

Provost Reif Talks Budget, Asks For Input at UA Senate Meeting

By Pearle Lipinski
ASSOCIATE NEWS EDITOR

At last night's Undergraduate Association meeting, Provost L. Rafael Reif talked about MIT's relative financial stability and said that he will not "micromanage" budget cuts.

Reif also addressed the future of research and educational programs at MIT, emphasizing the need for student input as cuts are made.

Reif said that the budget crisis hit MIT at a lucky time. "We are in a

decent financial situation right now," Reif said. Many other colleges had been running deficits for years; the financial crisis forced them to suddenly slash their budgets.

Reif said that though a single massive cut would be best from a business standpoint, academia needs a different approach. "We need to think carefully about when to cut, what to cut," he said.

Because MIT had already balanced the budget before the crisis,

Reif said that the Institute will be able to gently reduce its spending: It will cut 15 percent of its budget over three years. Spreading out the cuts will give the Institute time to plan.

"If this had hit us two years, or three years, or even one year ago, we would have been in big trouble because we would have been hit by a double whammy," he said.

MIT could ultimately come out

Reif, Page 10



NICK BUSHAK—THE TECH

Provost L. Rafael Reif answers student questions at the Undergraduate Association Senate meeting last night. Reif discussed the Institute's financial situation, budget cuts, and student input in the decision-making process.

Plummeting Home Prices Mean New Headache for Parents Paying Tuition

By Bob Tedeschi
THE NEW YORK TIMES

Parents of college-age children used to be able to count on home-equity loans to help pay tuition, but this is no longer the case with housing values sliding and the mortgage market imposing much tighter restrictions on loans.

As a result, educational institutions that once considered a house as a college fund of sorts are taking a more realistic look at home equity's role in the financial aid equation.

"With so many people up against the wall with declining home values," said Philip Day, president of the National Association of Student

Financial Aid Administrators, "the issue of using home-equity loans for tuition is almost rendered moot."

Of the roughly 2,000 four-year colleges nationwide, only about 250 require applicants for financial aid to disclose a home's value and outstanding mortgage debt. That disclosure comes in the College Scholarship Service's Financial Aid Profile, a supplement to the Free Application for Federal Student Aid.

Institutions that require the Financial Aid Profile are typically costlier, and wealthier, with endowments large enough to sustain a supplemental financial aid program. Traditionally, these schools would ask parents

to contribute 5 or 6 percent of their home's equity to the tuition.

As real estate values climbed in the early part of this decade, colleges

Home Equity, Page 11

15% Discount Offered To MIT Departments By Supplier Digi-Key

By Greg Steinbrecher
STAFF REPORTER

Electronics supplier Digi-Key has recently agreed to provide a 15 percent discount and free second-day shipping to MIT departments, though students might get the discount for personal use as well.

The new agreement runs through Dec. 31, 2009. MIT previously received a 10 percent discount with Digi-Key and no free shipping.

Digi-Key is not the only electronics supplier that offers MIT a discount, but it is one of the few that will apply the discount to orders made outside of MIT's internal purchasing website, eCAT³. This means that students can order items for personal use, though it is not clear if this is intended under MIT's agreement with Digi-Key.

MIT was able to secure the improved contract with Digi-Key by

partnering with and leveraging the purchasing volume of MIT's Lincoln Labs.

According to Derek K. Welcome of the Procurement office, Digi-Key will give the discount to purchases made on Digi-Key's own website, over the phone. Ordering is not yet available through eCAT³ though it will be soon, Welcome wrote in an e-mail.

Users ordering online would have to enter an MIT address, while users ordering by phone would have to say that they're from MIT, according to Welcome. A Tech reporter was able to get the discount by using Digi-Key's website.

It may now be possible for students to easily and quickly acquire small quantities of electronics parts for personal use, a service that has

Digi-Key, Page 10



NICK BUSHAK—THE TECH

Electrical components, such as these resistors, will be cheaper for MIT associates thanks to a new agreement with supplier Digi-Key.

In Short

¶ **Some varsity sports** may be cut. Information sessions to discuss the athletics budget will be held Tuesday from 7:30–8:30 p.m. and Thursday from 12–1 p.m. in the media room next to the lobby of the Zesiger Center.

¶ **Russo's Produce Stand** will be not be at East Campus today because of inclement weather. It will be back on Wednesday. The produce stand is open from noon to 6 p.m.

¶ **MIT took third place** at the 2008 Putnam Mathematics Competition the second year in a row. The team, which consisted of Xuancheng Shao

'09, Qingchun Ren '10 and Yufei Zhao '10, won \$15,000 for the math department. Yufei Zhao '10 and Bohua Zhan '10 were among the top 5 scorers in the nation. Each won \$2,500.

¶ **On-campus housing confirmation and cancellation forms** for undergraduates are due tomorrow. Tomorrow is also the last day to enter the April housing lottery and to request 9th term housing. Forms can be filled out online at <http://web.mit.edu/housing/undergrad/>

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



MONICA GALLEGOS—THE TECH

Dancers (front row, left to right) Danwen Chen '09, Melissa Dullea '00, Tiffany L. Yee '10, and Hannah J. Hsieh '09 are seen performing at the MIT Hawaii Luau event in Walker Memorial on Friday, April 4. The event was interrupted due to a faulty heat sensor that set off the fire alarm twice. Each time, the guests were forced to wait outside for half an hour until the fire department arrived and shut it off.



Comics

Page 7



The SAAS
Culture Show

Page 6

OPINION

Too much regulation at G-20

Page 4

Border issues through the eyes
of an international student

Page 5

World & Nation	2
Opinion	4
Campus Life	6
Comics / Fun Pages	7
Sports	12

WORLD & NATION

Nut Recall Signaling Tough Stance on Safety

By Gardiner Harris and Andrew Martin

THE NEW YORK TIMES

WASHINGTON

As the nation's second-largest processor of pistachios agreed Monday to recall its entire 2008 crop despite no confirmed illnesses, the Obama administration issued a tough warning to all food processors that sloppy practices would no longer be tolerated.

With the warning, the administration signaled that it was substantially changing the way the government oversees food safety. Food-handling practices that in the past would have resulted in mild warnings may now lead to wide-ranging and expensive recalls, even before anyone becomes ill from contaminated food.

"The food industry needs to be on notice that FDA is going to be much more proactive and move things far faster," said David Acheson, associate commissioner for foods at the Food and Drug Administration. "We're going to try to stop people from getting sick in the first place, as opposed to waiting until we have illness and death before we take action."

Last week, the agency told consumers to avoid eating pistachios — the first time it has issued such a blanket warning in the absence of reports that anyone had been sickened.

And in recent days, when tests of the processing plant of Setton Pistachio of Terra Bella, based in Terra Bella, Calif., found salmonella contamination and an inspection revealed troubling gaps in sanitary measures, agency officials urged the company to recall its entire 2008 crop.

The recall announced on Monday includes all of Setton's roasted in-shell and shelled pistachios harvested in 2008, as well as any raw shelled pistachios that were not roasted before retail sale.

That most likely means that hundreds of pistachio-containing food products, like trail mix and nutty chocolate bars, will be recalled in the coming weeks.

New Fishing Limits Reflect Tough Economy

By Beth Daley

THE BOSTON GLOBE

The new head of the National Oceanic and Atmospheric Administration issued restrictions Monday on New England fishermen that are expected to cut the region's fishing revenue by \$17.4 million.

The decision was a compromise that took into account the ongoing economic crisis. NOAA had first proposed rules that would have meant a 20 percent cut in revenue, but lowered it to a 9 percent reduction.

The hope, said new NOAA chief Jane Lubchenco, was to ease the financial burden on fishermen while allowing fishery officials to focus on restructuring by next year the way many fishermen work.

"[It's] a good compromise and she listened to fishermen to do something a little less Draconian," said Jim Odlin, a member of the New England Fishery Management Council who fished for 25 years.

"Still, it's a pretty severe cut," he said.

Environmentalists applauded the new rules, which will include a reduction in the number of days fishermen can fish by around 18 percent, and place tighter restrictions on keeping Southern New England winter flounder, and Northern windowpane flounder and ocean pout. Fishermen in southern New England will be particularly affected because they will lose two allocated fishing days for every day they fish in an expanded area below Cape Cod.

But there was also good news for the fishing industry: NOAA fisheries will allow fishermen to go after healthy haddock populations more aggressively, lengthening the haddock fishing season from three to nine months in one area and allowing fishermen to catch smaller fish. The federal government also decided not to expand certain restrictions in the Gulf of Maine. Still, Lubchenco said the cuts would be painful, and NOAA officials are now examining their budget for ways to help fishermen financially.

Poll Finds Brightening Outlook on U.S. Economy

By Adam Nagourney and Megan Thee-Brenan

THE NEW YORK TIMES

Americans have grown more optimistic about the economy and the direction of the country in the 11 weeks since President Barack Obama was inaugurated, suggesting that Obama is enjoying some success in his critical task of rebuilding the nation's confidence, according to the latest New York Times/CBS News poll.

These sometimes turbulent weeks — marked by new initiatives by Obama, attacks by Republicans and more than a few missteps by the White House — do not appear to have hurt the president. Americans said they approved of Obama's handling of the economy, foreign policy, Iraq and Afghanistan; fully two-thirds said they approved of his overall job performance.

By contrast, just 31 percent of respondents said they had a favorable view of the Republican Party, the lowest in the 25 years the question has been asked in New York Times/CBS News polls.

It is not unusual for new presidents to enjoy a period of public support. Still, the durability of Obama's

support contrasts with that of some of his predecessors at the same point in their terms. It is also striking at a time when anxiety has gripped households across the country and Obama has alternately sought to rally Americans' spirits and warn against economic collapse as he seeks congressional support for his programs.

The poll found that 70 percent of respondents were very concerned or somewhat concerned that someone in their household would be out of work and looking for a job in the next 12 months. Forty percent said they had cut spending on luxuries, and 10 percent said they had cut back on necessities; 31 percent said they had cut both.

For all that, the number of people who said they thought the country was heading in the right direction jumped from 15 percent in mid-January, just before Obama took office, to 39 percent today, while the number who said it was heading in the wrong direction dropped to 53 percent from 79 percent. That is the highest percentage of Americans who said the country was heading in the right direction since 42 percent said so in February 2005, the second month of

President George W. Bush's second term. The percentage of people who said the economy was getting worse has declined from 54 percent just before Obama took office to 34 percent today. And 20 percent now think the economy is getting better, compared with 7 percent in mid-January.

"It's psychology more than anything else," Arthur Gilman, a Republican from Ridgewood, N.J., said in a follow-up interview to the poll. "President Obama has turned around the negative feeling in this country. He's given everything an impetus because he's very upbeat, like Roosevelt was. It's too soon to tell if the spending stuff works, but some things have improved."

