

MIT's
Oldest and Largest
Newspaper



The Weather
Today: Mostly cloudy, 43°F (6°C)
Tonight: Rain with snow, 35°F (2°C)
Tomorrow: Cloudy early, then clearing,
45°F (7°C)
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Volume 127, Number 61

Cambridge, Massachusetts 02139

Tuesday, December 11, 2007

Course VI Eliminates Popular 6.170, Lab in Software Engineering

By Arkajit Dey
STAFF REPORTER

The Laboratory in Software Engineering class, 6.170, was offered for the last time this term and will not be offered in any subsequent terms.

With the introduction of the new Course VI (Electrical Engineering and Computer Science) curriculum this year, 6.005 (Principles of Software Development) will be the “foundation software subject,” taking the place of 6.170, and “will be followed by other software-intensive subjects,” said W. Eric L. Grimson ’80, EECS department head, in an e-mail to Course VI students.

“The final decision was recent, but we’ve been agonizing over it for a good chunk of the term,” Professor George C. Verghese, EECS education officer, said. “We wanted to get an official word out before pre-registration opened.”

In the new curriculum, the extent of overlap between 6.005 and 6.170 was substantial enough that it “didn’t make sense to be offering both subjects side-by-side” next term, Verghese said.

The original plan was for students to take 6.005 with a 3-unit

6.170, Page 17

ASA Allocates Student Group Space, Chooses Rooms for More Review

By Angeline Wang
EDITOR IN CHIEF

As a result of this year’s student group space allocations, a number of rooms in the Student Center and Walker Memorial have been marked as spaces that could “be allocated in more creative ways to better serve the student group community,” according to the Association of Student Activities.

ASA President James R. Peacock IV ’08 said the ASA wanted input from the general body on whether some student spaces were being used efficiently or appropriately. “These

spaces may not be touched or reallocated at all,” Peacock said. “We just want to get a conversation started on whether we are using space as best we can.”

A town hall meeting will be set up for January or the spring to have these discussions, Peacock said. Until then, the marked spaces are allocated as stated in the ASA’s initial allocations, completed Nov. 28.

“We walked through every room,” Peacock said. “From that, we could say that some groups were doing

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Hackers placed various references to board games around campus on the morning of Monday, Dec. 10. The Stata Center’s Student Street was turned into Mousetrap. Buildings 46 and 34 became a game of Cranium. MIT Medical’s courtyard was transformed into a chess match between Institute administration and students. The “Dot” (below) in front of Building 54 turned into the Settlers of Catan. Campus maps became games of Risk, and the Media Lab (above) was transformed into a large game of Scrabble.

Photography by Eric D. Schmiedl



Members Elected to '08 Panhel Board

Board Will Work Toward Adding Sixth Sorority, Increasing Chapter Unity

By Yan Huang
and Joyce Kwan

The MIT Panhellenic Association has elected new members to its executive board, which will serve for the upcoming year. This line-up of elects was approved by the five MIT sororities last night after two slates were previously rejected. One goal for the newly-elected executive board will

be to add a new sorority to the five currently existing in Panhel.

The 2008 Panhel executive board members will be Tiffany W. Guo ’09 as president, Yi Zhou ’09 (also a Tech associate news editor) as executive vice president, Yicong Liu ’09 as vice president of recruitment, Cheryl M. Kwinn ’09 as vice president of recruitment programming, Minh-

Phuong Huynh-Le ’10 as vice president of programming, and Julia H. Yoo ’10 as vice president of finance and records.

Guo said her plans for Panhel will focus on efforts to add a new sorority to the five existing chapters, to re-evaluate Panhel activities to en-

Panhel, Page 16



OMARI STEPHENS—THE TECH

Two MIT jazz combos performed in Killian Hall on the evening of Tuesday, Dec. 4. Here, Chih-yu Chao G (left) sings Clifford Brown’s “Sandu” as A. Keala Kaumeheiwa, the ensemble’s coach, plays bass and Maxwell N. Krohn G plays the saxophone.

Energy Initiative Plans for Minor Degree, Faculty Hires

By Marcella Vokey

The MIT Energy Initiative, officially established in September 2006, has made steady progress, with plans to create a minor degree program in energy and increase energy efficiency within the Institute.

