculty diversification at MIT, which began in 1995 with the creation of the Committee on Women Faculty in the School of Science. After a 1999 report which concluded that women felt "gender had probably caused their professional lives to differ significantly from those of their male colleagues," President Charles M. Vest formed gender equity committees in the four other schools.

In 2000, the 12-member Council on Faculty Diversity was created, also in response to the report. The Associate Provost for Faculty Equity position is an expansion of the Council on Faculty Diversity chair position and was created in September 2006.

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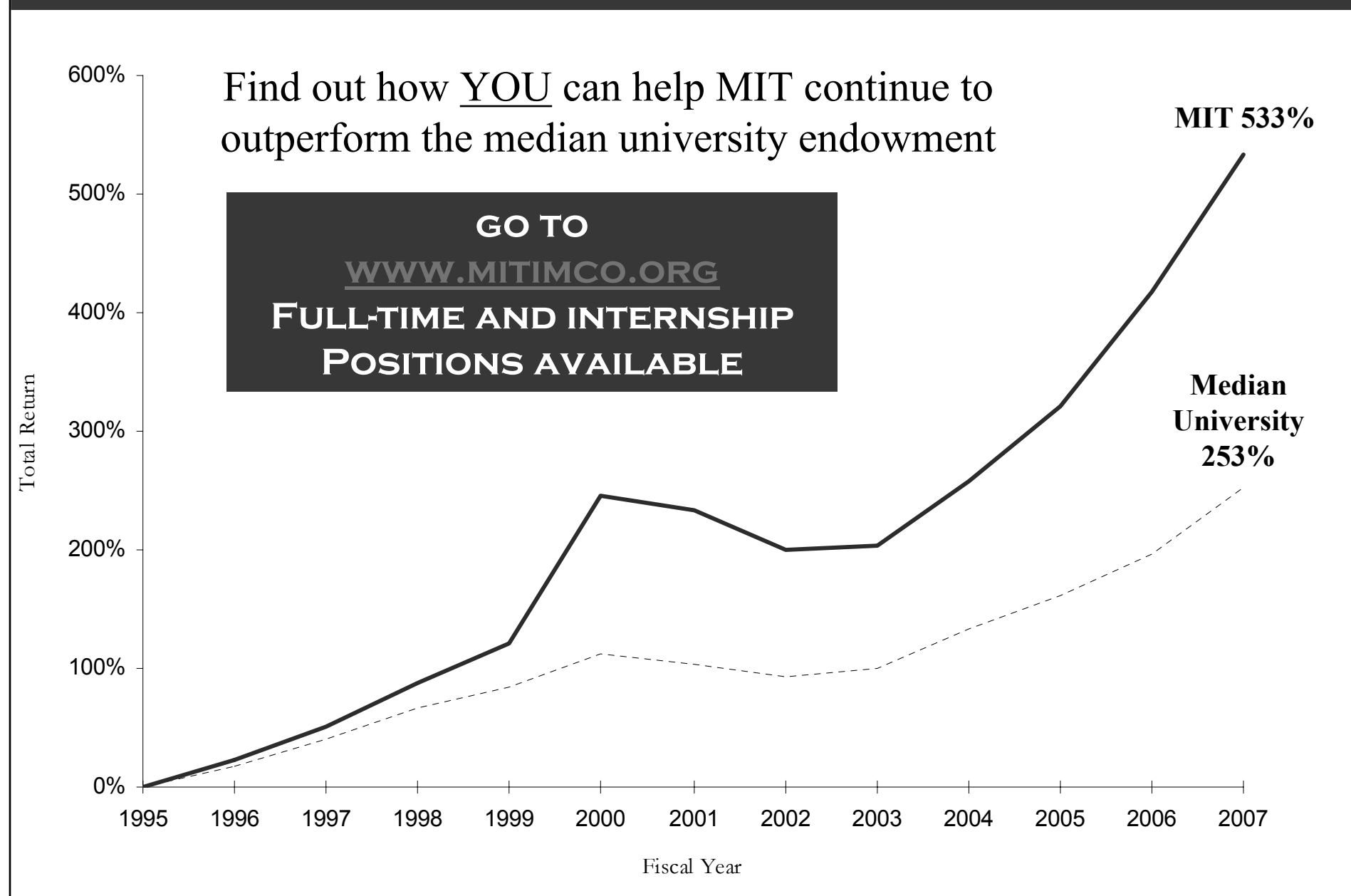
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Belichick's Skills at Managing Team Lost In Spying Aftermath

Patriots, from Page 20

spying really teach Belichick how to manage the salary cap, draft players other teams deemed worthless, and develop the versatility for which New England is known? Unless the video camera somehow captured the inner workings of his brain, that's an unlikely theory. I'll be the first to admit that videotaping signals was foolish, but I find it ridiculous that people attribute all of the Patriots' success to an awareness of defensive signals.

