



MINDY ENG—THE TECH

A young girl experiments with a new elevation mapping display at the MIT Museum. The museum had a grand re-opening on Saturday and Sunday after an extensive renovation added the Mark Epstein Innovation Gallery on the first floor.

OLPC and Intel Collaborate on Laptop for Developing Countries

By Nick Bushak
ASSOCIATE NEWS EDITOR

As it moves toward beginning full-scale production of the XO (also known as the \$100 Laptop) in October, the One Laptop Per Child Foundation has increased the price of its laptop from previous estimates to approximately \$188 per laptop. In addition, the non-profit has announced a "Give 1 Get 1" program allowing the public to donate \$399 that will enable the foundation to give a laptop to a child in the developing world. The foundation will give donors a laptop in consideration for their donation.

The price of the laptop increased from previous estimates of \$177 to \$188 per laptop, OLPC spokesperson George Snell told Reuters in mid-September. Walter R. Bender

SM '80, president of OLPC Software and Content, said that "since we've never sold any, I wouldn't characterize it as a price increase." "We will always sell the laptop at price equals cost," Bender said. Snell told CNN in September that the increase was a result of currency fluctuations and rising costs of components.

Mass production of the XO, which is being produced by Taiwanese laptop giant Quanta Computer Inc., will start "sometime in the last week or so of October," Bender said. Previous delays resulted because laptop software and hardware were not ready. Because production is finally starting, Bender said he expects the laptop only to decrease in price after production begins.

OLPC has been tight-lipped about the countries that have signed

as initial customers. "Until we were in production, we couldn't sign agreements, but we are doing that now," Bender said. He said he was "not at liberty" to release the names of the OLPC's initial customers, but he did say that "there are confirmed places."

However, OLPC might have a hard time actually selling the laptops to countries that made commitments. Nicholas P. Negroponte '66, founder and chairman of OLPC, said recently to the *International Herald Tribune*, "I have to some degree underestimated the difference between shaking the hand of a head of state and having a check written," adding that "it has been a disappointment."

OLPC announced a program

Laptop, Page 11

Candidates Share Priorities, Goals In UA's 2011 Class Council Debate

By Ryan Ko
STAFF REPORTER

The five Class of 2011 presidential candidates squared off on the first floor of the Student Center for the first-ever Freshman Class Council Presidential Debate on Sunday at 5 p.m.

The debate was held the evening before online voting opened for both 2011 Class Council and Undergraduate Association Senate elections. Candidate platforms were released the same night, and late petitions for open seats as of the Sept. 26 deadline were accepted until yesterday at 5 p.m. (See tables on page

for full list of candidates.)

The debate, co-sponsored by The Tech and UA, was moderated by Tech Chairman Michael McGraw-Herdeg '08. He first asked the candidates how they would allocate the Class of 2011 budget of approximately \$20,000.

Grant D. Tomassi '11 emphasized the need for a place where students can purchase food 24 hours a day, while Christina R. Johnson '11 suggested monthly class dinners. "We all love free food," she said. Daniel C. Li '11 stressed the need for "communications," such as a class bulletin board and Web

site where students can find study groups. Both Kevin A. Rustagi '11 and Daniel Chen '11 suggested Web sites where students may find problem set solutions, study group listings, and other useful information.

McGraw-Herdeg then raised the topic of campus division, noting that all five candidates reside on west campus. Rustagi responded that he found it "a little interesting that we're all technically from the west side of campus, but I don't think that should stop us from listening to all the members of the Class of

UA Elections, Page 13

Book Explores History of Measurement, MIT Smoot; Author, Smoot Visit Institute

By Marie Y. Thibault
STAFF REPORTER

The story of the MIT Smoot is gaining new fame, thanks to a recently-published book called "Smoot's Ear: The Measure of Humanity." Oliver R. Smoot '62, the Smoot's namesake, was on hand to hear author Robert Tavernor, an architect and professor of architecture and urban design at the London School of Economics and Political Science, discuss the book last Tuesday.

Those who traverse the Harvard Bridge regularly are probably familiar with the Smoot since the bridge is painted and measured as being 364.4 Smoots plus one ear. In the Stata Center, Tavernor recounted the story to his audience, a mix of students, alumni, and people unaffiliated with MIT. In 1958, Smoot, known to his friends as Ollie, was the shortest member of the Lambda Chi Alpha fraternity pledge class and so "his body was chosen as sacrifice," Tavernor said, by pledge trainer Thomas H. O'Connor, Jr. Under the supervision of an LCA brother, the other members of the pledge class



WILLIARD J. JOHNSON

Oliver R. Smoot '62 joined the freshmen of Lambda Chi Alpha for the annual re-painting of the Smoot-marks on the Harvard Bridge. Smoot was in town last week for a lecture on author Robert Tavernor's new book, *Smoot's Ear: The Measure of Humanity*.

were to mark off the entire length of the Harvard Bridge using Smoot's body as a unit of measurement.

After more than two hours, Smoot's body had covered the entire length of

the bridge. Photographs of the process shown at the lecture revealed a scene "looking like something out of

Smoot, Page 12

'Genius Grants' Provide Two Alums \$500,000 to Pursue Dream Projects

By Arkajit Dey
STAFF REPORTER

Two MIT alumni were awarded "genius grants" by the MacArthur Foundation last week. The fellows, Saul T. Griffith PhD '04 and Yoky Matsuoka PhD '98, will receive a stipend of \$500,000 over the course of five years that may be spent however they wish. Griffith and Matsuoka are among 24 recipients this year.

According to the Foundation Web site biographies, Griffith, an inventor, "holds several patents in optics, textiles, and nanotechnology." Matsuoka, an assistant professor and robotics expert at the University of Washington, "creates sophisticated prosthetic devices and designs complementary rehabilita-

tion strategies."

Griffith said his initial reaction was one of "shock and delight" when the director of the MacArthur Foundation called to inform him that he had won the award. He described it as a "Mission Impossible moment" because the follow-up letter told fellows that "we trust that you can spend this money more effectively than we can to help make the world better."

"It took me off guard," Matsuoka said. At first, she "couldn't believe that they were talking about me." The call began with a warning that "they're about to tell you something shocking" and that she should set down anything "fragile, like a baby."

MacArthur, Page 15

'Geek' Shares Lessons Learned, Experiences on Reality Show

Gardner Is Third MIT Student to Participate in CW Show

By Yiwei Zhang

John U. Gardner G is MIT's latest "geek" contestant on the CW reality show "Beauty and the Geek." Gardner, a member of the MIT Class of 2007, is currently working toward master's degrees in Course VI (Electrical Engineering and Computer Science) and Course VIII (Physics). He talked to The Tech about his experience and what it was like to be the "token MIT guy" on the show. Now in its fourth season, "Beauty and the Geek" airs on Tuesdays at 8 p.m. on the CW.

The Tech: What made you decide to try out for the show?

John Gardner: I was close friends with [Matthew A. Herman '06] from last season, and he thought that I would be good for the show, [that] I would be someone they would be looking for. So he encouraged me

to audition. I went to the auditions and it was a lot of fun and it seemed like a fantastic experience so I went through all the rounds of auditions.

TT: Was the experience of the show what you expected it to be?

JG: It was very different than I expected actually. You know, I felt that I got a lot closer to the people, the other cast members. I thought everyone was really great. I think that one of the things we all had in common was [that] people really were

Geek, Page 14

In Short

¶ **State of the Institute Forum** today at 11 a.m. in Kresge. Hockfield, Provost Reif, Chancellor Clay, and Exec. VP Stone discuss MIT now, as well as in the year ahead. Bring prepared questions for the Q&A.

¶ **The MIT Libraries' book sale** will be held today in the Bush Room (10-105) from 10 a.m. to 3 p.m. The sale covers areas ranging from chemistry to music, and free materials will be available. Proceeds go to the Libraries' Preservation Fund.

Send news information and tips to news@the-tech.mit.edu.



MIT students work on health, education issues in India.

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CAMPUS LIFE

Confronting the best bicycle thief in the world

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Attempting to learn how to cook

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WORLD & NATION

Afghan Insurgents Hang 15-Year-Old Accused as Spy

By Taimoor Shah

THE NEW YORK TIMES

KANDAHAR, AFGHANISTAN

Taliban insurgents in the southern province of Helmand kidnapped a 15-year-old key maker, accused him of being a spy for the Afghan and foreign authorities, beat him severely, then hanged him from an electrical utility pole, Afghan officials said Monday.

In a final insult, the fighters took five \$1 bills they found in the boy's pocket and stuffed them into his mouth, the officials said. Dollars are commonly used in Afghanistan as a parallel currency to the afghani.

The attackers left a note with the body warning that if anyone else was caught spying, they would suffer the same treatment, said Wali Muhammad, the police chief of Sangin, a district in Helmand where the killing occurred Sunday night.

Muhammad said relatives of the boy retrieved the body on Monday morning and told the police that he had been falsely accused.

"He was a poor boy working for his family," said Izatullah Mujahid, the top civilian administrator in Sangin. "He was not working for any organization." The boy's relatives told Mujahid that he had been on his way home from his job making keys in the Sangin bazaar when he was abducted and killed.

Democratic Hopefuls Raise More Money Than Republicans

By Michael Cooper

THE NEW YORK TIMES

The Democratic presidential candidates continued to raise significantly more money during the last three months than their Republican counterparts, according to official and unofficial third-quarter fundraising tallies that were released Monday.

Sen. Barack Obama, D-Ill., raised at least \$20 million over the summer, more than \$19 million of which could be spent on the primary — showing that he continued to be a formidable fundraiser. It was unclear whether he still led in fundraising, as he had this spring, because Sen. Hillary Rodham Clinton did not release her tally. (Her aides had said that they expected to raise a similar amount.) John Edwards raised \$7 million, and Gov. Bill Richardson raised \$5.2 million.

By comparison, Mitt Romney, who has been one of the strongest Republican fundraisers this election, raised only about half of what Obama raised this summer, according to a senior adviser who was granted anonymity to discuss the campaign's finances. The adviser said that Romney brought in about \$10 million from donors, and that he used more than \$6 million of his own money for his campaign.