The Initiative, announced by President Susan Hockfield at her inauguration in May 2005, spans all five MIT schools and is a community-wide effort to solve the global energy crisis. Ultimately, the Initiative hopes to use MIT’s rich resource of students, faculty, and tools to turn MIT into a living laboratory in the search for sustainability.

The Energy Council, the faculty group tasked with implementing the goals of the Energy Initiative, is in the process of collaborating with companies, hiring faculty, and sponsoring efforts within the Institute.

MITEI Director Ernest J. Moniz said in an e-mail that he anticipates having at least eight companies with MITEI membership agreements by mid-January. These companies will support research aligned with their company interests and will contribute to the seed fund program, which will grant money to student groups

Energy, Page 15

In Short

¶ Food vendors in the Student Center will offer student discounts during finals week, courtesy of the Undergraduate Association and Dining. Subway will offer 50 percent discounts on the Sunday before finals week from 4:30 p.m. to closing and 25 percent discounts Monday, Tuesday, and Wednesday. Anna’s Taqueria will sell \$3 burritos Monday from 4:30 p.m. to closing. Cambridge Grill will \$1 slices of cheese pizza, \$2 slices of topped pizza on Tuesday from 4:30 p.m. to closing. Shinkansen will also participate

though details are still being worked out. Students must show their student ID for the discount.

¶ MIT Community Winter Break will be held in Lobby 7 on Thursday, Dec. 13, from 4–5 p.m. The event, sponsored by the Office of the President, is open to the entire MIT community and will serve hot chocolate, cider, donuts, and cookies. See <http://web.mit.edu/events/winterbreak>.

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

This is the last issue of *The Tech* for 2007. *The Tech* will resume Jan. 9, 2008, and it will publish on Wednesdays during the Independent Activities Period.

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Hotel@MIT renamed, sold for \$63.2 million. Page 17
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WORLD & NATION

Given the Leniency to Show Leniency, Judges May Not

By Adam Liptak

THE NEW YORK TIMES

It is one thing to have power, and another to use it. Monday, the Supreme Court told federal trial judges that they had enormous discretion in sentencing criminal defendants, which will probably accelerate a mild trend toward more lenient sentencing. But if history is any guide, judges will continue to use their sentencing power relatively sparingly, specialists in sentencing law said.

The two decisions issued Monday built on a 2005 decision that made the federal sentencing guidelines advisory rather than mandatory, which led to the modest trend toward leniency.

Now that the Supreme Court has again emphasized that federal trial judges have the discretion to move outside the guidelines, further departures are rather likely. But the size of that may not be huge, said Douglas A. Berman, a law professor at Ohio State University. "The really interesting question," Berman said, "is whether we get a more significant gravitation away from the guidelines."

Police Tie Colorado Church Shootings to One Gunman

By Kirk Johnson and Dan Frosch

THE NEW YORK TIMES

COLORADO SPRINGS, COLO.

Two deadly church shootings in Colorado over the weekend, 12 hours apart in different cities, were committed by the same man, though his motives remained unclear, the police here said Monday.

Five people were killed, including the gunman, identified as Matthew Murray, 24, of Englewood, who was shot by a volunteer security guard at the second incident, at the New Life Church here.

The guard, Jeanne Assam, a church member with police experience and a pistol permit, said she took cover as Murray began his rampage at New Life, a 14,000-member evangelical megachurch, at about 1 p.m. Sunday, while hundreds of worshippers were leaving after the 11 a.m. service. She said she leaped up and identified herself, and when Murray did not respond, opened fire.

Assam said she had been on the third day of a three-day fast, praying to God to provide direction for her life.

"I knew I was given the assignment to end this," Assam said at a news conference Monday at the Colorado Springs Police Operations Center. "I give the credit to God."

Freelancers Walk Out At MTV Networks

By Brian Stelter

THE NEW YORK TIMES

Scores of workers from MTV Networks walked off the job Monday afternoon, filling the sidewalk outside the headquarters of its corporate parent, Viacom, to protest recent changes in benefits.

The walkout highlighted the concerns of a category of workers who are sometimes called permalancers: permanent freelancers who work like full-time employees but do not receive the same benefits.

Waving signs that read "Shame on Viacom," the workers, most of them in their 20s, demanded that MTV Networks reverse a plan to reduce health and dental benefits for freelancers beginning Jan. 1.