Now the talk has turned to how spying will affect Belichick's legacy. At least for now, people discuss his achievements and the spying debacle in the same breath. Whether this will continue remains to be seen, but I'll let you be the judge after you read this example. I browsed around Borders Books and Music on Sunday,

and as I was leaving, I ran across a section of discount items. *Patriot Reign*, Michael Holley's book describing the Patriots' rise to glory under Belichick's guidance, was the cheapest item on the rack at \$2.99. Not typical for a previous *New York Times* bestseller, especially in comparison to the \$5.99 romance novels.

At any rate, the new question I want answered relates to Belichick's status for the 2008 season. Will he be around for the coming season, contrary to a report by the *New York Post* that Goodell will ban him from the league? As a Patriots fan, I certainly hope so, especially after watching those gorgeous Brady-Moss touchdown plays. At the very least, the Patriots seem to want him around — they signed Belichick to a contract extension through 2013, just days after the scandal broke.

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Buchanan Sets MIT Record With 51 Digs in Semis

Volleyball, from Page 20

30-23, 30-15 victory over Bowdoin in pool play in the Championship Bracket last Friday afternoon. The match was so businesslike, in fact, that only a few dozen fans had settled in to watch the 4 p.m. competition by the time it concluded.

The highlight of the match was MIT's 12-point run in the third game: with Jennifer Li '11 serving, Tech pushed a close 12-9 game out of reach in running the score to 24-9. The stretch included back-to-back blocks by Cleeland, as well as a host of sloppy play by the Polar Bears.

Middle hitter Katherine C. Rowe '10, who entered the tournament with a team-leading 3.74 kills per game, and opposite hitter Katrina M. Ellison '10 both contributed eight kills, while Cleeland totaled five blocks. Morris, the team's starting setter and last year's Tournament MVP, added 31 assists, 16 digs, and three aces.

Speedy victory against Wesleyan

Last Friday's nighttime match against Wesleyan showed a marked improvement in attendance and fan fervor, and the Engineers didn't disappoint in posting a 30-26, 30-21, 30-15 win. After a particularly well-placed dink by Ellison in the first game, Tech's fans — who arrived bearing homemade signs and wearing hats of deconstructed volleyballs and foam fingers — shouted, "Number eight is super great!"

Rowe had another stellar match in recording 12 kills and proved particularly lethal in pounding spikes down the line. Morris displayed her usual setting prowess in racking up 27 assists to go with five blocks, while Buchanan recorded 12 digs.

Marathon win over Williams

Tech pulled out a nail-biter against New England Small College Athletic Conference power Williams, overcoming a 3-8 deficit in the decisive fifth game to win 30-17, 32-34,

30-22, 26-30, 25-13 last Saturday afternoon. In the most exciting game of the tournament, libero Buchanan racked up her record-breaking 51 digs, never shying away from the floor and frequently somersaulting head over heels to save the point.

After the first game ended 30-17, the Engineers appeared to be on their way to a routine semifinal victory. However, Williams had other ideas in overcoming a 20-15 deficit and fighting off four game points. While leading 33-32, Williams capitalized on MIT's inability to finish the game with a strong spike.

MIT was all business in the third game, exhibiting a renewed intensity in breaking open a 13-12 game to 22-15 in the blink of an eye. The Ephs never seriously threatened, and MIT finished off the game 30-22.

The match's seesaw trend continued in the fourth game, as Williams led early, only to see MIT scratch its way back to a 21-18 advantage. A series of hitting errors, poor returns,

and Ephs kills led to another reversal of fortune, as Williams held a game point at 29-26. A Tech miscommunication caused a floater to drop at Buchanan's feet, and both teams readied themselves for the fifth game.

Williams opened up the decisive game with a kill, quickly running up an 8-3 lead. However, Williams' Nicole Ballon-Landa served into the net, and after that Cleeland took over the game. After two consecutive point-ending spikes and two consecutive blocks, MIT had knotted the score at eight apiece. Williams managed a 12-9 lead, but MIT recorded the next three points to tie again at 12. At 14-13, defensive specialist Lindsay E. Hunting '09 hit a ball off of Whitney Hitchcock to win the game.