Shares Soar Over Confidence About Credit

By Michael M. Grynbaum

THE NEW YORK TIMES

Blue-chip stocks pushed into record territory Monday as investors seemed to shrug off this summer's problems with subprime mortgage lending. At least for now.

The Dow Jones industrial average soared more than 200 points in midafternoon trading, putting the index above the previous high, set on July 19. The Dow Jones industrial average rose 191.92 points, or 1.4 percent, to 14,087.55.

The Standard & Poor's 500-stock index jumped 20.29 points, or 1.3 percent to 1,547.04, trading just beneath record levels.

The Nasdaq composite index gained 39.49 points, or 1.5 percent, to 2,740.99, its highest level in about six and a half years.

"We're beginning to know what we didn't know a few weeks ago, and with some uncertainty being removed, that gives investors a little more confidence to dip their toe into the market," said Todd Salamone, director of trading at Schaeffer's Investment Research.

Russian President Positions Himself to Be Prime Minister

By C.J. Chivers

THE NEW YORK TIMES

MOSCOW

Vladimir V. Putin, who is constitutionally barred from seeking another consecutive term as president of Russia, announced on Monday that he might become prime minister next year.

Putin's announcement seems to confirm what many analysts had assumed: That he plans to hold onto the power he has accrued over the past eight years.

Putin, who spoke at the congress of the United Russia party, the country's dominant political force, said he would lead that party's list in December parliamentary elections.

Putin, who is popular among Russia's citizens and has consolidated his control of government, has often said he intends to remain involved in politics beyond his second term as president. He has even said that he may seek re-election after another president holds the office, which the Russian constitution would allow.

But until now, Putin had not previously identified a specific political office for himself immediately after

the presidential election in March.

"Heading the government is quite a realistic proposal," Putin said, before adding a qualification he often uses when publicly discussing his plans for 2008: "But it is too early to think about that."

Putin's speech here elevated the Kremlin's stagecraft to new levels. The United Russia party congress led the national news broadcasts, which featured scenes of Putin sitting on an elevated viewing stand above each speaker as they addressed a crowd that looked up toward him adoringly.

One speaker, a weaver from the Ivanovo Oblast, or district, pleaded with party officials to find a way to keep Putin in office for a third term. "I see so many big bosses and just smart people at this congress," said the weaver, Yelena Lapshina. "I appeal to all of you — let's think of something together so that Vladimir Vladimirovich Putin will remain the president of Russia after 2008 as well."

The use of a weaver from Ivanovo borrowed directly from Soviet iconography and the pantheon of state-endorsed heroes of the proletariat.

Putin's managers quickly topped even that obvious symbol, as an athlete in a wheelchair rolled onto the stage and praised the president.

"Vladimir Vladimirovich, you are lucky," said the athlete, Mikhail B. Terentyev, a ski champion from the Paralympic games. The crowd broke out in applause. Terentyev continued. "And while you are the president, the luck accompanies Russia," he said. "You have become a talisman for tens of millions of people, a symbol of the successful development of the country. Of course it is up to you to decide which place in the country's political life you will occupy, but no matter what decision you make, I want you to stay with us, with Russia."

Putin looked down from his seat, head tilted, eyebrows raised, emanating calm and power.

The day's events ignited a new round of speculation about Putin's path through the elections ahead.

The prime minister's position in Russia is often viewed as a step toward the presidency: Putin himself was briefly the premier under President Boris N. Yeltsin before swiftly rising to the seat of power.

Wall Street Posts Records After Write-Downs by Banking Giants

By Eric Dash

THE NEW YORK TIMES

NEW YORK

Wall Street's banking giants on Monday started to admit their problems, which began in the mortgage lending business and led to a summer of wild stock market swings.

The country's biggest bank, Citigroup, will write off \$5.9 billion in the third quarter, causing its profit to drop 60 percent from a year earlier. Europe's biggest bank, UBS, said it had written down \$3.4 billion in the value of mortgage-backed securities and would suffer a loss in the quarter. Other banks, including Merrill Lynch and Bank of America, have issued similar warnings.

Investors took the disclosures as a sign that the worst may be over for the banks and that any losses may be contained. At Citigroup, the an-

nouncement again raised questions about the future of its chief executive, Charles O. Prince III.

Still, all three major markets indexes closed higher on Monday. The Dow Jones industrial average set a record, rising 191.92 points to 14,087.55.

Analysts cautioned, however, that serious problems remained in the housing market and questioned whether consumer spending could continue to carry the broader economy.

"It's a cleanup quarter," said Michael Mayo, a financial services analyst at Deutsche Bank. "The industry cleaned up from the collapse of the technology bubble earlier this decade, from commercial real estate in the early 1990s and from Third World debt in the late 1980s. This quarter has the potential for a similar cleansing — only this time from pri-

vate equity loans and mortgages."

Banks and brokerage firms have been contending with the twin problems of the mortgage meltdown and credit market collapse in July and August. As mortgages to homebuyers with shaky credit soured, the fallout sent shockwaves through the financial system.

Investors lost faith in mortgage-backed bonds and other complex securities, causing prices to plummet. Demand for high-yield loans used to finance buyout deals all but dried up, leaving banks faced with the possibility of holding billions of dollars in debt. And higher financing costs and tighter lending terms caused mortgage underwriting to grind to a halt.

Investors, including many hedge funds, suffered heavy losses this summer. Now, Wall Street is also paying the piper.

WEATHER

Spring (in the Southern Hemisphere)

By Roberto Rondanelli

STAFF METEOROLOGIST

The reversal of seasons between hemispheres should not be a surprise to most educated people in the world (although we are reminded of a famous educational experiment in which Harvard graduates failed to give a good reason for why this happens). As we entered the autumn season in the northern hemisphere, the winter came to an end in the southern hemisphere. The sun being close to the equator this time of the year makes the mean temperatures similar across the same latitudes in both hemispheres. According to this simple rule, we should find that locations in the southern hemisphere around 42° of latitude have about the same temperatures as we are experiencing in Boston.

However, locations in the southern hemisphere at the same latitude as Boston are relatively colder this year by approximately 3°C. The thermal inertia of the ocean is the main reason for these colder temperatures. Taking into account the unseasonably warm temperatures that we have been experiencing in Boston the past few weeks the difference grows to approximately 5–7°C. To find a place in the southern hemisphere where temperatures are similar to Boston's temperatures this week, we would have to go as far north as Buenos Aires, Argentina or Canberra, Australia which are located at about 35°S.

Weather in Boston this week continues to look dry because of the strong blocking high located off the coast (1032 mb). Clouds mixed with sunshine can be expected for the next few days with temperatures that will be warm for this time of the year.

Extended Forecast

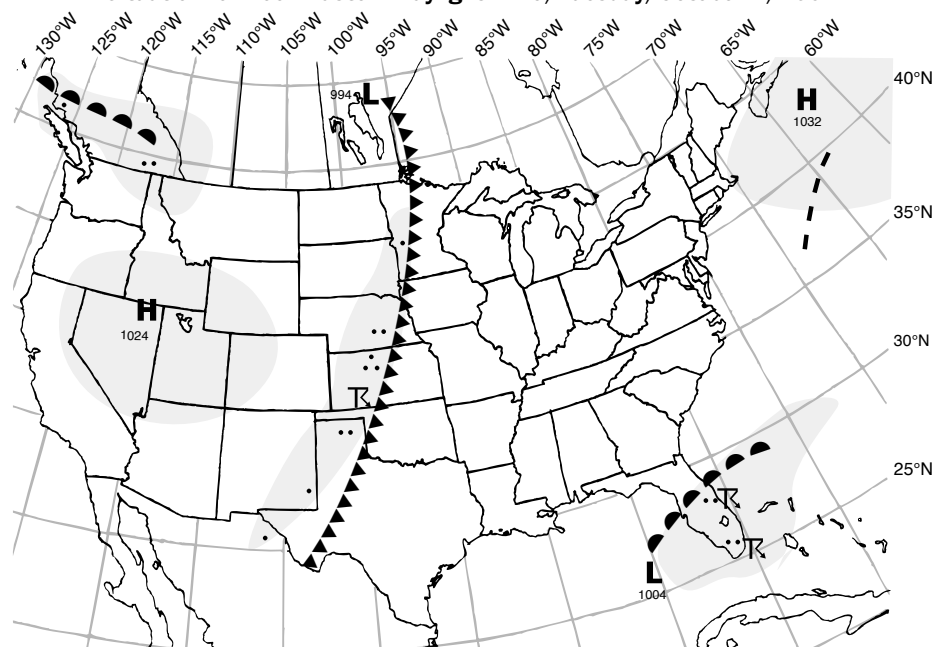
Today: Partly cloudy. Low 55°F (13°C). High 70°F (21°C).

Tonight: Partly cloudy. Low 58°F (14°C).

Wednesday: Mostly cloudy. High 72°F (22°C).

Thursday: Mostly sunny. Low 60°F (16°C). High 78°F (26°C).

Situation for Noon Eastern Daylight Time, Tuesday, October 2, 2007



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

Compiled by MIT Meteorology Staff and The Tech

Security Alert Issued Regarding Toys With Remotes at Airports

By Eric Lipton
THE NEW YORK TIMES

WASHINGTON

Citing "credible specific information" about terror tactics, Transportation Security Administration officers nationwide on Monday stepped up their scrutiny of passengers carrying remote-control toys aboard airplanes.

The move was not motivated by a specific terror plot, said Kip Hawley, the assistant secretary at the Department of Homeland Security in charge of aviation security. But there is concern both in the United States and internationally that common remote-control toys could be used to detonate a bomb as part of a terror plot.

The aviation authorities decided against banning the devices in carry-on bags. But people carrying remote-control toys — including children — could be subject to a more intense search, in which the passenger is patted down and the baggage is checked by hand, officials said.

The new policy comes just days after the federal authorities in South Carolina disclosed that a Florida college student arrested in August on explosive-related charges had made

a video that he posted on YouTube showing how to use such a remote-control toy as a detonator.