Frank Henwood, an independent from Amarillo, Texas, said: "Hopefully, the stock market has bottomed out and is on the rise. Once the stock market shapes up, I think the economy will come back, and then jobs will come back and people will start buying automobiles made in America."

With the poll finding that an overwhelming number think the recession will last a year or more, Obama may find he has a deep well of patience to draw on.

Cash-Strapped Courts Press For Fines and Fees Owed

By John Schwartz

THE NEW YORK TIMES

TALLAHASSEE, FLA.

Valerie Gainous paid her debt to society, but almost went to jail because of a debt to Florida's courts.

In 1996, she was convicted of writing bad checks; she paid restitution, performed community service and thought she was finished with the criminal justice system. This year, however, she received a letter from Collections Court telling her that she was once again facing jail time — this time for failing to pay \$240 in leftover court fees and fines, which she says she cannot afford.

Gainous has been caught up in the state's aggressive system to collect the court fines and fees that keep its judiciary system working. Judges themselves dun people who have fallen behind in their payments, but unlike other creditors, they can

throw debtors in jail — and they do, by the thousands.

As Florida's budget has tightened with the economic crisis, efforts to step up the collections process have intensified, and court clerks say the pressure is on them to bring in every dollar.

Other states are intrigued by Florida's success, and several have also cracked down on people who owe fines. John Dew, the executive director of the Florida Clerks of Court Operations Corp., said other states were "really looking to what we're doing in Florida."

Advocates for the poor have urged other states not to follow Florida's example of squeezing defendants harder to make up for budget cuts.

Florida, however, has continued to tighten its grip. Since 2004, the Legislature has required courts to support their operating expenses

substantially, through fees collected by county clerks. Some of the clerks use collection agents, while about a third use the Collections Courts, state officials said.

Around Leon County, there are some 5,400 outstanding "blue writs" — the civil equivalent of an arrest warrant for failing to appear and pay fees. Some people come in and pay when they receive their summons; others spend a night or more in jail, often having been arrested when the writ pops up during incidents like routine traffic stops.

It can be expensive to get arrested. Nancy Daniels, a Florida public defender, said that fines and fees for a first offense on third-degree felonies like credit card fraud or cocaine possession are around \$500 — \$340 in court costs, a \$100 prosecution fee and \$50 for the public defender application fee.

Record Floods in North Dakota

By Elizabeth Maroon

STAFF METEOROLOGIST

If you thought yesterday's rain was miserable, just imagine what residents along the Red River of the North in North Dakota and Minnesota are going through! Frozen, saturated ground with melting snow and the rain from a few storms spelled a worsening disaster. There were massive sand-bagging efforts by residents to keep the river's waters in its banks. The recent flood crest of 40 ft. in Fargo (March 28) has since started to decline; the water level is now at 33 ft., which is still considered a flood. But those upstream of us in Canada are not safe yet. The Red River is expected to crest for them sometime between April 8 and 17. They are also still dealing with ice jams blocking and clogging the river.

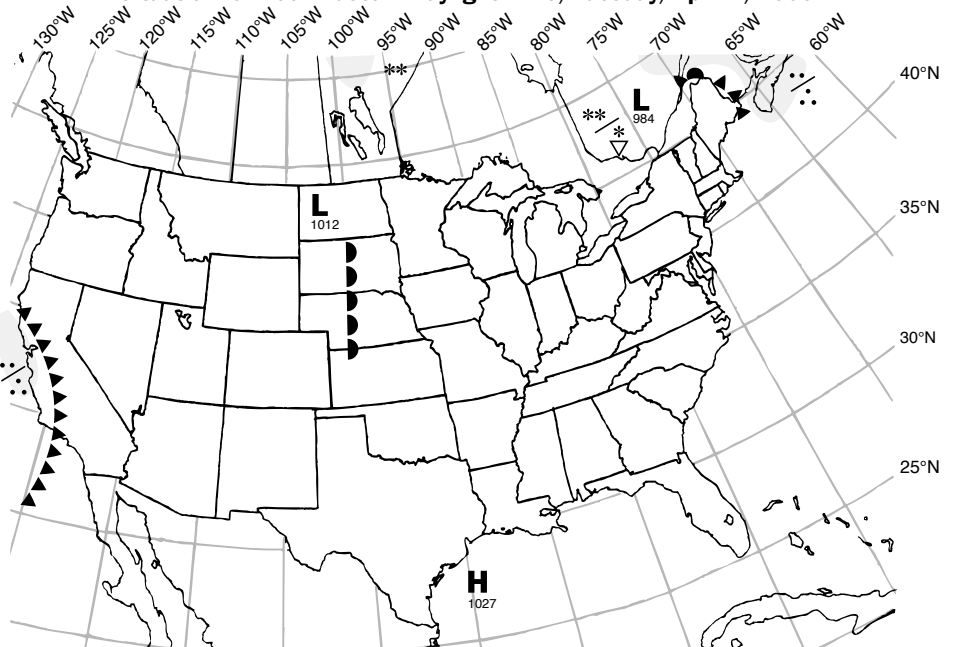
Thankfully, here in Boston, the conditions will be comparatively dry. There is a chance of rain today associated with a thunderstorm off the coast, but it will likely be mostly dry and cloudy. On Wednesday, a low will pass to the north of us into Quebec, pulling the remaining possibility for near-term precipitation with it. Expect cloudy skies to keep temperatures a little cooler than normal. We should see some sun on Thursday, but it probably won't stick around long, as another low system is expected to move through New England sometime near the end of this week.

Extended Forecast

Today: Overcast and windy with a chance of rain. High near 53°F (12°C).
Tonight: Cloudy with a moderate wet wind. Low near 34°F (1°C).
Wednesday: Slight possibility for rain, mostly cloudy with a high near 53°F (12°C).
Wednesday night: Partly cloudy, but clearing with a low in the low 30s°F (0°C).
Thursday: Here comes the sun! Expect a high in the mid 50s°F (13°C).

WEATHER

Situation for Noon Eastern Daylight Time, Tuesday, April 7, 2009



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

Report: Students Struggle Under English-Only Rule

By James Vaznis
THE BOSTON GLOBE

Students not fluent in English have floundered in Boston schools since voters approved a law change six years ago requiring school districts to teach them all subjects in English rather than their native tongue, according to a report being released Wednesday.

In one of the most striking findings, the study found that the high school dropout rate nearly doubled for students still learning to speak and write in English, according to the report by the Mauricio Gastón Institute for Latino Community Development and Public Policy at the University of Massachusetts at Boston and the Center for Collaborative Education.

The report — considered the most comprehensive look at the law's impact on any school district in the state — paints a picture of a system ill-prepared to serve nonnative English speakers, who make up about 38 percent of the district's 56,000 students.

In many cases, the district is failing to evaluate properly and subsequently identify hundreds of students for special language instruction, while also failing to provide parents with enough information to make sound decisions about program choices, according to the report, which analyzed data between 2003 and 2006. Overall, the statistics show that the law — hailed as a quicker way to teach students English — has not helped them gain ground on their English-speaking peers, and in many

cases may have left them even further behind.

In an interview Monday, Carol R. Johnson, superintendent of Boston schools, acknowledged shortcomings in the district's programs but emphasized that she is committed to improving the performance of English language learners. She said the district intends to revamp the way it tests students for those services, provide more comprehensive information to parents about services, and is expanding programs for those students. "I think everybody recognizes we need to move with a sense of urgency," said Johnson, who received a briefing from the report's authors Monday afternoon and was reviewing the findings. "Children need help and we need to help them now."

Credit Markets Are Showing Signs of Life

By Jack Healy
THE NEW YORK TIMES

It is hard to miss the news: The stock market has been on a bit of a roll lately. But with far less fanfare, the credit markets, where the financial crisis began, are also showing signs of a spring awakening.

Companies with good credit are borrowing more money in the bond markets. Confidence in the banking industry seems to be returning, despite the daily ups and downs of financial shares. Even junk bonds, the high-risk corporate debt instruments, are luring brave souls again.

The revival is tentative and, like the gains in the stock market, which pulled back on Monday, it may well

prove fleeting. But analysts say the improvements suggest that investors are starting to get some of their old nerve back, mainly because of sweeping federal efforts to get credit flowing again.

Home buyers are seeing some benefits of the credit thaw. Interest rates on a fixed 30-year mortgage fell to 4.61 percent for the week ending March 27, the Mortgage Bankers Association reported, their lowest levels on record.

On Monday, the Federal Reserve and central banks in Britain, Japan and Europe continued to try to chip away at the credit problem. They announced an agreement that could provide about \$287 billion in liquidi-

ty to the Federal Reserve, in the form of currency swaps.

Businesses with better credit ratings issued \$200 billion of debt in the first quarter, according to Thomson Reuters, compared with \$188 billion a year ago.

Even as credit rating agencies predict high rates of default for 2009 and junk-rated companies like General Growth Properties, the shopping mall owner, struggle to avoid bankruptcy, investors are pushing more money into high-yield debt. Junk bonds just ended their best quarter in five years, and AMG Data Services said that \$923 million flowed into junk-bond mutual funds last week, the most since 2005.

Condo/\$199K (617) 688-2581
OH Sun. 4/5 12p-1p Inman Sq
1218 Cambridge Street Unit B
Priv Indry&storage,H,HW more
436 sf/grt 4 student/MIT=1 mile!
CambridgeStCondo@yahoo.com

LEGAL COUNSEL
MIT students, family, employers and start-ups seeking U.S. legal counsel, campus or office consultation. Call:
James Dennis Leary, Esq.
321-544-0012

Eating Disorder Treatment Treatment of Adults Suffering from Anorexia and Bulimia Nervosa



Informed clinicians refer their clients to Laurel Hill Inn. LHI provides the most effective treatment and deploys the highest staff-to-client ratio in New England. We provide extensive programming in a highly structured and supervised non-institutional therapeutic setting. Evening, day, and residential treatment as well as weekly support groups in West Medford and West Somerville. Call Linda at 781 396-1116 or visit www.laurelhillinn.com.



A COURSE FOR EVERYONE **SUMMER 2009**

Summer plans? Look no further.