The statistics lines for the match were particularly impressive; in addition to Buchanan's 51 digs, Zhong and Catherine Melnikow '10 added 20 apiece. Rowe and Zhong each recorded 16 kills, Morris had 58 assists, and Cleeland tallied 12 blocks.

Superior play in finals

An Ellison spike completed the Engineers' final match against Tufts University, running the score to 30-25, 30-18, 30-20, in a Saturday evening match that seemed almost anticlimactic after the drama of the Williams match. This was the second consecutive year that MIT defeated Tufts in the finals of the Invitational.

The first game was the tightest, as Tech trailed for parts of the game before taking the lead for good at 26-25. On game point, Buchanan watched a spike sail out to win the game 30-25.

The rest of the match sailed by as well, as Tech never relinquished control. The Engineers padded their statistics lines, as Zhong recorded her second consecutive double-double with 12 digs and 13 kills. Hunting also tallied 12 digs, while Morris contributed 43 assists.

MIT takes the court today for two matches against Bridgewater and Brockport. The first match starts at 4 p.m. in Rockwell Cage.

Smith-Bronstein Nets Seven Goals in Games Against Camels, Lions

Water Polo, from Page 20

with three and two steals, respectively.

In the afternoon's second match-up against the Lions, the Engineers received three-goal efforts from Artz and Preis, while Kalwarowsky and Lewis each added a pair of strikes. Darcy's lone goal, combined with Smith-Bronstein's game-high four, completed Tech's offensive output.

Laidlaw, the team's only senior, secured four assists and two steals to help the Cardinal and Gray at

both ends of the pool.

Mendoza and Nicholas A. Souza '10 split time in goal against Penn State-Behrend, with Mendoza making two saves and Souza contributing five. Each keeper allowed three goals.

The Engineers will have a lengthy recuperation period, as they will not play again until Oct. 4 when the team travels to California. Tech will take on the University of Redlands and Long Beach State University in stand-alone games, as well as compete in the Claremont Convergence tournament.

Tech Records Lowest One-, Two-Day Totals Since 2005 at Hanover Course

Golf, from Page 20

Following the team's notable Saturday showing, the Cardinal and Gray started even more impressively on Sunday, as first-hole birdie putts from Keith and Brown highlighted a great front nine that put the Engineers in strong position. However, swirling winds and tricky pin placements led to higher scores on the final nine holes. Brown led the way with an 80, while Keith (82), Fowler (86), Oehlerking

(90), and Waldwick (97) completed Tech's second-round totals.

Head coach Bruce Chalas praised Brown's steadiness and Oehlerking's putting, while also noting that he was pleased with the overall team effort

and camaraderie.

MIT will return to the links on Saturday, Oct. 6, when it will compete in the two-day Eastern College Athletic Conference New England Championship in Chicopee, Mass.

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SPORTS

Tech Women Pound Tufts in Final Match Of MIT Invitational

By Caroline Huang
SPORTS EDITOR

The MIT women's volleyball team won its home tournament for the third consecutive year, defeating Tufts University in the championship match by a score of 30-25, 30-18, 30-20. Along the way, Tech (14-1) also bested Bowdoin and Wesleyan in pool play and Williams in the semifinals during last Friday and Saturday's MIT Women's Volleyball Invitational, held in Rockwell Cage.

Tournament MVP and team captain Carrie C. Buchanan '08 led the Engineers' defensive effort, tallying 51 digs against Williams in the semifinals to set an Institute record for digs in a match. The 51 digs made Buchanan only the ninth person in Division III history to record at least 50 digs in a five-game match. Her stellar performance also earned

her plaudits from the New England Women's and Men's Athletic Conference, who named her the NEWMAC Player of the Week.

The Engineers were without the services of Alexandra T. May '10, a member of last year's All-Tournament Team and an Honorable Mention All-American outside hitter, because of a leg injury. Middle hitter Barden E. Cleeland '10, who returned earlier this season from an anterior cruciate ligament injury suffered last year, participated in all four matches but did not yet appear to be at full strength. Despite these setbacks, the three captains — libero Buchanan, outside hitter Rose Zhong '08, and All-Tournament setter Amanda J. Morris '08 — led the team to its fifth Invitational title.

Businesslike start to pool play

MIT opened with a quick 30-22,

Volleyball, Page 19



DAVID M. TEMPLETON—THE TECH

Claire M. DeRosa '11 heads the ball while teammate Andrea E. Bradshaw '09 and Westfield State's Jenn Leveille look on during the women's soccer game at Steinbrenner Stadium Tuesday afternoon. The Engineers lost 0-3, breaking the Beavers' six-match winning streak.