Hawley acknowledged in an interview Monday that this video played a role in the new policy. But it was just one piece of intelligence that led to the change. Remote-control toys might have been used already by terrorists in Sri Lanka and India, one federal official noted.

"A lot of that work is sorting through dots," Hawley said of the different intelligence leads that produced the heightened scrutiny. "This is a dot that just came up with enough granularity that it seemed we should take direct action on it."

The federal authorities considered simply making the change at airports in the United States without announcing it. But instead they decided to disclose the new policy, while encouraging passengers to put remote-control toys in checked luggage to avoid the additional scrutiny at the checkpoint, Hawley said.

"Everybody knows there is an intelligence and law enforcement community out there, that there are people seeking to do us harm," he

said. "This is just the tangible manifestation of that."

The new scrutiny for remote-control toys will not extend to devices that automatically open car doors or to television remote controls, a TSA spokeswoman said.

In the South Carolina case, the authorities found a 12-minute Arabic language video on the computer of Ahmed Abdellatif Sherif Mohamed, an Egyptian student at University of South Florida. A narrator in the video explains how to convert a toy car into a detonator for a bomb, a search warrant affidavit filed in federal court in Charleston, S.C., on Thursday says.

Mohamed had been arrested in August after he was found near a South Carolina military base driving a car that had what the authorities described as bomb-making parts in the trunk, including plastic pipes, potassium nitrate and a safety fuse cord. Immediately after the arrest, which started as a speeding case, friends and family of Mohamed said the charges were unwarranted, asserting that the materials in the car would be, if assembled, not much more powerful than firecrackers.

Texas Oilman Admits to Cheating U.N.'s Iraq Oil-For-Food Program

By Alan Feuer
THE NEW YORK TIMES

Oscar S. Wyatt Jr., the Texas oilman accused of cheating the U.N.'s oil-for-food program, pleaded guilty Monday to paying hundreds of thousands of dollars in illegal kickbacks to Saddam Hussein's government in 2001 to gain access to lucrative Iraqi oil contracts.

Wyatt's surprise plea came on the 14th day of his trial in U.S. District Court in Manhattan, before federal prosecutors finished presenting their case. Under an agreement with the government, he admitted guilt on one count of conspiracy to commit wire fraud and is most likely to be sentenced to 18 to 24 months in prison rather than the 70 years he might have faced if convicted on all five counts of the indictment.

Wyatt, a former drill-bit salesman who rose to prominence in the Texas oil business, had proclaimed his innocence almost from the moment he was arrested two years ago at his home in the exclusive River Oaks section of Houston. After rising before Judge Denny Chin to admit his guilt, Wyatt, a plain-spoken octogenarian,

embraced his wife, Lynn, a doyenne of the Houston social scene known for her philanthropic work and taste for haute couture.

"I didn't want to waste any more time at 83 years old fooling with this operation," he told reporters in the courtroom. "The quicker I got it over with the better."

Wyatt's lawyer, Gerald L. Shargel, said the government had offered the deal, under which four of the five original charges were dropped in exchange for a guilty plea. Those included conducting financial transactions with Iraq, an enemy nation at the time, and violating a U.S. embargo on that country.

"The defense of a criminal case is complicated when the client is 83 years old," Shargel said. "That was certainly taken into account. For the government to have offered this disposition at this point suggests both sides recognized the risks involved in having a jury decide it."

Michael J. Garcia, the U.S. attorney in Manhattan, issued a statement within two hours of the plea that said, "When Oscar Wyatt agreed to defraud the oil-for-food program by making il-

legal payments to the Hussein regime, he traded the humanitarian needs of the Iraqi people for the satisfaction of his own greed and the greed of the former government of Iraq."

Garcia's office, which led the criminal investigation into the troubled program, has so far extracted guilty pleas from five other defendants and won conviction of one more. Some \$16.5 million in illicit profits have been seized, money that officials plan to transfer to the Development Fund of Iraq.

Under the oil-for-food program, established in 1996, Iraq was allowed to sell its oil despite sanctions imposed after its invasion of Kuwait. But all profits from the sales were to have been used for food, medicine or any goods needed to sustain the Iraqi population.

As part of his plea, Wyatt admitted that he paid \$200,000 in illegal kickbacks to Iraq in December 2001, funneled through a bank account in Jordan. He also admitted that he never told U.N. officials of the secret deal, a violation of the oil-for-food program's rules. He is free on bail until his sentencing, scheduled for Nov. 27.

Supreme Court Turns Down Two Cases Concerning Church-State Separation

By Linda Greenhouse
THE NEW YORK TIMES

WASHINGTON

One contentious topic missing from the Supreme Court's docket as the new term opened Monday was religion. The justices evidently plan to keep it that way, at least for now.

Among the hundreds of appeals the court turned down Monday, in a list that printed out at 83 pages, were two cases on the relationship between church and state that might have brought even more visibility to the term.

One was a case from New York centered on whether church-affiliated employers who object to birth control on religious grounds must nonetheless provide contraceptive coverage to their female employees as part of their medical insurance coverage, as required by laws in New York and some two dozen other states.

The other case challenged the refusal of a public library in California to make a community meeting room available for worship services.

Both cases potentially tested

lines that the Supreme Court has drawn to separate those accommodations of religion that governments are required to make from those that are not required or, perhaps, are even forbidden.

The birth control case was brought by Catholic Charities in Albany and eight other New York-based Catholic and Baptist organizations. All the organizations, as part of their religious mission, operate educational and social service programs, like schools and nursing homes, that serve the general public.

They argued that they should be exempted, on religious freedom grounds, from a New York law, the Women's Health and Wellness Act. The Legislature passed the law in 2002 after finding that the typical employee health insurance coverage left women with greater uncovered expenses because of the common exclusion of contraceptive coverage. The law provides that if employers choose to cover prescription drugs, the plan must include prescription contraceptives for women.

The law includes an exemption

for "religious employers," precisely defined as a nonprofit organization that seeks to inculcate "religious values;" that "primarily employs" people of its religious faith; and that "serves primarily" those who share that faith. There is no debate that organizations that challenged the law do not qualify for the exemption.

Rather, they argued that the law placed them in a "religiously untenable position" because, on the one hand, they felt a religious obligation to provide "just wages and benefits," while on the other hand, they had a "theologically grounded" objection to birth control. The state was improperly seeking to "coerce a church entity to finance private conduct that the church teaches is morally wrong," the organizations told the justices.

Their complaint was rejected by all three levels of New York state courts: the state Supreme Court, at the trial level; the Appellate Division; and in a unanimous opinion last October, the New York Court of Appeals.

After Delays, U.N. Envoy To Meet Myanmar Leader

By Seth Mydans

THE NEW YORK TIMES

BANGKOK, THAILAND

A U.N. envoy was to meet with the leader of Myanmar's junta Tuesday as authorities continued a crackdown after crushing huge peaceful demonstrations last week.

The leader, Senior Gen. Than Shwe, had kept the envoy, Ibrahim Gambari, waiting since his arrival in Myanmar on Saturday, although he was allowed to visit Sunday with the pro-democracy leader Daw Aung San Suu Kyi, who has been under house arrest for 12 of the past 18 years. Diplomats said Gambari might meet with Aung San Suu Kyi again, raising hopes that Gambari might engage in some form of shuttle diplomacy.

After more than a month of swelling protests, the streets of major cities were quiet, but there were many unconfirmed reports of further arrests, mass detentions and abuses, including of the monks who had formed the heart of the peaceful uprising.

Barbed-wire barricades were being removed from the streets and an exile Web site, Irrawaddy, reported that 70 people had been released from detention as authorities sought to restore a sense of normalcy to the battered country.

The junta has shut down access to the Internet in an effort to further isolate the country and has placed troops in the streets to intimidate people from renewing the protests that had begun Aug. 19 after a sharp increase in the price of fuel.

The demonstrations swelled to as many as 100,000 in the country's main city, Yangon, until troops began opening fire on Thursday and Friday. Western governments said the death toll was certain to be much higher than the 10 acknowledged by the junta, but specific numbers could not be confirmed.

Nazi Suspect to Be Deported

By Brenda Goodman

THE NEW YORK TIMES

ATLANTA

Federal officials said Monday that they planned to deport an elderly German man living in Georgia who they said was a guard and dog trainer in Nazi death camps.

Officials in the Office of Special Investigations in the Justice Department identified the man as Paul Henss, 85, of Lawrenceville, a document in the case said.

The document said Henss admitted in March in a sworn statement that he had worked for the SS at the Dachau and Buchenwald death camps, guarding forced labor details of prisoners at both camps while armed. The file charges that he used attack dogs to keep prisoners from escaping and that he trained other guards to use the dogs.

Henss has not decided whether to fight deportation, said Douglas S. Weigle, an immigration lawyer in Cincinnati who said he had spoken to Henss and his family, but had not been retained.

Speaking to reporters outside his house Monday, Henss said he had committed no war crimes. "The training of dogs was no crime," Henss said, according to The Associated Press. "I was not training them to hurt people."

Federal officials said he was an important functionary in the death camps. "The brutal concentration camp system could not have functioned without the determined efforts of SS men such as Paul Henss, who, with a vicious attack dog, stood between these victims and the possibility of freedom," said Eli M. Rosenbaum, director of the criminal division of the Office of Special Investigations.

Rivals for Prime Minister Claim Victory in Ukraine

By Clifford J. Levy

THE NEW YORK TIMES

KIEV, UKRAINE

Leaders of the two main political parties in Ukraine both claimed victory on Monday in crucial parliamentary elections, but the vote appeared so tight that it could be many days before a new prime minister takes office.

Supporters of Yulia V. Tymoshenko, the former prime minister who was a stalwart of the Orange Revolution of 2004, insisted that the final tally would show that she was the victor. But her chief rival, Prime Minister Viktor F. Yanukovich, dismissed those statements as premature.

With no convincing winner in Sunday's contests, the situation remained relatively unstable, especially given Ukraine's recent history. Close elections in the past three years have produced political stalemates, large-scale demonstrations, extended legal battles, back-room maneuvering and accusations of voting fraud — all of which have left this nation ballot-weary.