TUFTS SUMMER SESSION 2009

First Session	May 20–June 26, 2009
Second Session	June 30–August 7, 2009
Twelve-Week Session	May 20–August 7, 2009

- >Over 250 day and evening classes
- >Affordable Tuition
- >Outstanding Faculty
- >Convenient Subway Access

Your summer starts here.
<http://ase.tufts.edu/summer>



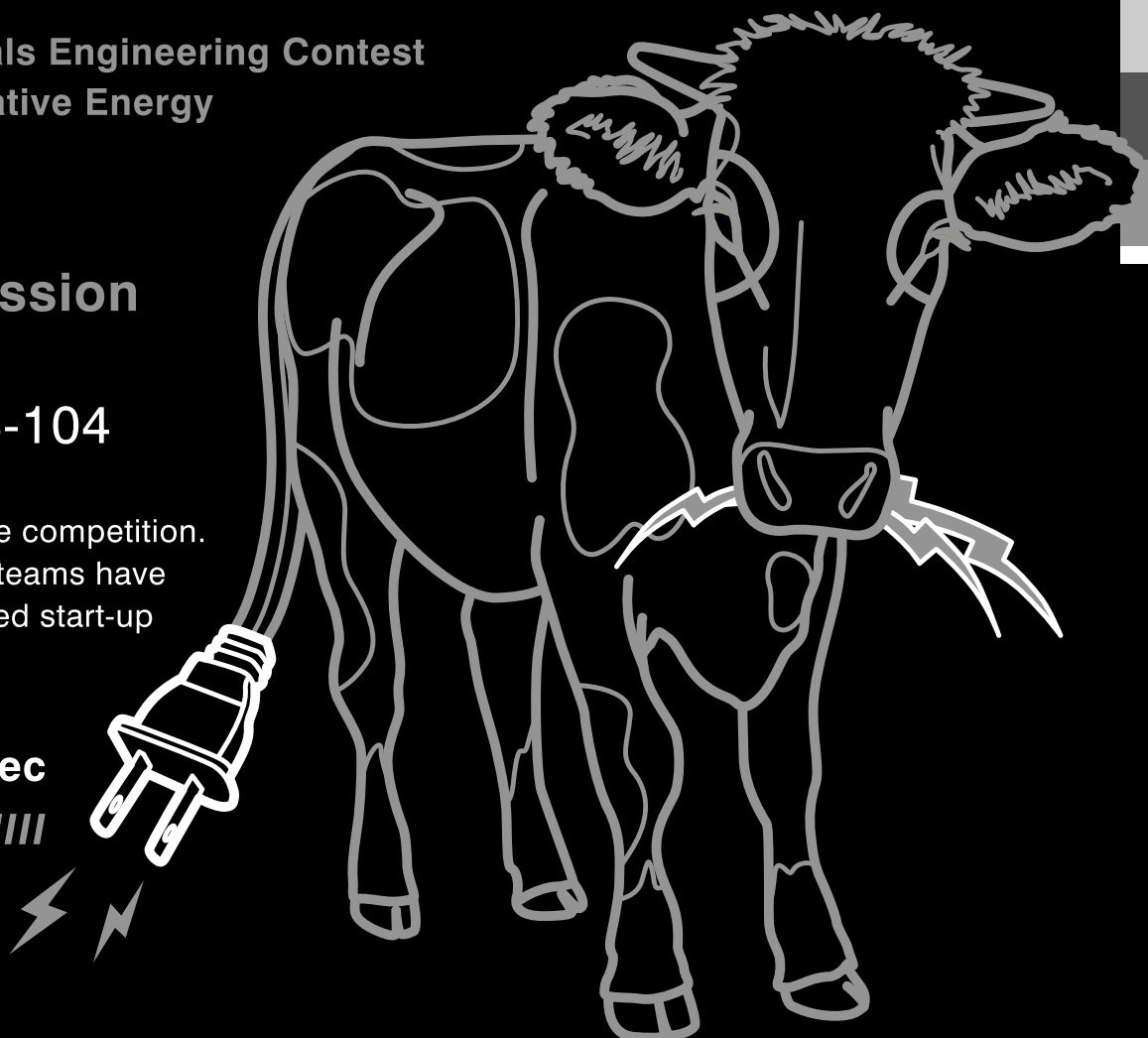
MADMEC III

Making and Designing Materials Engineering Contest
Materials Solutions for Alternative Energy

Kick-Off
Event/Information Session
April 9, 2009 - 7 PM
The Chipman Room, 6-104

Please join us to learn more about the competition. Have some pizza and hear how past teams have continued their projects and developed start-up companies.

<http://dmse.mit.edu/madmec>



C O U R S E I I I D M S E

OPINION



Chairman
Austin Chu G

Editor in Chief
Nick Bushak '10

Business Manager
Mark Thompson '11

Managing Editor
Steve Howland '11

Executive Editor
Michael McGraw-Herdeg G

NEWS STAFF

News and Features Director: Arkajit Dey '11;
Editors: John A. Hawkinson '08, Jeff Guo '11, Natasha Plotkin '11; **Associate Editors:** Emily Prentice '11, Elijah Jordan Turner '11, Pearl Lipinski '12, Robert McQueen '12; **Staff:** Daniela Cako '09, Ji Qi '09, Yiwei Zhang '09, Yuri Hanada '10, JiHye Kim '10, Joyce Kwan '10, Jenny Liu '10, Yan Huang '11, Ryan Ko '11, Lulu Wang '11, Omar Abudayyeh '12, Jessica Lin '12, Meredith Lis '12, Maggie Lloyd '12, Sandhya Rawal '12, Zeina Siam '12, Aditi Verma '12; **Meteorologists:** Cegeon Chan G, Garrett P. Marino G, Brian H. Tang G, Angela Zalucha G, Elizabeth Maroon '10, Vince Agard '11.

PRODUCTION STAFF

Staff: K. Nichole Treadway '10, Alexander W. Dehnert '12.

OPINION STAFF

Editor: Andrew T. Lukmann G; **Staff:** Florence Gallez G, Gary Shu G, Keith A. Yost G, Josh Levinger '07, Krishna Gupta '09, Aditya Kohli '09, Jennifer Nelson '09, Daniel Yelin '10, Ethan Solomon '12.

SPORTS STAFF

Editors: Aaron Sampson '10, David Zhu '12;
Staff: Michael Gerhardt '12, Nydia Ruleman '12.

ARTS STAFF

Editor: S. Balaji Mani '10; **Staff:** Sudeep Agarwala G, Bogdan Fedeles G, Andrew Lee '07, Joanne Y. Shih '10, Kevin Wang '10, Sun K. Kim '11, Maggie Liu '12, Samuel Markson '12.

PHOTOGRAPHY STAFF

Editors: David M. Templeton '08, Andrea Robles '10, William Yee '10; **Associate Editors:** Allison M. Alwan '12, Rachel Fong '12; **Staff:** Vincent Auyeung G, David Da He G, Perry Hung G, Maksim Imakaev G, Arthur Petron G, David Reshef G, Martin Segado G, Noah Spies G, Scott Johnston '03, Martha Angela Wilcox '08, Chelsea Grimm '09, Peter H. Rigano '09, Eric D. Schmiedl '09, Seth A. Villarreal '09, Diana Ye '09, Biyeun Buczyk '10, Arka P. Dhar '10, Helen Hou '10, Monica Kahn '10, Diane Rak '10, Jongu Shin '10, Dhaval Adjodah '11, Monica Gallegos '11, Vibin Kundukulam '11, Michael Y. McCanna '11, Michael Meyer '11, Kari Williams '11, Andrew Shum '12, Meng Heng Touch '12.

CAMPUS LIFE STAFF

Editor: Michael T. Lin '11; **Staff:** Roberto Perez-Franco G, Danbee Kim '09, Sarah C. Proehl '09, Ben Shanks '09, Christine Yu '11; **Cartoonists:** Daniel Klein-Marcuschamer G, Jason Chan '09, Michael Ciuffo '11, Ben Peters '11, Michael Benitez '12.

BUSINESS STAFF

Advertising Managers: Joseph Maurer '12, Greg Steinbrecher '12; **Operations Manager:** Sherry Yan '11; **Staff:** Michael Kuo '10, Heymian Wong '10, Nikhil Sud '11, Connie Chan '12, Mengjie Ding '12, Eric Trac '12.

TECHNOLOGY STAFF

Director: Quentin Smith '10.

EDITORS AT LARGE

Contributing Editors: Ramya Sankar G, Shreyes Seshasai G, Nick Semenkovich '09, Caroline Huang '10, Jessica Witchley '10; **Senior Editors:** Brian Hemond G, Charles Lin G, Satwiksai Seshasai G, Benjamin P. Gleitzman '09, Ricardo Ramirez '09, Angeline Wang '09, Praveen Rathinavelu '10.

ADVISORY BOARD

Paul E. Schindler, Jr. '74, V. Michael Bove '83, Barry S. Surman '84, Robert E. Malchman '85, Deborah A. Levinson '91, Jonathan E. D. Richmond PhD '91, Karen Kaplan '93, Saul Blumenthal '98, Frank Dabek '00, Daniel Ryan Bersak '02, Eric J. Cholankeril '02, Jordan Rubin '02, Nathan Collins SM '03, Keith J. Winstein '03, Akshay R. Patil '04, Tiffany Dohzen '06, Beckett W. Sterner '06, Marissa Vogt '06, Zachary Ozer '07, Marie Y. Thibault '08, B. D. Colen.

PRODUCTION STAFF FOR THIS ISSUE

Editors: Austin Chu G, Steve Howland '11;
Staff: Greg Steinbrecher '12.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer by The Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are \$50.00 per year (third class). **POSTMASTER:** Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. **TELEPHONE:** Editorial: (617) 253-1541. Business: (617) 258-8324. Facsimile: (617) 258-8226. Advertising, subscription, and typesetting rates available. Entire contents © 2009 The Tech. Printed on recycled paper by Mass Web Printing Company.

Corrections

An article last Tuesday on the Graduate Student Council elections incorrectly described the past two years' officer elections as uncontested. While the GSC President elections were uncontested in 2007 and 2008, the Secretary and Treasurer elections have not been. The same article gave an incorrect number of eligible voters for the elections. There are 79 voters, not 69, and they include not only departmental representatives and officers, but also residential representatives and at-large representatives.

Because of incorrect information provided to *The Tech* by the MIT News Office, an article on Friday, March 20 about the Campus Police gave incorrect information about the newly formed police review panel. The panel will report to President Hockfield and Executive Vice President Theresa M. Stone SM '76, not to President Hockfield and Provost L. Rafael Reif.

How to Enjoy the G-20 Show

Alejandro Rogers

The past week was marked by the beginning of the G-20 summit in London which gathered the leaders of the world's largest economies. The focus of the agenda was the financial crisis and more specifically the coordination of an international stimulus package as well as the development of new regulations for financial institutions.

We already know that stimulus packages do not work (there have been plenty of those since last year, and still not a hint of recovery), but what about this new set of international regulation?

As *TIME* magazine states, "The original concern of the leaders who will come to the summit is that a lack of regulation was the root cause of the financial and credit catastrophe that ruined the international banking system."