In a statement, MTV Networks noted that its benefits program for full-time employees had also undergone changes, and it emphasized that the plan for freelancers was still highly competitive within the industry. Many freelancers receive no corporate benefits.

But some of the protesters asserted that corporations were competing to see which could provide the most mediocre health care coverage. Matthew Yonda, who works at Nickelodeon, held a sign that labeled the network "Sick-elodeon."

GOP Voters Seem Uninspired By Presidential Candidates

By Adam Nagourney and Megan Thee

THE NEW YORK TIMES

Three weeks before the Iowa caucuses, Republicans voters across the country appear uninspired by their field of presidential candidates, with a vast majority saying they have not made a final decision about whom to support, according to the latest New York Times/CBS News Poll.

Not one of the Republican candidates is viewed favorably by even half the Republican electorate, the poll found. And in a sign of the fluidity of the race, former Arkansas Gov. Mike Huckabee, who barely registered in early polls several months ago, is locked in a tight contest nationally with Rudolph W. Giuliani of New York and Mitt Romney of Massachusetts.

By contrast, Democrats are happier with their field and more settled in their decisions. For all the problems Sen. Hillary Rodham Clinton of New York appears to be having holding off her rivals in Iowa and New Hampshire, she remains strong nationally, the poll found. Even after what her aides acknowledge have been two of the roughest months of her candidacy, she is viewed by Democrats as a far

more electable candidate in the general election than either Sen. Barack Obama of Illinois or John Edwards of North Carolina.

Not only do substantially more Democratic voters judge her to be ready for the presidency than believe Obama is prepared for the job, the poll found, but more Democrats see Clinton, rather than Obama, as someone who can unite the country.

The Republican and Democratic nominating contests, which begin with the Iowa caucuses on Jan. 3, are approaching at a time of anxiety and uncertainty. Americans, the poll found, think the economy is bad and getting worse. A vast majority think the country is heading in the wrong direction. More people cite the Iraq war as the most important issue facing the country than cite any other matter, and though 38 percent say the dispatch of extra troops to Iraq this year is working, a majority continue to say that undertaking the war was a mistake.

The candidates are running against a backdrop of decidedly negative view of Washington. At 21 percent, the approval rating for this Democratic-led Congress is at a new low, reflecting the defection of independent voters,

a potentially worrisome development for Democrats going into next year's congressional elections. President Bush's approval rating is at 28 percent, one point above the lowest of his tenure.

The poll confirmed that former President Bill Clinton was an effective campaign weapon for his wife. Forty-four percent of Democrats said Bill Clinton's involvement would make them more likely to support the senator. In fact, about as many of Sen. Clinton's backers say they are supporting her because of her husband as say they are supporting her because of her own experience.

The poll found just 1 percent said they might be swayed by the involvement of Oprah Winfrey, who has been campaigning for Obama in Iowa, South Carolina and New Hampshire the last three days, drawing huge crowds and allowing the Obama campaign to identify new supporters.

The nationwide telephone poll of 1,028 voters, taken Dec. 5-9, has a margin of sampling error of plus or minus 3 percentage points for all voters, 5 percentage points for Democratic voters and 6 percentage points for Republican voters.

CIA Had Its Lawyers' Approval To Destroy Interrogation Tapes

By Mark Mazzetti and Scott Shane

THE NEW YORK TIMES

WASHINGTON

Lawyers within the clandestine branch of the Central Intelligence Agency gave written approval in advance to the destruction in 2005 of hundreds of hours of videotapes documenting interrogations of two Qaida lieutenants, according to a former senior intelligence official with direct knowledge of the episode.

The involvement of agency lawyers in the decision-making would widen the scope of the inquiries into the matter that have now begun in Congress and within the Justice Department. Any written documents are certain to be a focus of government investigators as they try to reconstruct the events leading up to the tapes' destruction.

The former intelligence official acknowledged that there had been nearly two years of debate among government agencies about what to do with the tapes, and that lawyers within the White House and the Justice Department had in 2003 advised against a plan to destroy them. But the official said that CIA officials had continued to press the White House for a firm decision, and that the CIA was never given a direct order not to destroy the tapes.

"They never told us, 'Hell, no,'" he said. "If somebody had said, 'You cannot destroy them,' we would not have destroyed them."