Officials said late Monday night that with 93 percent of the votes counted, Yanukovich's party had 34 percent and Tymoshenko's had 31 percent. But those numbers could fluctuate as polling places finish reporting.

Tymoshenko's party said she would become prime minister again by reaching a deal with President Viktor A. Yushchenko's party, which received 14 percent, rekindling an alliance that was triumphant in the Orange Revolution, but collapsed in acrimony later on.

China Joins Inquiry Into Steroid Ring

By David Barboza

THE NEW YORK TIMES

SHANGHAI, CHINA

The Chinese government is investigating whether companies in China are shipping the raw materials for illegal steroids to factories in the United States.

The government said it was cooperating with the American authorities, who are conducting a crackdown on steroid manufacturers in the United States and other parts of the world.

The Drug Enforcement Administration and other American authorities announced the arrests of more than 120 people last week and said they had closed dozens of small laboratories and seized cash, drugs and other assets.

The authorities, who called the case Operation Raw Deal, did not disclose who used the steroids but said they had a large database of names and thought that many of the users were athletes and bodybuilders.

The U.S. authorities say 99 percent of all the materials used to produce anabolic steroids in the country come from China.

OPINION



Chairman

Michael McGraw-Herdeg '08

Editor in Chief

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Corrections

The women's tennis photo on page 20 of the Sept. 28, 2007 issue of *The Tech* did not clearly identify the two players pictured. Katherine M. Smyth '10 is on the left side of the photo and Emily J. Onufer '10 is on the right.

Letters To The Editor

Ahmadinejad at Columbia University

I definitely dislike Ahmadinejad, and, as an Iranian-American, I think I know enough about Iran to take such a position with little to no prejudice. He represents an oppressive regime with an unfalsifiable mandate (we represent God, therefore everything we do or say is perfect) whose only contribution to the Iranian people has been the nationalization of oil. Even so, any figurehead of a sovereign nation ought to be afforded respect if he is invited to speak at an academic institution. Granted, Columbia president Lee Bollinger probably introduced Mahmoud Ahmadinejad critically in order to evade criticism for inviting the Iranian president in the first place, but that doesn't justify such an undignified welcome. College stu-

dents aren't dumb. We can form our own opinions without administrative higher-ups telling us what to think, so we don't need people like Bollinger to frame speeches for us. Perhaps our American political culture has been desensitized to the significance of the position of head of state. It's no surprise, either, when one considers that our recent political history involves the deconstruction of the Afghan government (legitimate) and the Iraqi government (why are we there again?), as well as President Bush's intermittent buffoonery.

Also, I'd like to see an actual evaluation of why funding and arming soldiers in a war (as Bollinger accuses the Iranian government of doing) is illegal. The United States has done this in numerous conflicts. I have friends in the U.S. military, and I definitely want them to succeed and survive. Putting my patriotic opinions aside for a second, though, I notice

that the United States is in Iraq for a purely political purpose, be it democracy, oil rights, or hegemonic display. Why, then, is it illegitimate for the Iranian government to support soldiers who are fighting for their own political purposes in Iraq? Neither Iran nor the United States can claim the moral high ground in Iraq — neither is making Iraq any better by waging war. Keeping in mind that democracy, in and of itself, is not normatively valuable, I repeatedly come to the same conclusion: no rationale for American involvement in Iraq has been validated, and, every time an American soldier is killed in the fight, the reasons for leaving Iraq — stable or unstable — are compounded. If we see no basis for Iran, a key player in the Middle East, to meddle in the affairs of post-Saddam Iraq, how can we justify American involvement?

Arya Azma '11



Euro-Man



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

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CAMPUS LIFE

Squid vs. Whale

Confronting a Smooth Criminal

By Charles Lin
STAFF COLUMNIST

MIT, be warned. The best bike thief of all time is on the loose and he's ready to steal your heart. Huh? Let me explain.

I was getting a falafel at the Massachusetts Ave. food truck and I'd leaned my bike against some stairs a few feet away. When I turned around, it was gone. I looked around and saw some dude casually riding away with it. I sprinted out after him shouting, but he didn't speed up. In fact he sort of just stopped and looked scared. I knew then that something wasn't quite right, but hey, this was my moment to collectively "man up" for everyone who had ever lost a bike to a thief.

I cornered him and began berating him, falafel in hand. I was mad and ready for fist-cuffs. A normal thief would have gotten defensive or simply run away. This guy just lowered his head and starting stammering that he was sorry and sobbed that someone had stolen his bike and that he needed to get all the way over to Cambridgeport. I immediately felt sorry for

the guy. Honestly, I'd been planning on punching him or at least shoving him around a little bit, but man, poor dude. I decided to give him another excuse to ruffle some feathers and asked him how stealing someone else's bike seemed like a good idea at the time. He just looked even sadder and said, "I'll pay you..."

That confused the hell out of me. Pay me for what? Like, are you actually going to pay me for the bike in its entirety or pay me a pittance for having stolen my bike? This doesn't make any sense. I'm so scared.

I looked at the kid. He had a laptop case. I asked him if he was a student here. If he had said "of course" or something, I would've asked for ID. But he just lowered his head and said, "Yeah..." really sad like, as only a depressed MIT student can. I couldn't punch the kid now. I tried to lecture him some more, but my heart just wasn't into it. He wove together such a sad tale of woe that I almost wanted to give him my bike. At a loss for words, I grabbed my bike and told him to run along home and feel better. That's right, some guy

tries to steal my bike and I say to him, "Good luck, I hope it all works out." What's wrong with me?

I wheeled my bike over to the sidewalk and sat down to think. After chewing on both the situation and my falafel, it finally fell into place. This guy was either the most brilliant thief of all time or just the saddest sap humanity has ever seen. I'm leaning toward the former. Everyone knows stealing bikes is easy as pie. Most people leave bikes lying around. You just have to pick one up and walk away casually. And around here, what's less suspicious than a small dude with glasses and a laptop case?

The problem is that every fifth bike or so, the owner of the bike is actually right around the corner, getting falafel. So the most relevant skill for a bike thief is to not get arrested or beat up that fifth time. And this guy said all the right things to make me not want to punch him. Every time I asked him a question, he either made himself seem even sadder or just confused me to bits. Like when he said, "Why

didn't you lock up your bike?" really glumly. And I just thought, "WHAT? Wait, you're blaming me for you stealing my bike?"

The more I thought about it, the more his story didn't check out. He said his bike had been stolen and he had to get back to Cambridgeport, but he didn't have a helmet with him. He said he was a student, but what student lives in Cambridgeport? And if your bike did get stolen, how could you conceivably rationalize just picking up some other person's bike? Also, he clearly did not have a laptop in that case. It was most likely lock picking tools, but who would ever suspect a laptop case?

None of it made any sense. I just know that as soon as I walked away, he straightened his posture, put on cool sunglasses, and laughed maniacally on his way home to his lair full of stolen bikes. But then, if he's that smart, why is he stealing bikes? What could possibly motivate someone smart enough to be at MIT to commit petty crime? Wait, how much is tuition again? 40K a year? I guess he's taking a more literal approach to the term "free ride."

By Michael T. Lin
STAFF COLUMNIST

Somewhere out there, the culinary gods are weeping. As someone who would probably make a better meal by being cooked than by cooking, I dare say I have been less than vigilant regarding my nutritional needs. Freezer-burned waffles, Gatorade, and a granola bar? Most important meal of the day. Cheese crackers and ginger ale? Dinner, third course. (For anyone who's curious, courses one and two were a red gummy bear and orange gummy bear, respectively.) Since I don't have the necessary patience for in-dorm agriculture, and the only game to be hunted around campus are squirrels and mysteriously human-like six-foot beavers, it appears I will have to start preparing my own food before my cash flow gets dammed.

Don't get me wrong, I like the food here. The soup is delicious and served Nazi-free, and there's so much instant food in LaVerde's that a nuclear explosion in the freezer aisle would probably do nothing more than rain ready-to-

eat Hot Pockets all over New England. Still, I doubt my parents will take kindly to my somewhat liberal use of their credit card in the name of being able to eat a modified version of the Subway diet (the modification being that grams of fat are replaced by tastiness as the key variable).

Even though some of the best food I've had here has been free, I can only retain my dignity for so long while mooching for handouts. The obvious solution, at least to me, would be to take advantage of the fact that the human body can survive for a week or two without food and simply order an extra-large pizza twice a month. The somewhat less obvious solution is actually learning how to prepare my own food.

As unpalatable and potentially dangerous as the thought may be, I might as well learn to cook at some point in my life. It may be appropriate to give you some idea as to exactly how monolithic the idea is. I stick to cold cereal not because I dislike oatmeal, but because I'm of the sort that would probably manage to burn one half and underheat the other. My greatest

culinary achievement was successfully making a single stir-fry. That was several years ago and I still had to check with my parents constantly to make sure I was stirring properly. When the microwave at home broke down for a week, for every non-cold-cereal meal, I would try to make something, only to remember that I could not reheat or cook it without the microwave. I nearly starved.

So when I tell you that in order to function in college, I have decided to at least try to cook, I want you to understand my full meaning. I intend to start small, perhaps by preparing the occasional peanut butter and jelly sandwich (on toast instead of bread) for lunch, maybe some eggs that start out fried or poached before mysteriously and invariably becoming scrambled. If I'm feeling intrepid, I'll try my hand at making ready-to-bake cookies, just to make sure that I don't possess some kind of bizarre anti-cooking aura that will cause the oven to engulf me in flames if I get too close. I'm sure that before long, I'll be preheating with gusto and using a knife to cut food rather than spread

it. I'll have to call my parents to let them know that the dramatically shorter credit card bill does not mean I'm on a hunger strike, although the \$300 charge from the Poison Control Center will probably tip them off.