World leaders must be very out of touch if that is their main concern. The financial crisis was not caused by a lack of regulation — it was caused by massive government intervention in the housing market via Fannie and Freddie. The housing bubble that caused our current woes propagated through the economy precisely because of the same international regulations G-20'ers intend to increase.

I refer to two of those regulations. The first one is the mark-to-market accounting standard (or fair market value), which states that the only way to value an asset (such as a mortgage) is by eyeballing its price on the stock market. But pricing is a delicate endeavor; practitioners spend years studying valuation precisely because there is no one perfect way to value an asset.

Nevertheless the International Accounting Standard Board (IASB), an international regu-

latory body, insisted that this was the way companies all around the world should value their assets and convinced FASB (the American Accounting Board) that their method should be imposed on American companies.

It has been proven in numerous academic writings (Adrian & Shin 2008, Allen & Carletti 2006, Plantin, Sapra & Shin 2007), that these rules impose unnecessary costs and uncertainty on the market. These academic theories were confirmed during this crisis and today we know that the mark-to-market rule, as promoted by

It has been proven in numerous academic writings ... that these rules impose unnecessary costs and uncertainty on the market.

this International Regulatory Board, contributed very much to the propagation and aggravation of the financial crisis.

This is why FASB has decided to suspend the mark-to-market rule, and this is why the IASB is also backing off. If the institutions that imposed international regulation on accounting have helped create such a mess, the least we can do is be suspicious of further international regulatory action.

The other international regulatory institution that was strongly linked with the current financial crisis is the Basel Committee. This international regulatory body sets standards for banks worldwide. More precisely, it fixes the minimum capital requirement of banks (see Basel II), determining how much they can effectively lend.

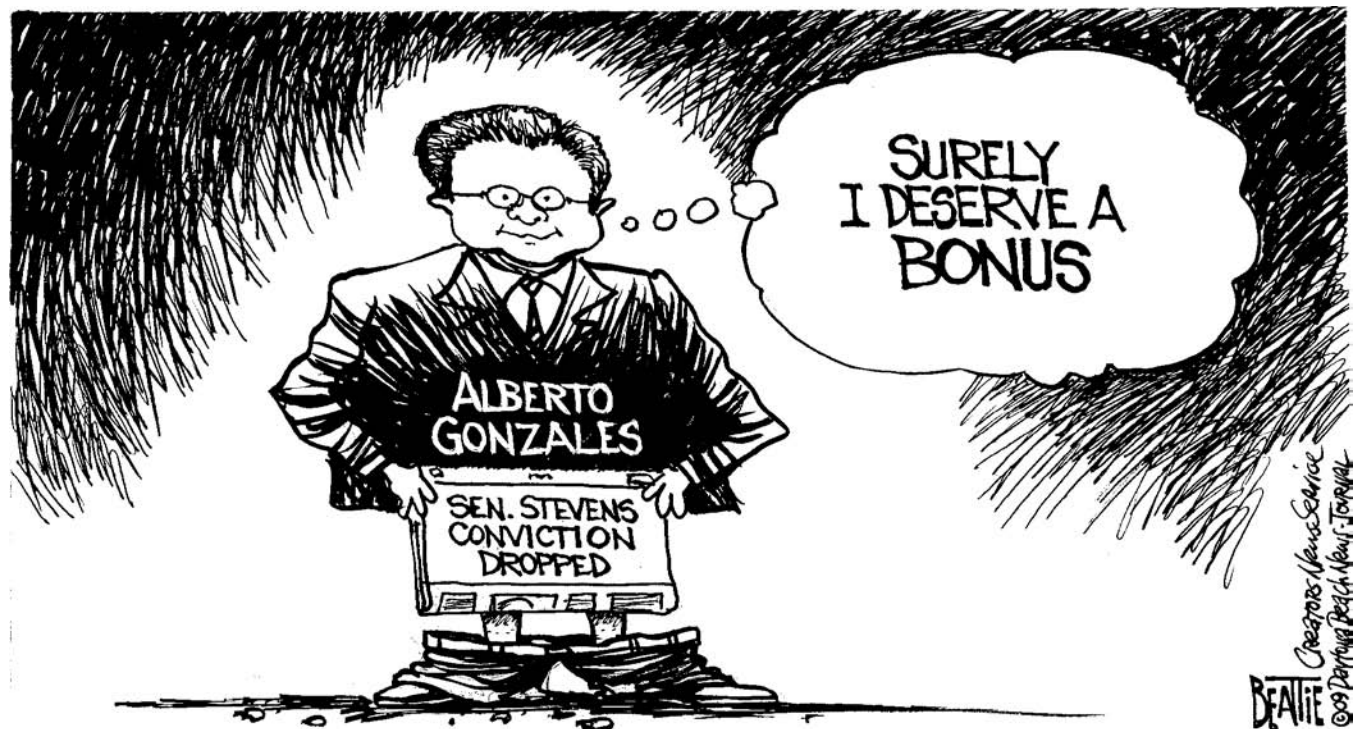
When banks saw their asset value decay,

their equity became thinner and they risked not being able to meet the Basel II capital requirements. This in turn froze the interbank credit market and banks stopped lending to each other because they wanted to build a cushion that would keep them safely above the minimum capital requirements. Had these rigid capital requirements not existed, banks would not have been forced to stop lending.

As we can see, there was already heavy international regulation and powerful global financial regulatory bodies in place before the G-20 meeting. These international financial regulations not only tell financial institutions how to value their assets, but they also tell them how much they can and cannot lend. Moreover, not only were those heavy international regulations totally ineffective in preventing this crisis, they actually made the problem much worse.

But this is of no concern to G-20 leaders, who have apparently discarded these facts. Instead, they chose to create an even bigger and more powerful international regulatory entity: the Financial Stability Board (FSB). This FSB has been granted huge powers. For example, it can implement principles on pay and compensation and on the social responsibility of all firms. It will extend oversight to "all systemically important financial institutions, instruments and markets." Please note the scope of the power of the FSB: all firms.

What is of even more concern is that Congress and other democratic institutions had absolutely no say in this new set of regulations that is being imposed on Americans by a non-elected group of people. Dick Morris, former advisor to President Clinton, called this the repeal of the American Declaration of Independence. Hopefully he is wrong, but, if not, we can still enjoy the sensationalism of this G-20 summit.



Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Austin Chu, Editor in Chief Nick Bushak, Managing Editor Steve Howland, Executive Editor Michael McGraw-Herdeg, and Opinion Editor Andrew T. Lukmann, Joseph Maurer, and Ethan Solomon.

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

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *The Tech* reserves the right to edit or condense letters; shorter letters will

be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. Letters, columns, and cartoons may also be posted on *The Tech's* Web site and/or printed or published in any other format or medium now known or later that becomes known. *The Tech* makes no commitment to publish all the letters received.

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

To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. You can reach the editor in chief by e-mailing eic@the-tech.mit.edu. Please send press releases, requests for coverage, and information about errors that call for correction to news@the-tech.mit.edu. Letters to the editor should be sent to letters@the-tech.mit.edu. The Tech can be found on the World Wide Web at <http://www-tech.mit.edu>.

Reflections from the Arizona-Mexico Border

An International Student's Perspective on Border Issues

Cankutan Hasar

Since Boston is, at its nearest point, more than 1,800 miles away from the Arizona-Mexico border, it is often easy to forget the effects of illegal immigration into the United States. Features and commentary on the illegal Mexican immigrants and their long journeys in the desert do not adequately reflect the true experiences of these people. However, a week-long visit during spring break to the border towns of Sonora, Mexico and Arizona with 6 other MIT students was an eye-opening experience.

As an international student from Turkey, I would not have been able to surmise the full extent of this controversial issue. From our week on the border, we were able to experience the effects of U.S. and Mexican public opinion, changes to federal policies, and the real stories of deported immigrants.

According to the U.S. Border Patrol, 1,138 people died crossing the border near Tucson between 1999 and 2007 — and the number is growing. In recent years, the United States enforced stricter border restrictions and the number of deaths increased dramatically as immigrants had to travel longer journeys in the desert to reach U.S. soil.

During part of the trip, we were able to volunteer for Humane Borders, an NGO based in Tucson, Ariz. Humane Borders offers humanitarian assistance through approximately 90 emergency water stations installed near the Mexico-Arizona border. Humane Borders has more than 10,000 volunteers and is not the only NGO focused on border crossings. The existing number of volunteers and organizations reflect American awareness of illegal immigration and the fact that American people care about the humanitarian aspect of the border issues.

However, there were some times when one could think otherwise. When we were maintaining the emergency water stations in the desert, we came across many vandalized stations. For example, people would open the valves and empty the water tanks so that immigrants could not get water. We even saw some tanks with bullet holes.

In downtown Tucson, we attended a trial at the federal courthouse. In Tucson, about 1,000

people are arrested by the Border Patrol every day, but only 70 of them make it to the courthouse due to capacity constraints. Illegal immigration suspects have their hands and ankles chained as if they would attack and hurt others.

Also, some on trial knew neither English nor Spanish. Though there was an English-Spanish translator present, suspects did not seem truly aware of their situation. For example, if a person enters the US for the first time and gets deported, in his second attempt to cross the border, he can be sentenced up to 6-months in prison.

Our first exposure to the Mexican public occurred when we visited Nogales, Mexico, 70 miles south of Tucson. We brought clothing donations with us for the Mexican Red Cross and migrant care center, and we distributed them to the immigrants, many of whom were deported that morning or the night before. Two days later, we visited Agua Prieta, a Mexican town 120 miles southeast of Tucson, and we were able to visit community centers, the Just Coffee cooperative, and a rehabilitation center for alcoholics.

There were many Mexican volunteers who devoted their lives to help the deported immigrants. The volunteers were well aware of the seriousness of the issue. For example, some were attending training sessions to help them connect with recently deported immigrants suffering depression. Volunteers recounted sad stories, including some about families separated for days and weeks at a time by the Border Patrol.

Volunteers also mentioned the collaboration between the Mexican police and gangs. Many gangs in Mexico collect money (\$2000-\$3000) to transport those wanting to cross the border. However, they often leave the immigrants alone in the desert if they get sick. Or they may just steal the money — leaving them stranded in the desert. Many illegal immigrants are scared to report these crimes to the police because a good number are themselves from South and Central America — also illegal immigrants in Mexico.

Though in the past, the government largely lacked the resources to reintegrate deported immigrants into society, more recently a number

of government-led projects have popped up to fill this role. Grupo Beta was founded in 1990 to protect the welfare and health of immigrants.

An important resource center, the organization facilitates phone calls between relatives in the US and Mexico and provides a 50% subsidiary for bus tickets from the border back to hometowns in other parts of Mexico. Even though these are significant efforts, police and government are often still unable to build trust among the Mexican people, and

people often are forced to find their own ways to protect themselves.