The former official spoke on condition of anonymity because there is a continuing Justice Department inquiry into the matter. He said that he is sympathetic to Jose A. Rodriguez Jr., the former chief of the clandestine branch, who has

been described by intelligence officials as having authorized the destruction of the tapes. The former official said he was concerned that Rodriguez was being unfairly singled out for blame in the destruction of the tapes.

The former official said Rodriguez decided in November 2005 that he had sufficient authority to destroy the interrogation videos, based on the written authorization given to him from lawyers within the branch, then known as the Directorate of Operations.

The CIA has said the two interrogations shown in the videotapes occurred in 2002, and that the taping of interrogations stopped that year. On Monday, however, a lawyer representing a former prisoner who said he was held by the CIA said the prisoner saw cameras in interrogation rooms after 2002.

WEATHER

A Spectrum of Precipitation

By Angela Zalucha

STAFF METEOROLOGIST

This month Mother Nature has provided us with the full range of winter precipitation, including snow, rain, sleet, and freezing rain. And she's not done yet. Another weak round of wintry mixed precipitation is expected Tuesday night, followed by a more intense storm Thursday night. High temperatures for the rest of the work week will be in the mid-30s to mid-40s, with lows in the mid-20s to mid-30s.

The different precipitation types are caused by the vertical temperature structure of the lower atmosphere. In the presence of fronts and storm systems, the vertical temperature profile can be complex. Consider a situation where the conditions are suitable for snow to form at relatively high altitudes. If the temperature remains cold all the way to the ground, this snow penetrates to the ground. The term flurries denotes very light snow. If, as the snow is falling, it encounters a layer of warm air aloft, it may temporarily melt into rain. Depending on the thickness of the subsequent layer of cold air near the ground, the rain may have time to refreeze into ice pellets (i.e. sleet) if the cold air layer is thick, or else will freeze on contact with the ground (i.e. freezing rain) if the cold air layer is shallow. If the air is above freezing all the way to the surface, the result is simply rain.

On a final note, according to the National Oceanic and Atmospheric Administration, the probability of Boston having a White Christmas (defined as a snow depth of one inch or greater on Christmas morning) is roughly 25 percent.

Extended Forecast

Today: Mostly cloudy. High 43°F (6°C).

Tonight: Rain mixed with snow. Low 35°F (2°C).

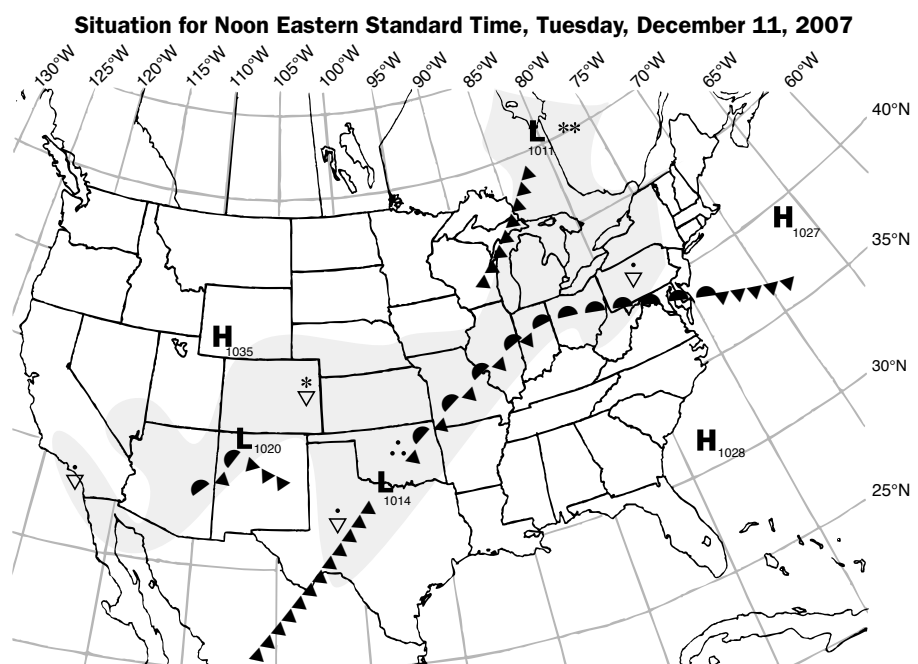
Tomorrow: Cloudy early, then clearing. High 45°F (7°C).