With that plan of action in mind, it looks as if I'll have to gradually cut myself off from microwave use, which is a shame, indeed. As it happens, I have since my first column sampled the rather delectable microwave s'more (since the campus housing administration probably wouldn't take kindly to a campfire in the hall), thanks to a friend who was nice enough to take pity on my un-s'mored taste buds. I'll have to cook her something to return the favor once I've managed to grind my cooking skill up from "Newbie" to "Master and Commander of All That Is Edible." Hopefully, that time will come before the Hot Pocket Armageddon. If it doesn't, I may very well succumb to the warm embrace of flaky crust and cheesy filling.

Now, if you'll excuse me, I have some shopping to do. Yes, I'm going grocery shopping. Try not to faint.

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Through My Eyes

Hot and Humid

By Christina Kang
STAFF COLUMNIST

The air was thick with humidity when I stepped off the airplane into a bare airport that was very unlike any other airport I'd ever known and still under construction. However, I had arrived successfully in India and went through the visa checkpoint swiftly and without any trouble.

While waiting for my luggage, I met a friendly Indian woman whose daughter clung furtively to her leg and started crying every time her mother tried to detach her. I handled her luggage so that the child could stay attached. While waiting for her second bag, the woman explained that she lived in Washington, D.C., but had spent the past couple of months in Scotland where her husband was a guest finance professor at a university. They had just adopted their daughter from Guatemala and the little girl was going through withdrawal and strong insecurity issues, resulting in a necessity to always be physically connected to her new mother for fear of abandonment. It was inspiring that the little girl seemed to feel so comfortable and protected by this stranger who had become her mother. I commended my new acquaintance on the obvious bond that had already developed and wished them the best.

As the woman gathered her final bags and went through customs, someone tapped me on the shoulder. I turned to find my MIT friend Daniel Mokrauer-Madden '08. I had originally planned to document his project teaching the community about tuberculosis in Lucknow, In-

dia, but the community he was working with had requested not to be photographed, so I had removed his project from my trip. Quite by coincidence, we were still arriving in India on the same day. Even though we had forgotten to tell each other our arrival times, we were lucky to have bumped into each other.

After exchanging money (250 U.S. Dollars for 9910 Indian Rupees) in the airport, Daniel and I got through customs without a glitch and found a staff member from the university I was staying at awaiting us with a sign! Daniel was visiting the group there before he headed out to Lucknow. Stepping outside of the airport, we were hit with a wave of even stronger humidity and heat but were relieved to find that the car had air conditioning.

I expected India to be shockingly different from America, so I was amazed that so much was familiar to me. We went to a school assembly, and it could have been an assembly in any American high school. There are stray dogs walking the streets like in Korea (a certain breed that directly translates to "poop dog" is also found in India!).

Driving rules, on the other hand, are either nonexistent or just not taken seriously. Apparently, lanes were recently installed on the roads, but no one bothers to stay within them. Street signs and stoplights are rare. There is a lot of honking and "dipping" (known as "high beaming" in the United States) and these are used regularly to tell someone that they are about to be passed or that they must "get out of the way because I'm going to keep going and I WILL

crush you to get by if I have to."

There were, of course, many new and exciting things. Monkeys could be found walking around the university campus. When I first spotted one, I yelled out, "Oh my gosh! There's a monkey right there!" providing amusement for those around me who pointed out all the other monkeys that were casually strolling around. Cows plodded down streets, and shacks and lean-tos could be seen between concrete buildings and more permanent structures.

I was lucky to be in a room in the guest house of the university along with the students whose work I was documenting. The guesthouse had air conditioning, a huge luxury. The room was simple but clean and much nicer than I ever expected. We bought several bottles of water every day for only 12 rupees per bottle. What a bargain!

In the following days, I documented four girls from MIT who traveled to the slums outside Delhi to survey the community members about their education and health. I came across twinkling eyes, unrestricted laughter, and such hospitality, but the open sewage, horrible living conditions, lack of food, and abundance of disease struck my heart. Check back next week for India through my eyes.



CHRISTINA KANG—THE TECH
Monkeys freely wander the Rai Foundation campus where MIT students stayed during a summer project in India. The monkeys like to climb up buildings.



CHRISTINA KANG—THE TECH
Jessica K. Lee '08 (left) works with a Hindi-speaking student from the Rai Foundation, interviewing the women about their health, their children's health, and education issues. The surveys collected were later used to create a unique project to benefit one of the slum communities in India.



CHRISTINA KANG—THE TECH
Monkeys sit on an eroded wall at the Rai Foundation campus in India.

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STUDENT INFORMATION PROCESSING BOARD

Confused about Unix, or just curious? Having trouble doing certain things on Athena? In this column, we will answer some basic questions about using Athena and the Unix operating system.

Did the combo change?

Yes; the combo to the Athena clusters changes every October. To find the new combo, you can log in to a quickstation or a dialup and type

```
athena% tellme combo
```

Other things tellme supports are tellme root, for the root password, and tellme why.

What's this terminal thing that pops up when I log in?

The "terminal thing" is a Unix command prompt. You can type in commands and run applications from this window.

To run a program, simply type the name of the program. For example,

```
athena% pine
```

To run a program in the background, type the name of the program followed by &. For example,

```
athena% mozilla &
```

Running a program in the background allows you to continue to use your prompt after the program launches. If you do not use the &, then you cannot type any more commands until you close the program you launched.

If you are running a text based program that uses the entire terminal window (such as mailmaint, pine, or owl) or asks for user input (such as less), however, you should not use &.

How do I move between directories?

To go into a directory inside your current directory, type

```
athena% cd directoryname
```

To list the contents of a directory (including its subdirectories), you can use the ls command:

```
athena% cd 6.034-psets
```

```
athena% ls
ps0 ps1 ps2 ps3 ps4 ps5
```

Keep in mind that you can move as far down the directory structure as you want with one cd ("change directory") command. For example, if you wanted to access a directory called "resume" in your Public directory, you can type

```
athena% cd 6.034-psets/ps0
```

from your home directory. If you now wanted to go back to your 6.034-psets directory, you can type

```
athena% cd ..
```

to move up one level in the directory structure. You can also type cd to return to your home directory.

To make a new directory in the current directory, use mkdir directoryname.

Is there an easy way to avoid typing long path names?

Yes! You can use tab completion. Whenever you are typing in a pathname as part of a command, you can enter part of it and then hit the Tab key. The command shell will try to complete it for you automatically. For example, if you had a text file called "stupidlylongfilename," and you wanted to edit it with emacs, you can type

```
athena% emacs stupid[TAB]
```

When you hit Tab at the end, if you have no other files whose names begin with "stupid," the shell will complete it:

```
athena% emacs stupidlylongfilename
```

If there are two or more valid completions, the shell will list them for you.

What commands can I use to copy, move, and rename files?

To move a file, type

```
athena% mv old/path/to/file new/path
```

For example, if you wanted to move a file named "foo" from your Public directory to your current directory, you can type

```
athena% mv Public/foo .
```

(The dot at the end is notation for the current directory.)

To rename a file, just give the new name, e.g.:

```
athena% mv foo bar
```

To copy a file, type cp instead of mv.

How do I delete files?

If you want to be able to recover your files later, you can use the delete command.

```
athena% delete filename
```

This will mark that file for deletion and make it a hidden file. To delete a directory and its contents, use delete -r. You should be aware that the system will automatically remove marked files periodically. You can list the files that have been marked by using the command lsdel. To recover a marked file, you can undelete it.

```
athena% undelete filename
```

If you're familiar with Unix, you may know about the rm command, which also works, but doesn't let you use undelete.

How can I recover a file I accidentally deleted?

If you've just typed delete, then you should first try undelete. If your file can't be undeleted, you may still have a backup. Athena makes a nightly backup copy of your entire home directory, so if you accidentally remove a file, you still have some time to recover it. The copy, as of 3 a.m., is kept in "OldFiles" in your home directory. You can recover your file by copying it back.

If OldFiles has already been updated, you have one last hope: the AFS administrators have tape backups that they should be able to retrieve for you. Contact olc@mit.edu with the full path name of the file and the approximate dates that it existed, and they'll get in touch with the AFS administrators.

To ask us a question, send e-mail to sipb@mit.edu. We'll try to answer you quickly, and we can address your question in our next column. You can also stop by our office in W20-557 or call us at x3-7788 if you need help. Copies of each column and pointers to additional information are posted on our Web site: <http://www.mit.edu/~asksipb/>.