Listening to immigrants' stories, however, proved most effective in seeking to understand the drive behind illegal immigration. People do not cross the border to stay in the US; they cross the border so that they can feed their families. Most of the time, they are innocent and hard-working individuals. Being put into prison for 6 months does not scare them because their children might otherwise die of hunger.

I met one immigrant from Puebla at the migrant care center in Nogales. He had been de-

ported the night before and he was complaining about the treatment by the U.S. Border Patrol. He was insulted verbally and he received a small bottle of water and 3-packets of crackers to share with his 3 friends in the prison daily. However, his situation back home was so difficult that he could possibly try to cross the border another time.

Border crossing problems exist in many parts of the world. For example, Turkey is a transit country for many immigrants from Asia and Africa who are trying to get to Europe.

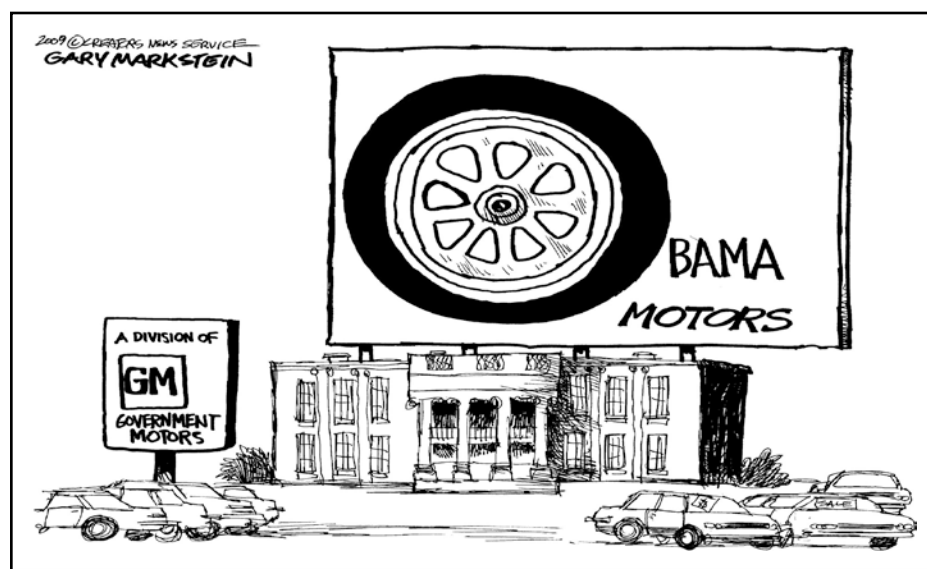
There is not one solution to this big problem. However, a better distribution of welfare around the globe would certainly help. If people can find jobs and sustenance in their hometowns or at least in their countries, they will be less likely to consider crossing the border and risking their lives.

A great example of this idea is local cooperatives like Just Coffee. As a Fair Trade-certified growers' cooperative based in Mexico, it addresses one of the root causes of labor immigration by passing the profits directly to the farmers.

In Boston, we may not feel the direct effects of illegal immigration, but the problem does exist. We simply cannot continue to ignore it!

Cankutan Hasar is a member of the Class of 2010.

Listening to immigrants' stories, however, proved most effective in seeking to understand the drive behind illegal immigration.



got sperm?

SPERM DONORS NEEDED Up to **\$1100** a month!

Healthy MEN in college or with a college degree wanted for our sperm donor program.

Minimal time commitment

Help people fulfill their dreams of starting a family.

Receive free health and genetic screenings.

APPLY ONLINE:

www.SPERMBANK.com

MIT Folk Dance Club
50th Birthday Bash!

International folk and couple dancing

Live music:
Barbara Pixton, Robert Penney, & Brian Wilson and The All-Girl Band

Sunday April 12, 2009
8 – 11 pm
Sala de Puerto Rico

FREE for everyone!

Refreshments provided. Beginners welcome.

<http://mit.edu/fdc>

Coop Student Board of Directors Election Update

The following student Coop members are candidates for the Board of Directors for the 2009-2010 academic year.

MIT Undergraduate Students:
Hattie Chung 2011
Naisi Gao 2011

MIT Graduate Students:
Tanguy Chau 2011
Lorena Lee-Houghton 2011
Paul Romano 2011

Harvard Undergraduate Students:
Melissa Oppenheim 2012
Edmund Soriano 2011
George Thampy 2010
Danni Xie 2012

Harvard Graduate Students:
Aaron Chadbourne 2011
Luke Fuszard 2010
Johanna Wightman 2010

THE COOP M.I.T.
[HTTP://www.thecoop.com](http://www.thecoop.com)

Support Your Candidate/s **VOTE ONLINE** at:
www.thecoop.com

April 6 Through April 27

CAMPUS LIFE

Brouhaha Rhythm

Bankrupting the Tooth Fairy

By Michael T. Lin

CAMPUS LIFE EDITOR

I like toothpicks. I think people underestimate the usefulness of toothpicks in everyday situations. They're useful for opening stubborn plastic packaging, marking one's place in books, and attending to one's fingernails in the absence of a proper manicure kit. And, of course, for picking teeth in scenarios where digging at your molars with your pinky nail and flossing with your own hair aren't socially prudent.

Therefore, it seems to me to be perfectly reasonable to carry around a box of toothpicks on my person wherever I go, along with a flashlight and compass for when the my weak eyesight and horrendous sense of direction get me into trouble. It's gotten to the point where I can scarcely eat potato chips or cheese crackers without a toothpick on hand to make sure my snack foods don't set up shop any longer than necessary.

I'll be tragically honest: I've never been the most conscientious person in regards to dental hygiene. Make no mistake, I brush my teeth as often as I need to in order to avoid bioweapon status on my passport, but I find regular flossing

a challenge. My approach to flossing is similar to my approach to doing laundry. In general, unless mishandled caramel or an urgent orange soda stain prompt immediate action, I do my laundry whenever I run out of a given type of clothing item (today, it's socks) and not much more often than that. Not strictly what one might consider a wholesome understanding of home economics, but I'm hoping that the fact that I'm a college student will excuse me somewhat.

To my credit, I do use an electric toothbrush in the name of dental preservation, although that strikes me as sort of like compensating for poor driving skills with extremely attentive turn signaling. It doesn't fix the primary problem, but it makes it less obvious to those nearby.

Call me pretentious (hey — that wasn't very nice), but I prefer electric toothbrushes over manual ones. I view them in the same category as sleeping masks. Sure, they may seem like luxuries for people who care too much about

trivialities, but when you want to get your teeth extra-pearly or catch some shut-eye when your roommate needs light to study by, they get the job done.

Make no mistake, an electric toothbrush really does clean teeth better (albeit at the expense of the local power grid), especially when you're on the brink of unconsciousness and don't have adequate motor control to move the brush back and forth yourself. The flip side, of course, is that if you're particularly drowsy and uncoordinated, accidentally brushing your nose is considerably more gruesome with an electric toothbrush.

In the event that my poor dental habits are responsible for my smile's demise, I imagine that an accomplice will be found in the wide array of snack food containers strewn around my room. I once decided that if I were ever stuck on a deserted island with only one salty snack and one sweet snack, I would want popcorn and gummi bears. Well, popcorn's long-

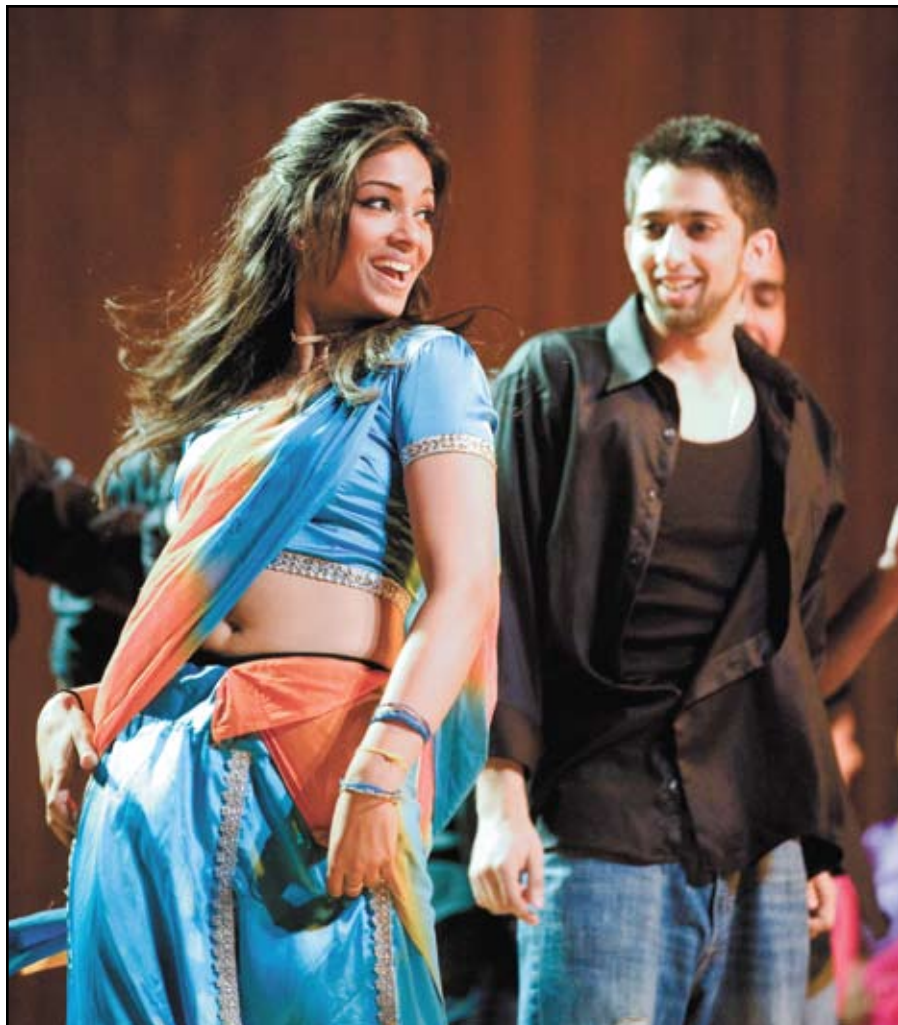
standing invasion orders against one's teeth is well-documented, and gummi bears are practically engineered to lay siege to enamel coatings, being a highly-soluble form of sugar that sticks to surfaces and encourages heavy chewing. The danger of both combined with Costco's tendency to sell gummi in bags of 7,500 or more was perhaps single-handedly responsible for the most recent strain on my dental insurance.