Tomorrow night: Clear. Low 22°F (-6°C).

Thursday: Mostly cloudy. High 35°F (2°C).

Thursday night: Rain, sleet, and snow. Low 29°F (-2°C).

Friday: Mostly cloudy. High 41°F (5°C).



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

Compiled by MIT Meteorology Staff and The Tech

Putin Endorses Loyal Protege To Succeed as Next President

By Clifford J. Levy
THE NEW YORK TIMES

MOSCOW

President Vladimir V. Putin on Monday endorsed as his successor Dmitri A. Medvedev, a protege with no background in the state security services and virtually no power base in the Kremlin.

Putin's selection of Medvedev, 42, makes him the overwhelming favorite to win the presidency in March and suggests that Putin is seeking to retain influence by turning his office over to someone he can readily steer from behind the scenes.

"I've been very close to him for more than 17 years," Putin said in a televised appearance with leaders of four political parties allied with the Kremlin, "and fully and completely

support this candidacy."

Little is known about how Medvedev, a former law professor, might govern — other than what can be inferred from a relationship with Putin, 55, that is sometimes compared here to father and son.

Medvedev, who is a first deputy prime minister and the chairman of Gazprom, the Russian gas monopoly, has never run for any office, and almost his entire career is linked to Putin. Unlike Putin and many top officials in the Kremlin, Medvedev appears to have no background in the former Russian secret police and intelligence agency the KGB; its successor, the FSB; or other state security agencies.

Since taking office in 2000, Putin has seeded the government with many former intelligence officers.

Medvedev's lack of ties to the security services indicate to some here that he is a relatively weak figure beholden to Putin.

"All Medvedev has is that he is a creature of Putin," said Nikolai V. Zlobin, a former professor at Moscow State University who is a fellow at the World Security Institute in Washington. "Everything that Medvedev has is owed to Putin. There is no Medvedev without Putin."

Putin, who is barred by the constitution from running for a third consecutive term, did not issue any remarks on Monday about his own future, though he has repeatedly said that he intends to play a major role after he steps down. He has said that he may become leader of his party, United Russia, or perhaps even prime minister.

Tensions Rise as American Tariffs Put Chinese Workers Out of a Job

By Steven R. Weisman
THE NEW YORK TIMES

WEIFANG, CHINA

When the aging state-owned Weifang East Steel Pipe factory here in China's northern coastal plains fell into insolvency a few years ago, unpaid workers at first responded by blocking the factory gates and marching angrily on a nearby municipal building.

Then, inspired by the spirit of capitalism consuming modern China, more than 50 employees borrowed from banks against their homes to buy the company, install new equipment and produce higher quality steel pipe, much of it for export. The newly privatized factory soon was proudly

humming again.

But today it is in a new crisis, and this time the workers' anger is aimed at the United States, which is set to impose punishing new tariffs on Chinese steel pipe imports early next year, at the behest of struggling American steelmakers.

Hundreds of plant workers have been idled, and more layoffs are in the offing. "We have followed market principles and been faithful to our American customers," said Wu Jingsheng, the Weifang plant's gruff general manager. "Our workers don't know why they are being treated this way."

In an atmosphere roiled by disputes like this one, Treasury Secretary

Henry M. Paulson Jr. and other Cabinet members are preparing for the next round of a "strategic economic dialogue" beginning in Beijing on Wednesday, aimed at easing tensions between the two sides. But in many cases the two nations seem to be talking past each other, aggravated by American actions like the threatened steel duties or China's reluctance to crack down on unsafe food and toys.

At a time of heightened American anxiety over the effects of globalization, the factory here particularly illuminates how esoteric trade disputes, where the facts are often ambiguous, usually boil down to little more than American jobs versus Chinese jobs.

European Automakers Likely to Build Plants in U.S.

By Nick Bunkley

THE NEW YORK TIMES

DETROIT

The dollar's falling value is making European automakers eager to build more vehicles in the United States, even as American car companies continue to shift production to lower-cost countries.

Fiat, the Italian carmaker, is the latest company to suggest that it may build a plant in the United States. Its chief executive, Sergio Marchionne, told Automotive News Europe for an article published Monday that its sports car brand, Alfa Romeo, needs a North American plant to be profitable. Alfa Romeo is returning to the United States next year after a 13-year absence.