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by R Perez-Franco



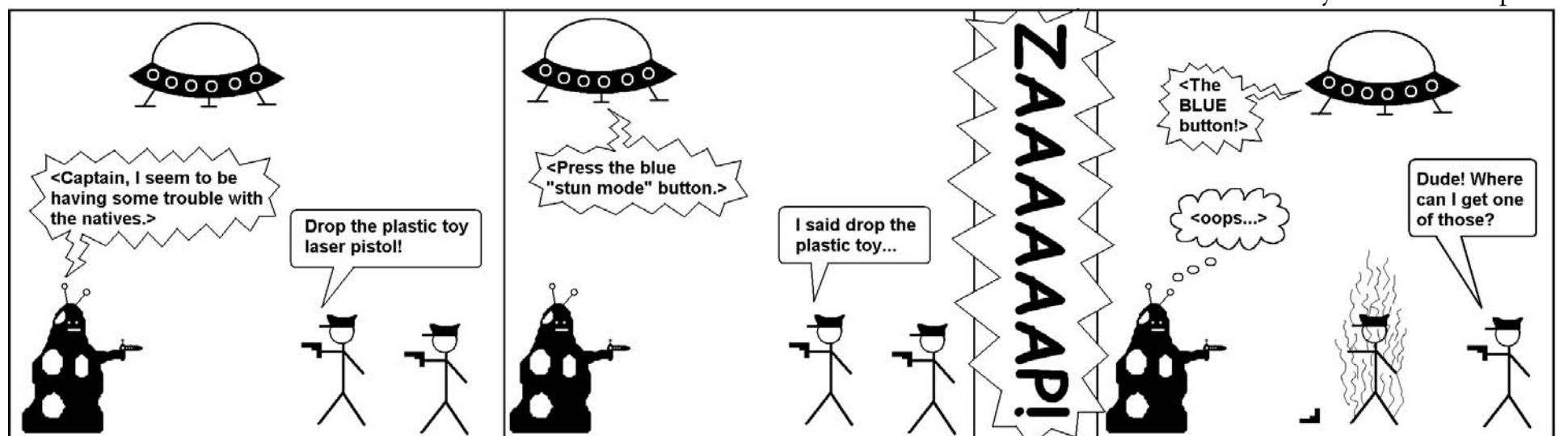
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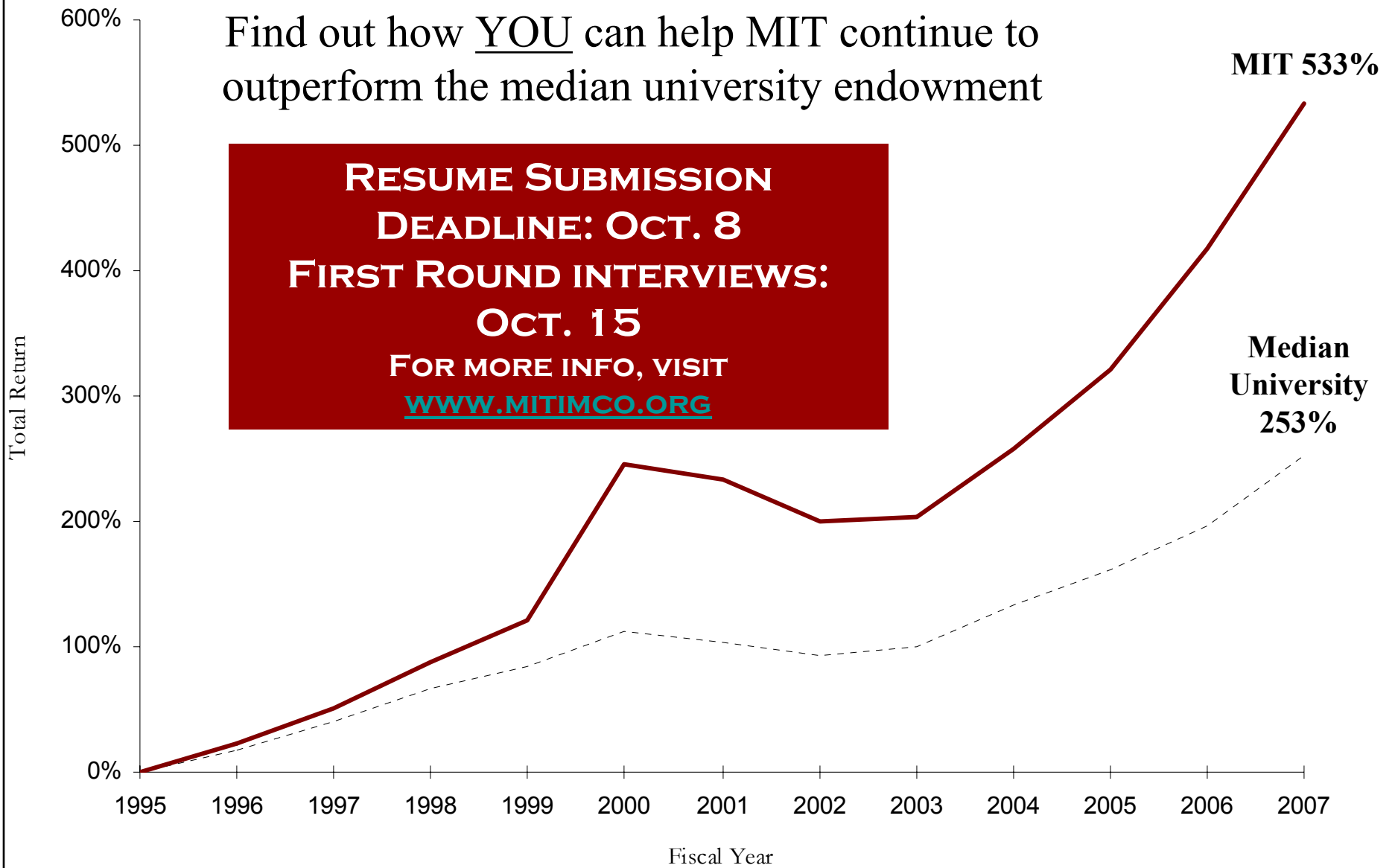
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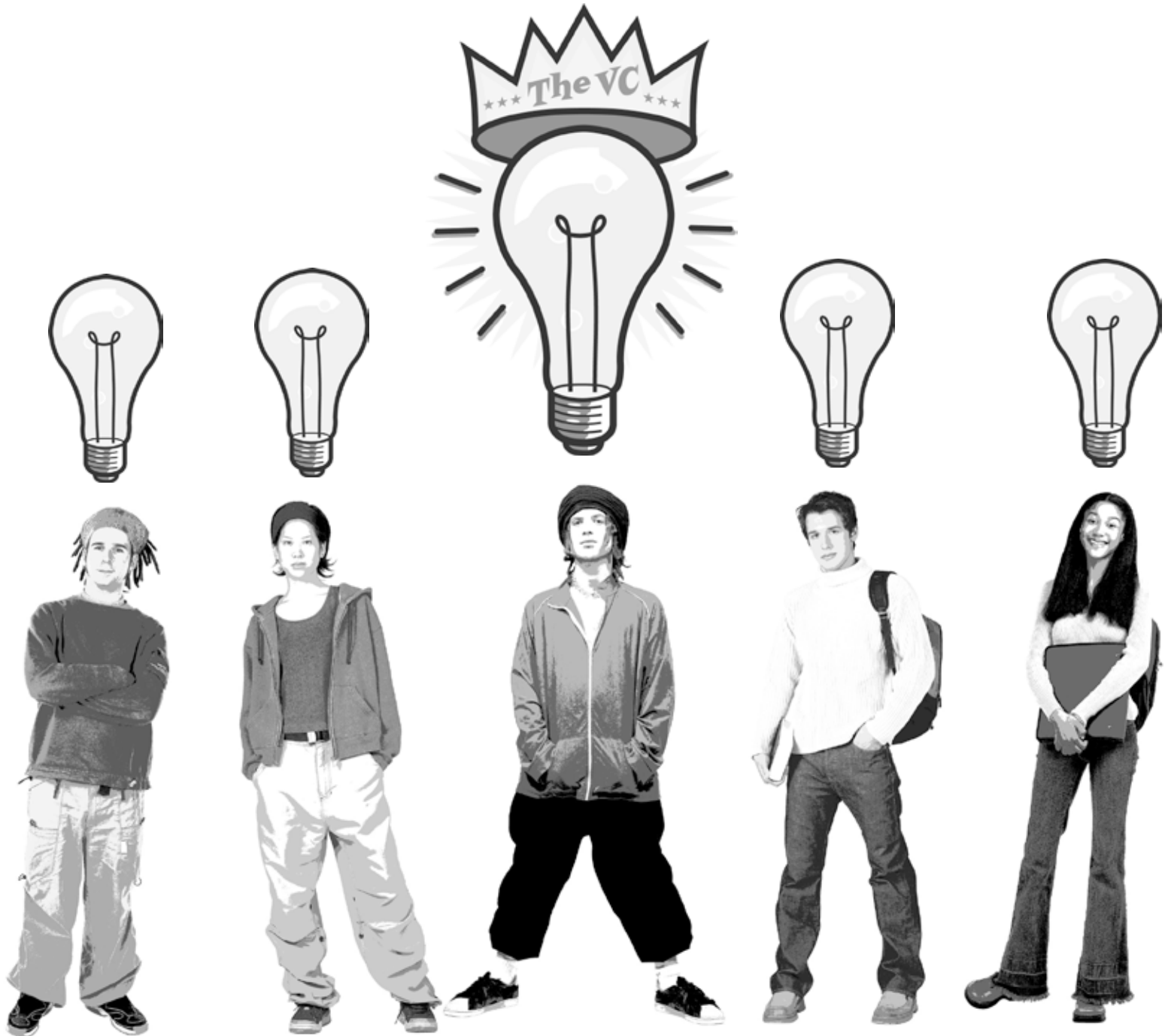
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One Laptop Per Child Announces Donation Program for Public

Laptop, from Page 1

called "Give 1 Get 1" in late September. Under the program, the public may donate \$399 to the foundation, receiving a laptop in return for their gift. The program will run from Nov. 12 to Nov. 26, Bender said.

"We are going to give them to the Least Developed Countries," although OLPC is not sure which specific countries would be receiving the donated laptops, Bender said. "Least Developed Country" is a United Nations designation for countries based on criteria of low income, human resource weakness, and economic vulnerability, according to the U.N. Web site.

OLPC does not know how many laptops will be donated in the program, Bender said. The opportunity for consumers to purchase the laptop was limited to a window of two weeks because OLPC did not want to oversell the laptop, he said. "We don't want to divert the production from kids who need it." Initially, OLPC would produce around 40,000 machines in its first month of production to ensure that bugs are worked out and would then scale up the production to full capacity, Bender said.

Over the summer, Intel joined the OLPC board on July 13 after Negroponte remarked that Intel's XO alternative, the Classmate PC, prevented OLPC from attaining necessary orders to begin production. "Intel has hurt the mission enormously," Negroponte said on a "60 Minutes" feature that aired on May 20. William A. Swope SM '76, general

manager of Intel's Corporate Affairs Group and architect of the deal, said that "from any perspective, it would be impossible to ignore the timing" of the deal.

The agreement is intended to increase the cooperation between Intel and OLPC in building laptops for emerging markets, Swope said. Although it was agreed that Intel would be making servers for the XO, Swope said that the agreement has not changed Intel's commitment to the Classmate PC. The Allama Iqbal Open University in Pakistan has already committed to purchase 700,000 Classmate PCs by 2009, said Agnes Kwan, Intel spokesperson. "We do not sell the Classmate PC below cost," Swope said.

Intel is preparing a proposal to put Intel chips in the next version of the OLPC's XO laptop, Swope said. Intel will compete with other manufacturers for the contract, he said.