Tech Water Polo Wins Pair, Ranks Fifth in All Of Div. III

By Jeff Lemieux
DAPER STAFF

The MIT men's water polo team, ranked fifth nationally in Division III, used a balanced offensive attack to earn a pair of victories against Connecticut College and Penn State-Behrend on Sunday afternoon in New London, Conn. The Engineers downed the Camels, 21-11, before returning to the pool almost immediately to defeat the Lions, 15-6.

Tech moved to 7-4 with the two wins and snapped a three-game losing streak in the process, though all three of those losses came at the hands of Division I opponents.

Michael R. Smith-Bronstein '09 served as MIT's offensive catalyst in both games, notching three goals and four assists in the opening match against Connecticut College before bagging four more goals in the second game against Penn State-Behrend. His seven-goal effort boosted his season total to 31 goals, good for second on the team behind John V. Preis '11 who has 38.

Mark E. Artz '10 matched Smith-Bronstein's three-goal total in the opener against the Camels, while Preis, Matthew J. Perkins '11, Devin M. Lewis '10, Robert J. Kalwarowsky '10, and St. Julien Palmer Rosemond '09 contributed two goals apiece. Gavin Darcy '11, Jacob L. Rosenbluth '10, Grant D. Tomassi '11, Morgan S. Laidlaw '08, and Spencer D. Williams '11 each added a single strike to round out the scoring. The balanced attack totaled seven players with multi-goal efforts, equaling a season high, and 12 different scorers, which was the most for the Cardinal and Gray in 2007.

Hiroshi A. Mendoza '10 stopped four shots while manning the net against the Camels, and Lewis and Laidlaw aided the defensive effort

Water Polo, Page 19

Spying Debacle Leads to Questions About Belichick's Unwise Actions

By Caroline Huang
SPORTS EDITOR

Two weeks after the Bill Belichick spying debacle, in which league officials caught Patriots video assistant Matthew Estrella filming Jets defensive signals, the New England Patriots' record stands at 3-0. When the Pats destroyed the New York Jets 38-14 on Sept. 9 in their season-opener, no one thought that the focus of the game would be a video camera instead of the superior New England offense. When the National Football League released schedules, the San Francisco Chargers-Pats game promised to be one of the premier American Football Conference matchups; instead, it was another 38-14 blow-

out. This past Sunday, the Patriots were favored by 16.5 points against the Buffalo Bills; the final score of 38-7 actually eclipsed the already-outlandish line.

However, despite exclamations of just how good the Patriots are — and make no mistake, they're the class of the league thus far — the focus hasn't been on their stellar play. Instead, plenty of people — from sportswriters to coaches to players to fans — have denounced the Patriots as little more than cheaters. Players such as Brian Dawkins and Sheldon Brown, members of the 2004 Philadelphia Eagles team that lost to the Pats in Super Bowl XXXIX, have even questioned the legitimacy of the New England victory.

After all of the opinions, com-

mentary, news articles, and statements, the media circus surrounding the incident leaves one question unanswered. Why would one of the smartest coaches in NFL history plant a cameraman in plain sight of league officials?

Paranoia. To be more specific, a fear of losing his edge. MIT students can relate to the pressure to remain ahead of the competition. It is tough to constantly be on the cutting edge of any discipline, be it play-calling or biological engineering. It is also tough when people start actively rooting for you to fail.

Would the media skewer a coach and a team if they hadn't won three Super Bowls in a four-year span and been declared this season's early Super Bowl favorite? What if it hadn't been Bill Belichick and the 3-0 Patriots, but Scott Linehan and the 0-3 Saint Louis Rams? I doubt that as many people would be speaking out about the unfairness of taping signals. Yes, that may directly correlate with success, but that line of thinking focuses too much on the result rather than the process.