I suppose I should consider myself lucky that my family's choice of dental office doesn't read my column. I'd hate to ruin a good thing — their dental hygienist has enough finesse not to floss-saw my gums bloody, and the dentist can fill two gummi-induced cavities and send me on my way in under half an hour, waiting room time included. As far as I'm concerned, those could easily qualify as the two miracles required for sainthood.

Now, if you'll excuse me, I think I should go buy some dental floss. Maybe it's just my paranoia getting to me, but it occurs to me that if there's a Dentists' Union, there may be a Dental Mafia, and if such a thing exists, I don't want to get on their bad side.

I'll be tragically honest: I've never been the most conscientious person in regards to dental hygiene.

SAAS Culture Show Features Colorful Performances



The South Asian American Students group held its annual culture show, Sapne, in Kresge Auditorium on Friday, April 3.

(clockwise from below)

Renuka Ramanathan '10, Aarthi Ramarathnam '09, and Kavya Kamal Manyapu G (front row, left to right) of MIT Natya perform "Entwined — A Jugalbandhi of Kathak and Bharathnatyam," a combination of traditional dance forms from northern and southern India.

The MIT Bhangra team portrays, in dance, the story of a love triangle among a woman and two competing bachelors.

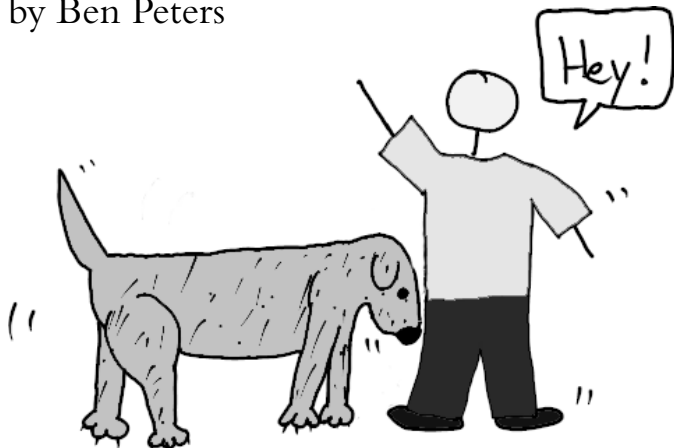
Samir Zaidi '09 and Aarthi Ramarathnam '09 of MIT Bhangra perform "Southie Dance."

Photography by Vincent Auyeung



The Daily Blunderbuss

by Ben Peters



A dog of the house of Montague moves me.

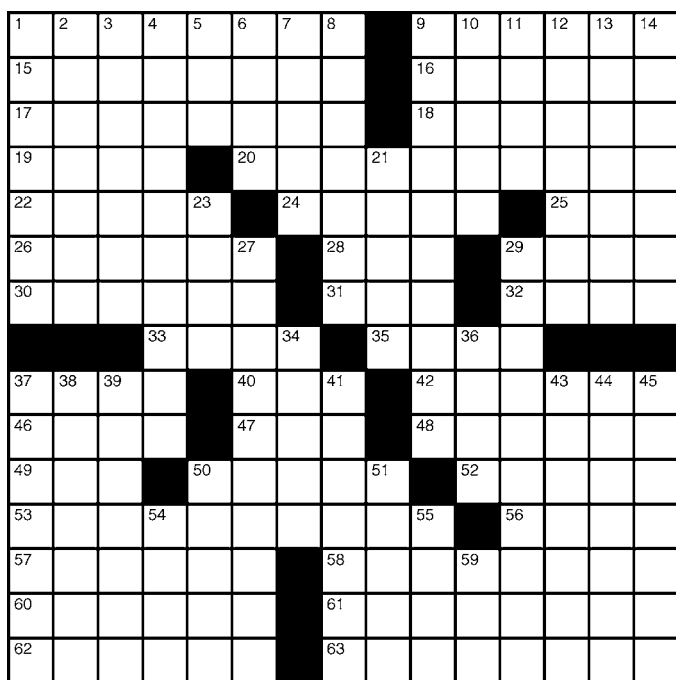
Steal My Comic

by Michael Ciuffo



Crossword Puzzle

Solution, page 12



- ACROSS**
- 1 Refused to yield
 - 9 Horse hotel?
 - 15 Possible to dodge
 - 16 Sci-fi writer Ellison
 - 17 Coal mine's combustible gas
 - 18 Familiarize with a new setting
 - 19 __-Ude, Russia
 - 20 Disinclination
 - 22 Religious factions
 - 24 Puts in order
 - 25 Noisy clamor
 - 26 Giving the once-over
 - 28 Cat's wink
 - 29 Depression
 - 30 Car for hire
 - 31 Goof up
 - 32 Advance gradually
 - 33 Sikorsky of helicopters
 - 35 Extinct New Zealand birds
 - 37 Suffer heartbreak
 - 40 Fa-la connector
 - 42 Peterson and Wilde
 - 46 "___ in the Attic"
 - 47 Portuguese saint
 - 48 Shirley of "Laverne & Shirley"
 - 49 Harbor craft
 - 50 "Liebestraum" composer
 - 52 The nays
 - 53 Focal points
 - 56 Elvis hit of 1958
 - 57 Fine thread
 - 58 Pest
 - 60 Past, present and future
 - 61 Storksbill
 - 62 Bum chasers?
 - 63 Constructors
 - 10 Small open pies
 - 11 Opera showstopper
 - 12 Mixed
 - 13 Making a surgical incision
 - 14 __ Cordiale
 - 21 Take away weapons
 - 23 Hidden obstacle
 - 27 Quality of superficial elegance
 - 29 Scion
 - 34 Friar's Club function
 - 36 On the main
 - 37 Bears witness (to)
 - 38 Pair of rhymed lines
 - 39 Cleanliness
 - 41 Throat soother
 - 43 Shylock's customer
 - 44 Sustain once again
 - 45 All __ go!
 - 50 Pry bar
 - 51 More faithful
 - 54 Instance
 - 55 King's address
 - 59 Anatomical pouch
- DOWN**
- 1 Spurner
 - 2 Whammy look
 - 3 Crusader's adversary
 - 4 Distinct personalities
 - 5 Forlorn
 - 6 Slope
 - 7 Mr. Fudd
 - 8 Leave a jet
 - 9 Resistant to violent impact

Still looking for a Summer Internship?

Jane Street Capital is still interviewing & hiring!

We are looking for quantitatively minded students to join our team of traders in New York for a hands-on summer trading position. Our interns work side-by-side with experienced traders and are given more responsibility as their understanding and learning progress. Summer intern education is supplemented with lessons in a classroom setting, where both trading theory and practice are covered. Interns are encouraged to participate alongside firm traders in mock trading sessions twice weekly. During market hours, interns facilitate trading by interacting with brokers and market makers, moving markets, and printing trades.

Email hr@janestcapital.com with your resume today!

1 New York Plaza, 33rd Floor, New York, NY 10004 www.janestreet.com



JANE STREET CAPITAL

Ever wondered how everything comes together in the paper? Join the Production Team at *The Tech!* join@tech.mit.edu

Doonesbury

BY GARRY TRUDEAU

Dilbert® by Scott Adams

Jobs in Solar



Course 3 & 10 Engineers
Company Presentation
Monday April 13 7:15 pm 4-153

sudoku

© Puzzles by Pappocom

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

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Solution, tips, and computer program at <http://www.sudoku.com>. See also solution, page 12.

CELEBRATING MIT'S 150th BIRTHDAY STUDY BREAK at the MIT Museum!

Friday, April 10 from 6-8 p.m.

FEATURING

A Competition between the Classes!

What objects best represent MIT's unique history & student body?

Submit nominations for the Institute's 150th Anniversary exhibit!

The class year that submits the most nominations will win a prize!

&

"The Brass Rat Through the Ages"

See all the Museum's Brass Rats and the Brass Rat that hacked CalTech's cannon! A Special Exhibit, One Night Only!

FREE food, drinks and music!

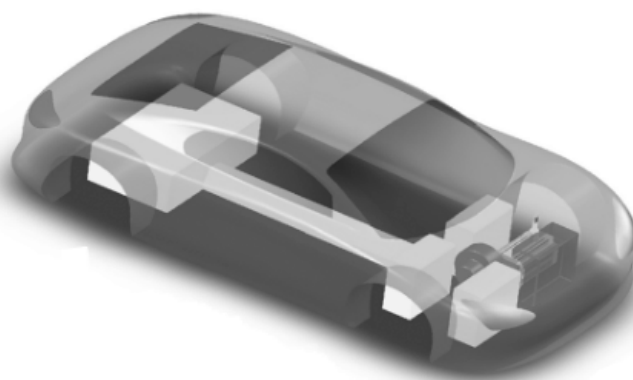
<http://museum.mit.edu/150/>
<http://ambassadors.mit.edu/>



eleven

Eleven minute recharge battery electric sedan

200 mile range



Want to build this over the summer of 2009?

web.mit.edu/evt

The 2009 Harold & Arlene Schnitzer Prize in the Visual Arts

Paintings, prints, sculpture, video, photography, ceramics, art glass - all forms of visual art

All currently registered MIT students may enter the Schnitzer Visual Arts Competition

Deadline: **Monday April 13, 2009**

between 12noon and 5pm at the Student Art Association (W20-429), please submit:

- 1) Examples of artist's work
 - a. Three pieces that well represent your entire body of work
 - b. Or one piece of original work and visual representations of other originals (i.e. slides, photographic prints, etc.)
- 2) A written statement concerning artist's intent as it pertains to his or her works and art in general

PRIZES & EXHIBITION

Prizes will be awarded for first, second, and third place in the competition

Honorable mentions may also be awarded

Winners must be willing and able to display their work in the Wiesner Student Art Gallery for an exhibition that will open on May 26, 2009

This includes the installation and deinstallation of the exhibition


The show will hang in the gallery during Commencement, and close at the end of June 2009

There will be an opening reception at the gallery for the MIT community on May 26, 2009

- **FIRST Prize \$5,000**
- **SECOND Prize \$2,500**
- **THIRD Prize \$2,000**

Please contact cohen@media.mit.edu for a pdf of the application package

<http://saa.mit.edu//schnitzer.html>




MIT CENTER FOR INTERNATIONAL STUDIES
WEB.MIT.EDU/CIS | STARRFORUM@MIT.EDU

THE MOST IMPORTANT NUMBER IN THE WORLD

Calling on MIT Students to Join the Global Campaign to Save the Planet

MONDAY, APRIL 13
4:30 – 6:00PM
WONG AUDITORIUM
MIT BLDG E51
70 MEMORIAL DRIVE, CAMBRIDGE

FREE & OPEN TO THE PUBLIC



Bill McKibben, a scholar in residence at Middlebury College, is an environmentalist, educator, and prolific writer on related topics. In summer 2006, he led the largest demonstrations against global warming in American history.