Although the Intel-OLPC agreement has not changed the competition between XO and Classmate PC in emerging markets, Negroponte has stopped accusations towards Intel. Bender refused to comment about the previous accusations.

It has become increasingly clear, however, that competition for the XO will only increase. Swope said that "there will be at least five companies" competing to sell low-cost laptops in emerging markets.

The rising competition is "a great endorsement to the idea of OLPC," Bender said. "We're not in the laptop business, we're in the learning business."

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New Book Details History of Measurements, Smoot

Smoot, from Page 1

'Happy Days,'" Tavernor joked. Tavernor's book, which was five years in the making, details the history of measurement systems. There is the story of a man who tried to find the height of the Egyptian pyramids 2,500 years ago, using his body and the shadows as tools. The rise of the meter, a unit of measurement unconnected to humans, is also retold by Tavernor.

After the lecture, Smoot said that the book underlines the idea that "especially in human expressions like architecture, it is important to relate

to people ... it is helpful if the units are related to people."

He added that because the meter is non-sacred, unlike the traditional *pied de roi* , or French royal foot, it has been assumed to have "some sort of perfect basis ... [but] it's a bunch of hokum."

The Smoot earns mention in the book because it "encapsulates the personification of measures," Tavernor said. "It is very, very different from the metric system." The significance of Smoot's Ear is that it stands for an approximation, a "plus or minus," said Tavernor. This was a "tacit recognition" that the measurement

wasn't entirely accurate, he said. Near the end of his lecture, Taver-

"Especially in human expressions like architecture, ... it is helpful if the units are related to people."

—*Oliver R. Smoot '62*

nor called Smoot a "living measure," to which Smoot could be seen shak-

ing his head as his fellow classmate and fraternity brother, Peter S. Miller '64 grinned at him.

Smoot said that he was amazed that his name was part of the book's title. "I did a little investigating to make sure it wasn't a prank."

During the questions that followed his lecture, Tavernor said that he thinks "it is incredibly important to embody measures" and that "humans ... need to be able to deal in a direct way one to another."

After the lecture, as audience members lined up to request "the famous Smoot" signature, Miller, who is now co-director of the MIT

Venture Mentoring Service, praised his famous classmate. Not only was Smoot the shortest in his pledge class, but "he was also the coolest." "He was always friendly ... and socially adept," Miller said, chuckling.

A celebration is being planned for next year, which will mark the 50th year the Smoot has graced the bridge, said Stephen Huson '84, an alumnus of LCA who served as the emcee of the lecture. A commemorative plaque was mounted to the bridge for the 25th anniversary of the Smoot but was "stolen within a week," Smoot said.

In an ironic twist, Smoot went on to become the chairman of the American National Standards Institute and then, in January 2003, began a two-year term as president of the International Organization for Standardization. He is now retired and living in San Diego, Calif., where he jokes that he spends his time as an irrigation engineer, making sure the sun doesn't scorch everything in sight.



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Solution to Crossword
from page 8

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E	R	R	N	A	S	T	I	E	R	G	O	B
E	A	T	I	N	A	N	I	M	I	S	T	
A	L	A	N	E	N	D	L	E	A	N	T	O
S	L	I	T	M	O	O	I	N	H	A	L	E
T	Y	N	E	E	S	P	G	N	A	W	E	D
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M	A	R	I	E	L	U	S	E	S	T	A	R
P	L	A	N	E	D	T	E	N	H	A	T	E
L	I	B	E	R	I	A	P	I	N	T	A	
E	L	I	I	S	R	A	E	L	I	L	I	D
S	E	A	E	L	M	T	R	E	E	E	L	L
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Solution to Sudoku
from page 7



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Two Dormitories Remain Without Senate Candidates

UA Elections, from Page 1

2011.” The other candidates generally agreed, saying that there were many avenues of communication between the east and west sides of campus. “It’s easy to provide a forum ... but whether or not [east campus] opt[s] to use that voice is the question,” Li said.

The moderator session closed with a discussion on the most important goal each candidate would like to accomplish. Johnson suggested a midnight freeze-tag study break on Brigg’s Field, complete with glowsticks, while Chen said, “I want all of us to be able to organize a prank, a big one, and for [the entire class] to get involved.”

When the debate progressed to cross-examination, Johnson asked

Li what characteristic separates him from other candidates. Li answered, “I have the most ideas, and I’m most willing to carry them out.” Candidates also asked each other about prior leadership experience and ideas for possible class community service projects.

A brief question and answer session with the audience and closing statements concluded the debate. Approximately 25 freshmen attended, and many passersby stopped and watched while helping themselves to free pizza.

“I thought that for the first time holding a freshman class council debate, it went very well,” UA President Martin F. Holmes ’08 said. “There were some fluffy moments, which you would expect in any debate, but in general, I thought most

of the candidates had thought about their platforms and presented themselves well.”

Platforms released late Sunday

Candidate names and platforms were not released on the UA Elections Web site until Sunday night to encourage all candidates, even those running uncontested, to campaign, Election Commissioner JiangWei (Alexis) Zhu ’08 said. Zhu said she thinks the tactic worked, pointing to the campaigns of Paul F. Baranay ’11 and Gary G. Cao ’11, who are running uncontested for the two Simmons Hall UA Senate seats.

Releasing the names and platforms late increases awareness among dormitory residents about their UA Senate candidates, allowing them time to acquaint themselves with the candidates, Zhu said.

Late petitions for seats open as of Sept. 26 were accepted until 5 p.m. yesterday, except in the case of Spencer J. Currie ’11, Class of 2011 treasurer candidate. Although the treasurer position did not have open seats after the Sept. 26 deadline, UA Election Commission and Judicial Review Board granted Currie an extension because of extenuating circumstances. He had undergone an operation on his right hand around petitioning time, requiring a week-long recovery period that ended right before the Sept. 26 deadline.

Two open seats remain for Senate elections, one each for Bexley Hall and Random Hall. Students can still win the positions as write-in candidates, said Zhu, who encouraged students from Bexley Hall and Random Hall to run as write-ins. There are no open seats for Class of 2011 Class Council elections, but write-in campaigns are still possible.

UA Senate Candidates

Living Group	Candidates
Baker (2 seats)	Dianna L. Cowern ’11 Katrina M. Kimovec ’08 Danyi Wu ’11
Bexley (1)	none
Burton-Conner (2)	Michael A. Bennie ’10 Riley E. Brandt ’11 Vrajesh Y. Modi ’11 Jay S. Rajan ’11
East Campus (2)	Maggie K. Delano ’10 James A. Ostrowski ’10
Fraternities (5)	Akash A. Chandawarkar ’09 Steven M. Kelch ’08 Allen Lin ’11 Muamba P. Muanankese ’08 Rangarajan D. Nadadur ’10 Luke Y. Xie ’10 Oliver K. Yeh ’10
ILGs (1)	Arnaldo E. Pereira-Diaz ’09
MacGregor (2)	Nana Essilfie-Conduah ’11 Itai Turbahn ’11
McCormick (2)	Ye Yao ’11 Grace Yao ’11
New (2)	Lana N. Awad ’11 Erik I. Staff ’08
Next (2)	Keone D. Hon ’11 Corina Opreescu ’11 Sun K. Kim ’11
Off-Campus (2)	Hans E. Anderson ’08
Random (1)	none
Senior (1)	Kat S. Thomas ’09 Bo Zhao ’08
Simmons (2)	Paul F. Baranay ’11 Gary G. Cao ’11
Sororities (1)	Arti V. Virkud ’11

SOURCE: UNDERGRADUATE ASSOCIATION

The number of Senate seats per living group, included in parentheses, depends on the population of the group. Neither Bexley Hall nor Random Hall have candidates.

“I’m very excited for this year, and I think that there are very talented people running,” Zhu said. Online voting closes Thursday. Pa-

per voting is available in Lobby 10 on Friday from 9 a.m. – 5 p.m., and election results will be posted at midnight on Oct. 6.

Class of 2011 Council Candidates

Position	Candidates
President	Christina R. Johnson Dan Chen Daniel C. Li Grant D. Tomassi Kevin A. Rustagi
Vice President	Anshul Bhagi Jonathan H. Blackwood Sojung C. Lee
Treasurer	Charles Huang Sameer A. Hirji Sivakami Sambasivam Spencer J. Currie
Secretary	Kevin L. Chou Lulu Wang Sonya Makhni
Publicity Chairs	Brienne A. Kugler and Rose E. Yu Carolyn L. Wang and Hway (Helen) Chen May Liu and Sheena Bhalla
Social Chairs	Emma M. Rosen and Jeff Zhao

SOURCE: UNDERGRADUATE ASSOCIATION

Members of the Class of 2011 can vote at <http://vote.mit.edu/> by Thursday, Oct. 4.



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Reality Show 'Geek' Still Learning From Experience, He Says

Geek, from Page 1

able to laugh at themselves, because we knew we'd be doing very embarrassing things on TV. Everyone had a good outlook on the experience, were able to roll with the bad times. That kind of made it a fun group.

TT: Did the show ever feel scripted at any point?

JG: I guess there are two ways to answer that. The show felt pretty natural. I think that you react a little different being in front of the camera. I think that changes how you feel a little bit. I also think it's interesting because normally, at least for the guys, you're trying to focus on your cooler aspects, but in the show, they focus on your geekier aspects. ...

TT: Were there any particular skills or lessons that you learned at MIT that were useful on the show?

JG: Yeah, I think so. We had study materials every week that we had to use for preparing for the challenges and preparing for the eliminations. And I think in terms of cranking through the material and absorbing it as quickly as possible — trying to cram it — I was certainly used to studying hard at MIT. I think that helped in terms of just getting through the material.

TT: Do you think MIT is destined to always have a student play a geek on the show?

JG: It was funny because I think that they try to get a spectrum of what they consider to be geeky. You know, they

have the comic book guy, the sci fi guy, and then there's the token MIT guy. It was kind of how I joked to the cast — everyone was trying to come up with the reasons why they were there, and I was like "Hey, I'm the token MIT guy." So I think that they will continue to have MIT people on the show.

TT: In your opinion, what is the most important thing you pulled from this experience?