On Friday, the Associated Press published an interesting article by Dave Goldberg that has a great line: "The Patriots have stayed at the top of the NFL for most of this century because they understand how to put together a team of players to fill specific roles and keep finding unheralded players such as [Randall] Gay." Did

Patriots, Page 18

Men's Golf Posts Best Showing in Nearly Two Seasons

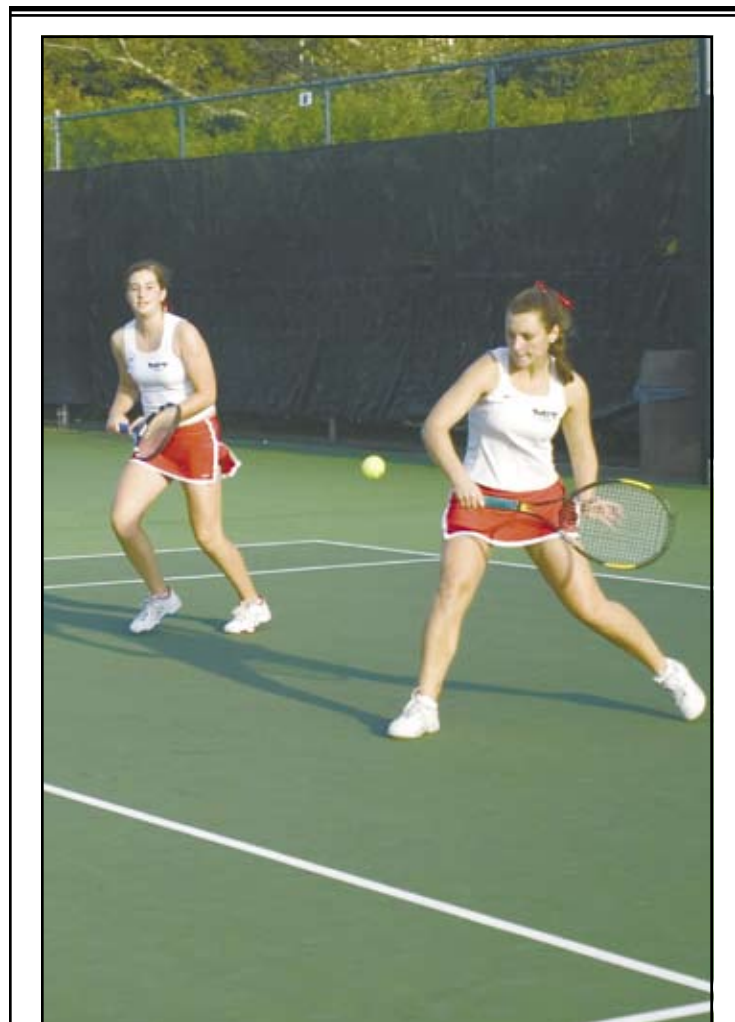
By Jeff Lemieux
DAPER STAFF

The MIT men's golf team posted a Saturday team score of 330 and two-day team total of 668 — the lowest respective scores earned by the Engineers in nearly two years — in this past weekend's Dartmouth Invitational at Hanover Country Club. Despite turning in its best outing of the season, the team placed eighth out of nine schools in competition against a field of seven Division I opponents.

Tech hadn't managed a lower single-day or two-day tournament total since Oct. 20, 2005 when the team posted scores of 325 and 659, respectively, at the New England Intercollegiate Golf Championship.

Anthony G. Fowler '09, playing in front of his visiting family, turned in the Engineers' lowest score for the weekend with a 76 on Saturday. Edward B. Keith '09 used confident putting to shoot an 81, while Bradley S. Brown '08 (86), Austin L. Oehlerking '08 (87) and Bryn L. Waldwick '10 (97) rounded out MIT's opening day scores.

Golf, Page 19



SHERRY X. YAN

Sophomore Katherine M. Smyth '10 concentrates during the women's tennis game against Tufts University Thursday, Sept. 27.

UPCOMING HOME EVENTS

Friday, Sept. 28, 2007

Women's Volleyball vs. Bridgewater 4 p.m., Rockwell Cage
Women's Volleyball vs. Brockport 8 p.m., Rockwell Cage

Saturday, Sept. 29, 2007

Men's Heavyweight Crew, Alumni Race 8 a.m., Charles River
Men's Lightweight Crew, Alumni Race 9 a.m., Charles River
Rifle vs. Mass Maritime and Wentworth 9 a.m., duPont Athletic Center
Sailing, Smith Trophy 9 a.m., Charles River
Women's Open Crew, Alumnae Race 9 a.m., Charles River
Field Hockey, Alumnae Event 10 a.m., Jack Barry Field
Men's Soccer vs. Coast Guard 10:30 a.m., Steinbrenner Stadium
Field Hockey vs. Mount Holyoke 1 p.m., Jack Barry Field
Football vs. UMass-Dartmouth 2 p.m., Steinbrenner Stadium

Sunday, Sept. 30, 2007

Sailing, Smith Trophy 9 a.m., Charles River