Science has given us, in the last 18 months, a real bottom line for the planet: a CO2 concentration above which, as NASA's Jim Hansen has put it, we can't maintain the "planet similar to that on which civilization developed and to which life is adapted." We need a movement to get that scientific truth across to as many folks as possible. McKibben will describe the huge global campaign he's building, which will peak this fall—and which could use some of the clever help for which MIT students are famous.

SPONSORED BY THE MIT CENTER FOR INTERNATIONAL STUDIES AND ITS NEW PROGRAM: ENVIRONMENTAL VULNERABILITY, RESILIENCE, AND JUSTICE

Budget Cuts Will Be Unfurled Over Three Years, Reif Tells UA

Reif, from Page 1

stronger if these cuts are made thoughtfully, Reif said.

Reif said that many of the schools that made huge one-time cuts have had to revise their budgets.

Furthermore, a massive budget cut is much more painful than smaller cuts over time. "A 15 percent cut at one time is brutal — it is demoralizing," he said.

Reif also called for student input and ideas on managing the budget. He encouraged students to make cost-saving suggestions.

"If a group of students see that a unit is cutting a program that they really, really want, I strongly encourage them to come up with other ideas. Even if we're cutting a program you don't like, we still want to see ideas," he said.

"The crazier the ideas, the better," he added.

Reif emphasized that he does not want to micromanage how schools within MIT make their cuts. Schools and units are told how much they need to cut, but they have the respon-

sibility to manage their own budgets.

"I anticipate all units, like the Libraries and Student Life, to get more cuts. How they decide to make the cuts — I leave that up to them," he said.

Asked about MIT's research in the near term, Reif said he wanted MIT to continue its work in energy but also pay more attention to the life sciences.

"We have done well, and we continue to do well, in converging math, science, and engineering," Reif said. "That won't stop. But what I think needs to happen now is a convergence of life science, engineering, and math."

Reif talked about his ideas to make MIT an "institution of the twenty first century."

"Perhaps we need to change the way we educate," he said, citing how many students do not attend class despite the work many lecturers put into preparation.

He suggested that students spend more time participating in hands-on activities, but acknowledged that no educational style works for everyone.

Discounted Digi-Key Prices Available from Outside Procurement

Digi-Key, from Page 1

been long been requested, since MIT no longer has electronics storerooms that will provide students with parts.

Over the past few decades, parts have become so easy to order that departments have stopped maintaining large stocks of parts. Instead, individual labs order only what they need.

Most purchases by MIT labs and

groups take place through a system known as eCAT³, a procurement web portal which offers access to catalogs from various suppliers with MIT's discounts already applied.

To make a purchase through the eCAT³ system, the user must be an approved buyer. Most students cannot make use of the eCAT³ system, so they cannot access many discounts available from MIT suppliers.

Your Vote Matters: Elect a Recent Graduate to the MIT Corporation

<http://alum.mit.edu/about/elections/corpballot>

Polls are now open to elect a recent graduate to a five-year term on the MIT Corporation, the Institute's Board of Trustees.

Eligible Voters: Alumni who received an undergraduate or graduate degree in 2007 or 2008 and prospective 2009 graduates may vote.

The Corporation Screening Committee has selected eight candidates to place on the ballot.

The candidates are:

Raja H. R. Bobbili '08
Andrew (Zoz) G. Brooks PhD '07
Sylvain Bruni SM '04, PhD '09
David T. Danielson PhD '08



Martin F. Holmes '09
David N. Reshef '08 MNG '09
Christina Santini MCP '09
Kate Thompson '02, SM '04, PhD '07

Why Vote? This annual election gives you an opportunity to ensure that recent graduates have a voice in the governance of MIT.

The MIT Alumni Association has sole responsibility for promoting the election to eligible voters. Candidates and eligible voters should NOT campaign on behalf of any candidate. The only sanctioned forms of campaigning are the candidate profiles and posters available to eligible voters on the ballot Web site <http://alum.mit.edu/about/elections/corpballot>

Polls Close: April 30, 2009, 5:00 PM (EDT)

Contact: Sarah Hendrick, MIT Alumni Association, hendrick@mit.edu

CUSTOM PRINTED & EMBROIDERED T-SHIRTS

SWEATSHIRTS - POLOS - HATS & MORE!

ph - 617-625-3335
email - info@qrsts.com
www.qrst.com
Somerville, MA



HOLY WEEK

'MAUNDY WEDNESDAY'
agape meal and footwashing, ending in silent vigil in the Chapel,
Wednesday, April 8, 5:15 pm in
W11 Main Dining Room



GOOD FRIDAY
Solemn remembrance of our Lord's death,
Friday, April 10, noon to 1 pm in
the MIT Chapel



EASTER VIGIL
A glorious celebration to mark the heart of the Christian year, with much singing, sunrise, a baptism, and breakfast following,
4:30 AM (yes, AM...) at the
MIT Sailing Pavilion.
Please dress warmly.

Sponsored by LEM
<http://web.mit.edu/lem>

Everyone is welcome
at all events

Several Schools Backing Off On Equity

Home Equity, from Page 1

started to back away from that formula, because it forced many families of otherwise modest means to cover too much of the cost of tuition. About two dozen of the nation's more affluent colleges, like Columbia University and the Massachusetts Institute of Technology, capped the amount of home equity that they would consider available for tuition.

If an applicant had, say, \$500,000 in available home equity and the household income was \$100,000, some of these colleges would consider only \$120,000 of home equity in their financial aid calculations, or 1.2 times the family's income. Others would multiply the household income by 1.5 or 2, instead.

Some schools, like Sarah Lawrence College in Yonkers, N.Y., have not opted for a cap. But now that home values are lower, and families cannot easily qualify for home-equity loans, applicants are getting a break in other ways. "We're seeing less equity available now," said Heather McDonnell, the director of financial aid, "so our expectations for families are down."

McDonnell said that a household with an adjusted gross income of about \$100,000, and \$150,000 in available home equity, had been expected to use roughly 5.65 percent of that home equity for a year of tuition. That amounts to about \$9,000 of Sarah Lawrence's tuition and fees, which exceed \$50,000.

But McDonnell says she and industry colleagues understand that home equity is now harder to access (although such loans are attractive to some borrowers, because they are tax deductible). Banks will often deny second mortgages even to those with lots of equity if borrowers have poor credit scores or if their income consists heavily of commissions or bonuses.

In such situations, McDonnell said she would lower a family's expected tuition contribution and either lobby for a larger grant from the college or recommend other loan options.

Rick Darvis, a founder of the National Institute of Certified College Planners in Syracuse, said that consumers were increasingly hesitant to use home equity for tuition, because "most of them may want to use it to survive themselves until this economic crisis is over."

He noted that some older parents (at least 62) are instead considering reverse mortgages, which also convert the equity in homes into cash. Unlike conventional loans, reverse mortgages require no monthly payments, and the money doesn't have to be repaid until a home is sold, or the borrowers move out.

"It's probably not a smart idea to do it," Darvis said, adding that in such cases the children might bear more of the financial burden of tuition.

ASA Event Funding Results

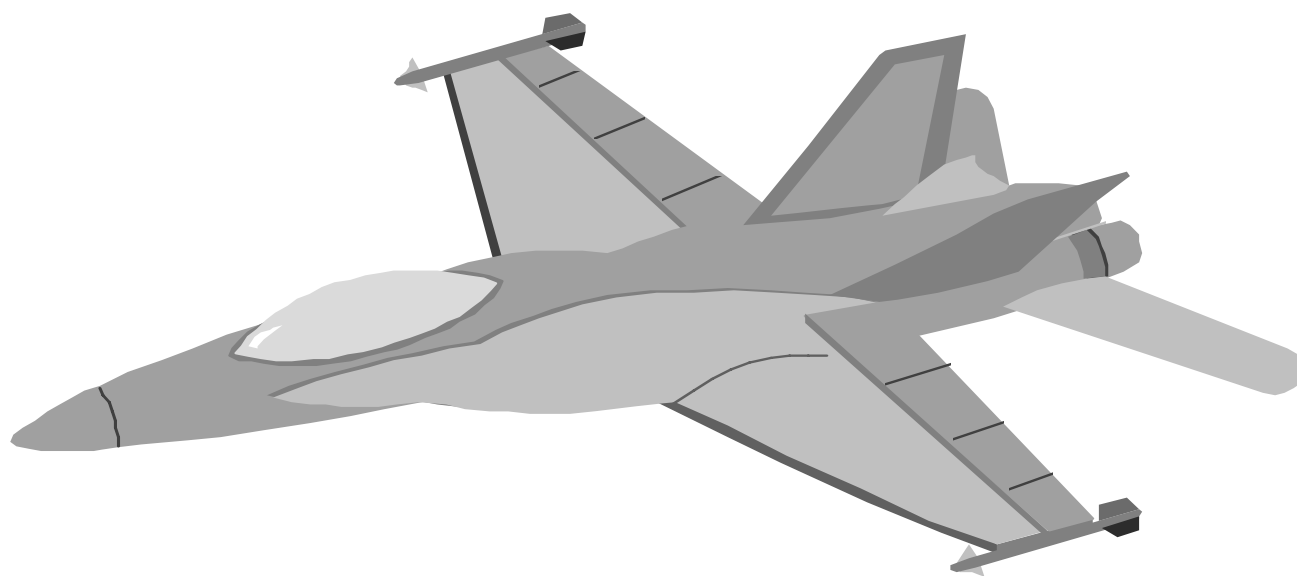
LEF Event	Amount Requested	Amount Received	Percent Funded
Breakonomics 2009 (Imobilare)	\$4,435.00	\$4,435.00	100%
MIT Sustainability Summit	\$3,532.00	\$3,532.00	100%
Wellness Week: "Behind Happy Faces"	\$3,400.00	\$3,400.00	100%
DTYD XL (Burton Third)	\$3,000.00	\$3,000.00	100%
East Campus Campus Preview Weekend	\$3,155.52	\$3,000.00	95%
Campus Build and Shanty Town	\$3,989.00	\$2,500.00	63%
SEDS New England Conference	\$3,000.00	\$2,500.00	83%
West Campus Block Party	\$3,000.00	\$2,500.00	83%
Eastgate "Celebrate the Spring" BBQ	\$2,000.00	\$2,000.00	100%
LSC Free Summer Movie Series	\$3,595.00	\$2,000.00	56%
Mandala @ MIT (Buddhist Community)	\$25,260.00	\$2,000.00	8%
Medlinks Finals Breakfast	\$4,000.00	\$1,500.00	38%
Tech Tip-Off Basketball Tournament (Pi Lambda Phi)	\$1,030.00	\$1,030.00	100%
Coast Guard Helicopter Fly-In and BBQ (Flying Club)	\$2,677.00	\$1,000.00	37%
La Fete (Edgerton House)	\$2,500.00	\$1,000.00	40%
MIT Battle of the Bands (ZBT)	\$850.00	\$850.00	100%
African Student's Association Boat Cruise	\$2,130.00	—	0%
Biodiesel kickoff	\$3,300.00	—	0%
Gospel Fest (Gospel Choir)	\$9,229.00	—	0%
iFair (International Students Association)	\$6,500.00	—	0%
MassCPR (MIT-EMS)	\$2,265.00	—	0%
MIT Logarithms Spring Concert	\$9,314.00	—	0%
Total applications	\$102,161.52	\$36,247.00	35.5%