JG: ... I think that it's really interesting to consider how you portray yourself to the world, what your first impressions are, how you put yourself out there. ... Everyone goes on the show trying to work on confidence, and one of the things that you have to deal with is realizing that you're going to do embarrassing things. People in all over the United States are going to watch you do embarrassing things, and [you have to] be okay with that.

Part of that is not being too concerned about what other people think of you, because there are going to be people that will like you and people that won't. I think that's something that I've learned. Even just being home after the experience

and watching it air on TV — it's kind of dealing with people's reactions to it. I think that you learn to just be confident in how you present yourself and not care as much how people think."

TT: Have you noticed any changes in your interactions with people?

JG: I think I look different after the show. ... I think it will affect how I interact with people ... but it's going to be slow to see it trickle down into your every day actions. You have to process what happened on the show and what that means, and even now after the show is over, I'm still learning from the experience as it's being aired and as I'm with my friends and people that I'm close to and [seeing] how the general public reacts to it.

TT: Do you have any words of advice for future hopefuls?

JG: I think that in the audition process, they look for people who are genuine; you need to go in there and be yourself. But I think what they consider geeky is different than what MIT students would consider geeky. They would probably think all of us are geeky. ... I just went in and showed them some of the things

I'm interested in. I showed them some of my circuit projects, I talked about trips I've gone on, those kinds of things. They kind of love it. I remember I busted out my 6.302 project and actually demoed that, and they really liked that.

I think they're looking for something that's very

"I think they try to get a spectrum of what they consider to be geeky. You know, they have the comic book guy, the sci fi guy, and then there's the token MIT guy."

—John U. Gardner G

stereotypically geeky but all engineering and science could be considering that. I think most MIT students are able to talk about what they're doing, their research in a very technical way and they really love that. ... They love all the buzz words, the technical terms. So most MIT students can hit them with some of that.

TT: Looking back now, do you think you'd do the show again? Would you encourage others to be a part of the show?

JG: I would absolutely do the show again. It was an amazing experience. I think that everyone has something they can get from it, just in terms of meeting the people. I will remain close with many of the cast members, and that alone is great. You get to do things you never would have done before, see a whole new side of yourself. That's something everyone would like and I personally loved, so I'd totally do it again. I would encourage anyone to audition. I think that the majority of MIT students could make it to the show if they wanted to. I'd definitely encourage anyone to do it who has an interest.

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MacArthur Winners Attribute Success to MIT's Opportunities

MacArthur, from Page 1

She said that she was the first person in 20 years actually holding a baby when she got the call.

Matsuoka's plans for the award money include starting a company that creates robotic devices used by disabled people and writing a book about balancing her engineering career with having a family. "A lot of women want to do that, but it's intimidating," she said. She hopes she can convince more women to stay in the field and still pursue what they want in their personal life, she said.

Griffith said that there "are projects I've always wanted to do, but never had the resources to do" or could not justify financially before receiving the award. For example, he said it would be fantastic if there were a CAD program anyone could use to design a paper airplane; then every kid's paper airplane designs

would be stored forever. Griffith added that he had many similar "silly ideas" and would probably think of better ones when "the shock dies down."

Griffith recalled "taking apart his Tonka trucks" when he was six years old as his first foray into inventing.

Matsuoka said "she switched careers halfway through [her] graduate career." Working in the Computer Science and Artificial Intelligence Laboratory building robots, she became interested in neu-

rosience and, after studying in the Department of Brain and Cognitive Sciences, combined her two passions in the field of neuroprosthetics. "That sort of opportunity doesn't come anywhere else," Matsuoka said.

Griffith said that MIT was "probably the best experience of my life," calling it an "unbelievably special place." "Most students don't realize just how amazing it is," he said.

"Most students don't realize just how amazing [the MIT experience] is."

—Saul T. Griffith PhD '04, MacArthur Fellow

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SPORTS

Football Suffers Crushing 49-14 Home Loss to UMass-Dartmouth

By James Kramer
DAPER STAFF

UMass-Dartmouth pounded out 372 yards on the ground and added six rushing touchdowns en route to a 49-14 victory over MIT on Saturday at Steinbrenner Stadium. J.T. Harold led the offensive assault with 137 yards and two scores on 16 carries.

The Corsairs (2-3, 1-1) boasted four different rushers who found the end zone on carries covering at least 28 yards. Harold secured the first score of the afternoon on one of those long runs, scampering for a touchdown from 30 yards out on the first possession of the game. The opening score capped a seven-play drive that lasted just over two minutes.

MIT (0-4, 0-2) quickly bounced back with an 11-play, 52-yard drive that ended with Benjamin L. Grannan '09 diving across the goal line from one yard out and 6:42 showing on the clock. The drive featured first-down runs by three different backs, while DeRon M. Brown '10 keyed a new set of downs with a seven-yard run on a fourth-and-two play from

the Corsairs' 44.

UMass-Dartmouth answered with another score of its own that once again took less than three minutes to complete. Harold rushed for 22 yards on three carries during the drive, including a seven-yard run that put six points on the board, but the drive was highlighted by a 24-yard reception by John Henry from Alex Garro.

The teams appeared to be trading blows, mostly behind power running attacks, until a critical goal-line interception on MIT's next possession gave the Corsairs the momentum for the rest of the game. After marching down to the UMass-Dartmouth eight-yard line, Chris Ciesluk stopped Tech's scoring opportunity with an interception at the MIT one. Ciesluk returned the pick 44 yards. Less than two minutes later, Bob Sullivan plowed two yards into the end zone to cap another impressive drive.

MIT fumbled on its next drive, and once again UMass-Dartmouth capitalized. After collecting 47 yards on six carries, the Corsairs moved in front, 28-7, when Aaron Russo hauled in a three-yard pass from Garro with 5:22 left in the quarter.

The Engineers finally sliced into

the lead on the last drive of the quarter. MIT advanced 61 yards on 10 plays, with Brown finishing the drive on the ground from five yards out that left UMass-Dartmouth ahead at the break, 28-14.

Garro opened the second half with a 53-yard touchdown run, effectively squashing any hope for an MIT comeback. Aaron Russo added a 29-yard touchdown run later in the third quarter, while Alex Amaral closed out the scoring with a 28-yard touchdown score on the first play of the fourth quarter.

Harold supplied most of the power for UMass-Dartmouth's rushing attack, although Bob Sullivan added 66 yards and a score on 14 attempts. Henry hauled in three receptions for 30 yards to pace the Corsairs' receiving unit, while Garro finished 7-of-14 for 68 yards. MIT got a solid effort from Grannan, who closed with 85 yards and a touchdown on 16 carries.

Rich Braley paced the UMD defense with 13 total tackles, although Dave Bombardier posted two sacks that set MIT back 14 yards. David D. Nackoul '09 secured eight tackles to lead the Engineers.



PERRY HUNG—THE TECH
Jacob M. Muhleman '08 and Desiree D. Amadeo '11 (obscured) lead the way in the George Warren Smith Trophy this past weekend on the Charles River. The Engineers finished ahead of 27 other competitors.



PERRY HUNG—THE TECH
Ekavali Mishra '10 sprints past Gordon College during last Tuesday's field hockey game. Unfortunately, the Engineers fell to the Fighting Scots 2-1.

Tech Men Fall to Coast Guard, 2-1, With 0:22 Left in Double Overtime

By Jeff Lemieux
DAPER STAFF

Coast Guard junior David O'Brien nodded home the winning goal with just 22 seconds remaining in double overtime, as the visiting Bears downed New England Women's and Men's Athletic Conference foe MIT, 2-1, during the men's soccer game Saturday. The loss was the first of the season for the Engineers at Steinbrenner Stadium.

Prior to Saturday's setback, the Cardinal and Gray had been 4-0-1 at home. With the defeat, it dropped to 5-3-1 overall and 0-2-1 in the conference, while Coast Guard improved to 6-3-0 and 1-1-0.

The Bears nearly opened the scoring in the 20th minute, but junior Thomas Cameron saw his powerful diving header hit the outside of the right post and bounce clear of the goal. Twelve minutes later, Coast

Guard teammate Nate Wojcik also came close, as he reached a powerful cross from senior captain Martin Villa before Tech goalkeeper Thomas S. Caldwell '09. However, Caldwell did enough to put Wojcik off and force his effort just wide.

MIT also saw quality first-half scoring opportunities evaporate, as Andrew M. Bishara '09 made a dangerous 23rd-minute free kick that was blocked by the wall and Adam B. Talsma '10 had a 30th-minute header that flew narrowly over the crossbar.

The deadlock finally broke in the 60th minute, as Coast Guard defender Ben Walsh's cross beat the Engineers' offside trap and left rookie forward Nick Devine in alone on Caldwell. The freshman's rocket shot from a tight angle found the near upper corner, leaving the keeper no chance and staking the Bears to a 1-0 lead.

Bishara's curling 20-yard effort in the 66th minute looked like it

would even the score, but the ball hit the face of the left post.

Talsma would eventually draw the home side level in the 83rd minute, however, with his second strike of the season. After receiving the ball just outside the six-yard box, a Coast Guard defender cleared Talsma's first effort off the goal line. However, he followed his shot and drove home his own rebound to knot the score at 1-1 and send the match into overtime.

Chances were limited for both sides in the extra sessions, and the contest looked destined to end in a stalemate. However, with just 22 seconds remaining in the second overtime period, a corner kick by Walsh provided the Bears with a last chance to claim victory. The junior's serve was met at the back post by Peter Deneen, and the forward headed back across the face of the goal to O'Brien, whose downward header bounced into the upper corner of the net to secure his third goal of the season.

Caldwell made a pair of excellent saves for the Engineers and finished with four stops overall, while freshman Chris Tarbell made five saves for the Bears.

MIT will now hit the road for four straight games, beginning at Brandeis University tomorrow at 4 p.m.

UPCOMING HOME EVENTS

Tuesday, Oct. 2, 2007

Women's Soccer vs. Clark
Women's Tennis vs. Wheaton

4 p.m., Steinbrenner Stadium
4 p.m., duPont Tennis Courts



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