ARCADE Event	Amount Requested	Amount Received	Percent Funded
Fierce Forever 8	\$5,000.00	\$4,000.00	80%
Muslim Student's Association Spring Dinner	\$3,600.00	\$3,600.00	100%
Grains of Rice	\$3,362.00	\$3,362.00	100%
An Easter Service with Dr. Heidi Baker	\$3,988.51	\$3,300.00	83%
2009 MIT Open Ballroom Dance Competition	\$4,000.00	\$3,238.50	81%
China Week (CSSA)	\$3,275.00	\$2,500.00	76%
Culture Show (SAAS)	\$6,000.00	\$2,500.00	42%
Astanga Yoga, "Bhagavad Gita" Lecture Series	\$2,300.00	\$2,300.00	100%
Sid-Pac Cultural Festival	\$2,835.00	\$2,000.00	71%
Orthodox Easter 2009 (Hellenic Students Association)	\$3,200.00	\$2,000.00	63%
CPW Steel Pan Jamboree '09 (Caribbean Club)	\$1,750.00	\$1,750.00	100%
Ashdown House Cultural Dinner Series	\$2,250.00	\$1,500.00	67%
Bollywood Movie Night (Sangam)	\$2,000.00	\$1,500.00	75%
Holi (Hindu Students' Council)	\$2,284.00	\$1,500.00	66%
International Flava (Casino Rueda)	\$2,807.00	\$1,500.00	53%
MIT Hawaii Club Luau	\$2,000.00	\$1,500.00	75%
Hanami Party (Ennichi) (Japanese Association)	\$1,480.00	\$1,480.00	100%
Dhoom 2009	\$2,500.00	\$1,400.00	56%
Strait to Taiwan (Association of Taiwanese Students)	\$1,167.96	\$1,167.96	100%
Turkish Sovereignty Festival and BBQ	\$800.00	\$800.00	100%
Persian New Year	\$750.00	\$750.00	100%
Ebony Affair (Black Graduate Students Association)	\$715.00	\$715.00	100%
MIT/Harvard Colombian Colloquium	\$900.00	\$700.00	78%
English Translations of Vladimir Vysotsky (Russian Connection)	\$500.00	\$500.00	100%
Hebrew Ulpan End of Semester Party (Hillel)	\$500.00	\$500.00	100%
Lebanese Club of MIT/ASO Seminar Series	\$350.00	\$350.00	100%
Indian Cultural Night at Edgerton House	\$300.00	\$300.00	100%
Boshonto' Kite Flying Festival (Bangladeshi Students' Association)	\$529.00	—	0%
GITA 2009 (Sangam)	\$900.00	—	0%
Guest Lecture: Meditation on Sacred Sounds (Bhakti-Yoga)	\$550.00	—	0%
Medicine and Martial Arts (Traditional Medicine Society)	\$3,795.00	—	0%
Total applications	\$67,438.47	\$46,713.46	69.3%

The Association of Student Activities has released the Spring 2009 allocations for the Large Event Fund (LEF) and ARCADE (Assisting Recurring Cultural And Diversity Events).

The ASA gave \$13,723 more than last spring, though the money was allocated differently. Compared to last spring, LEF events received \$6,315 less funding, while ARCADE events received \$20,038 more. The increase in ARCADE spending comes from \$25,000 of ARCADE funds that the ASA forgot to spend last year, according to treasurer Shan Wu G.

SOURCE: ASSOCIATION OF STUDENT ACTIVITIES



Freshmen Open House Department of Aeronautics and Astronautics - Course 16 Wednesday, April 8, 2009

4:00-5:30 PM

Robert C. Seamans Lab, Aero Astro Student Lounge, Bldg 33, 1st Floor

Paper Airplanes, Mingling with Faculty and Upperclassmen, Refreshments, etc.

Ever wondered what it's like to be an astronaut? Ever wondered what rocket science is really all about? Like paper airplanes and throwing things? Well, come over to the Course XVI (Aero/Astro) Open House on Wednesday April 8, from 4-5:30 in the Aero/Astro Student Lounge! Come chat with professors and students about what's really going on in the Aero/Astro Department and what it's like to be a part of this community of 180+ undergrads. Of course, there will be paper airplane folding and throwing. We'll provide the paper, you provide the talent and ingenuity.

Hope to see you there!

Sponsored by Course 16 and the American Institute of Aeronautics and Astronautics (AIAA) MIT Chapter.

This space donated by The Tech

don't believe everything you feel.

You've been pulled from the world you once knew. There's a reason for it. It's depression. It's very prevalent. But it's also very treatable.

TREAT DEPRESSION

#1 Cause of Suicide

<http://www.save.org>

SPORTS

SCOREBOARD

Baseball	
Saturday, April 4, 2009	
MIT	1
Babson College	2
MIT	6
Babson College	1

Men's Heavyweight Crew	
Saturday, April 4, 2009	
Alumni Cup	
MIT	2nd of 3

Men's Lacrosse	
Saturday, April 4, 2009	
MIT	9
Massachusetts Maritime Academy	4

Softball	
Sunday, April 5, 2009	
Springfield College	0
MIT	5
Springfield College	14
MIT	0

Men's Tennis	
Friday, April 3, 2009	
The College of New Jersey	3
MIT	6
Saturday, April 4, 2009	
MIT	8
Springfield College	1

Women's Tennis	
Saturday, April 4, 2009	
New York University	3
MIT	6
MIT	2
Wellesley College	7

Women's Track	
Saturday, April 4, 2009	
Engineers Cup	
MIT	1st of 3

Men's Volleyball	
Friday, April 3, 2009	
Vassar College	3
MIT	0

Men's Heavyweight Crew Finishes Close Second at Alumni Cup

MIT's varsity heavyweight crew began its spring season with a strong showing against one of the best crews in the country, finishing less than two seconds behind Columbia in the Alumni Cup. Columbia, which finished sixth at last year's national championships, entered the campaign ranked No. 8 in the nation.

Sports Shorts

The Engineers gave Columbia all it could handle, fighting the Lions for every stroke of the wind-shortened 1300 meter course. Holy Cross finished third, six seconds behind MIT.

MIT's freshman crew dominated its race, finishing several lengths ahead of the Columbia and Holy Cross frosh boats.

—James Kramer, DAPER STAFF

Engineers Split with Springfield in Softball Doubleheader

Freshman pitcher Jessica L. Iacobucci '12 earned her second complete-game shutout of the season and Keri A. Dixon '12 chipped in 3 RBI and a run scored to help the MIT softball team earn its first ever win over Springfield, a 5-0 decision in game one of a New England Women's and Men's Athletic Conference (NEWMAC) doubleheader on Sunday. The Pride rebounded to win game two, 14-0, in just five innings. With the split, MIT moves to 5-10 on the season and 2-2 in conference play. Springfield's ledger now stands at 8-14 overall and 3-3 in the NEWMAC.

In the opener, the Engineers struck for five runs in the third, which would be more than enough support for their rookie hurler, who only allowed two runners to advance past first all day.

Jessica M. Oleinik '11 singled home catcher Jennifer Li '11 with no one out in the third to put the Cardinal and Grey on the board. Dixon then hit a bases clearing, three-run double to open up a 4-0 lead. She would later score on Iacobucci's sacrifice fly.

Springfield's only threat of the game came in the top of the third, as a single and a pair of two-out walks loaded the bases for Jaimie Moran. However, Iacobucci induced an inning-ending pop out to escape the jam.

Iacobucci allowed just three hits while striking out six in seven innings of work for the shutout win. Springfield pitcher Samantha Rhodes earned the loss, surrendering five runs on nine hits over six innings.

The Pride responded early in the second contest, taking advantage of five walks by Oleinik and striking for nine runs in the game's first two innings. A seven-run second turned the tide in Springfield's favor and proved to be too much for the hosts to overcome. Michelle Wlosek had the key hit in the second, a bases loaded, three-run double to the gap in right-centerfield. The junior catcher finished the game 3-for-3 with four RBI, two runs and a walk.

Oleinik lasted just an inning and two-thirds, allowing eight earned runs on just three hits and five walks.

Springfield starter Megan Fitzgerald tossed five innings of four-hit ball to earn the win in game two.

MIT will travel to Smith on Monday, April 6 for a makeup of last Friday's scheduled doubleheader. The first pitch of game one is at 3:30 p.m. The Pride visit Keene State for two games on Tuesday, starting at 3:30 p.m.

—Greg McKeever, DAPER STAFF

Solution to Crossword

from page 7

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

Solution to Sudoku

from page 8

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

UPCOMING HOME EVENTS

Tuesday, April 7, 2009

Men's Lacrosse vs. University of Massachusetts - Boston
4 p.m., Barry Field

Women's Lacrosse vs. Simmons College
5:30 p.m., Barry Field

Wednesday, April 8, 2009

Softball vs. Babson College
3:30 p.m., Briggs Field

Softball vs. Babson College
5:30 p.m., Briggs Field

Thursday, April 9, 2009

Women's Lacrosse vs. Colby-Sawyer College
4 p.m., Barry Field

Royal Bengal

Boston's only authentic Bengali Cuisine restaurant

313 Mass. Ave., Cambridge
(617) 491-1988

Open Daily Except Monday
11:30 am - 11:30 pm
Lunch Buffet \$7.95
Reasonably Priced Dinners

T: Red Line, Bus #1 - Central Square

10% Discount on \$15
(or more) order with MIT ID.

Free delivery for orders over \$10.
Take-out, platters, and catering available.
<http://www.royalbengalrestaurant.com/>



Summer UROP 2009

MIT Computer Science & Artificial Intelligence Laboratory

Want to have fun...

work on interesting research...

and get paid?

Find out about CSAIL summer UROP opportunities:

Tuesday, April 7, 2009

3:30-5:00pm

32-G449/Patil Conference Room

For more information: www.csail.mit.edu
or email: summerurop2009@csail.mit.edu