Meanwhile, Volkswagen of Germany is scouting locations for a plant in the eastern United States. It was the first foreign carmaker to open an American factory, in New Stanton, Pa., but closed the factory in 1988. Volkswagen's chief executive, Stefan Jacoby, said during the Los Angeles Auto Show last month that the company would decide by mid-2008 whether to build the factory.

Fiat and Volkswagen are mass-market European brands, as opposed to BMW and Mercedes-Benz, which operate luxury car factories in the American South. Analysts said the arrival of Volkswagen and Fiat could lead others, like the French companies Renault and PSA Peugeot-Citroen, to move production to this country as well, if the euro remains strong.

Explosions in Baghdad Kill Nine, Damage a Refinery

By Cara Buckley

THE NEW YORK TIMES

BAGHDAD

A spate of bomb, rocket, and mortar attacks rocked areas of Baghdad on Monday, killing at least nine people and exploding part of a major oil refinery, sending up a thick column of smoke that dominated the city's skyline for much of the day.

Seven of the people killed were prison inmates, who died after mortar shells landed on a prison in central Baghdad, smashing its walls.

The attacks came amid an overall lull in violence here, where terrorist attacks have plummeted compared with previous months and years.

Yet despite the relative calm, the pace of attacks has quickened of late, with suicide and other bombers killing at least 50 people nationwide in the past week.

The Baghdad explosions started before dawn at 6 a.m. on Monday, when rockets landed in the heavily fortified Green Zone, where the American and Iraqi government buildings are housed behind miles of blast walls. There were no reported deaths, and officials would not comment on whether anyone was hurt.

An hour later, moments after sunrise, mortar shells landed on a large warehouse at the Dora oil refinery to the city's south, igniting hundreds of tanks of gas and kerosene.

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Institute Wisdom Watch

By *The Tech* Editorial Board



W1 (currently Ashdown House) will be fully renovated before it is opened to undergraduates in fall 2010.



"Full renovation" may mean "destroying kitchens." And nobody seems to know who's paying for this.



Next House residents may enter the Housing Readjustment Lottery in fall 2008. What about McCormick Hall residents?



DAPER will once again charge a \$40 Z-Center access fee next summer. Hey, at least it's not closed.



10-250 renovations to begin in January as part of MIT's "Project 2000." Now what about 26-100?



Muhammad Yunus selected as 2008 Commencement speaker. Message: MIT has a social conscience, not just an excess of ex-presidents.

Letters To The Editor

Congress Did Not Take 14.01

Fixing childhood obesity by banning junk food from schools? Are you kidding? I'll use good ol' 14.01 (Principles of Microeconomics) to explain why I've got a problem with this.

This strategy of banning junk food vendors inside schools probably won't even reduce the amount of junk food the average kid consumes. Let's take a look at supply and demand for junk food. The junk food market has a set equilibrium (the price at which supply equals demand). If we want to change the amount of junk food that's consumed by kids today, we need to decrease supply or decrease demand.

Because the junk food industry is so highly profitable, we're probably not going to decrease supply any time soon. One might argue that because kids are trapped inside their schools, the supply of junk food is very high, and the supply of healthy food is not, and

that's what needs to change. I can follow that, but think about it. Kids demand junk food, and lots of it. They are going to get their junk food somewhere, even if we do ban it from schools. They're going to bring it from home, or buy it at 7-Eleven. Taking junk food machines and McDonald's burgers out of schools does not change supply at all. Junk food is *everywhere*.

Therefore we have to decrease demand. This means changing our personal consumption and that of those around us, not changing the industry itself. So long as kids want junk food, it will be supplied. We have to make kids not *want* to eat so much junk food.

So how do we decrease demand? Think back to how the government decreased the percentage of smokers once we all realized how harmful cigarettes are. The government advertised all of the adverse health effects, kids had classes and presentations about what would happen if they smoked (I know I did), parents were encouraged to talk to their kids

about not smoking ... it was *amazingly* awkward, but it actually worked. The overall percentage of smokers went down, and I've seen a lot of kids who say "No thanks, that stuff could seriously screw me up" when offered a cigarette or other drugs. How many kids do you know of that say, "Oh, I don't want to smoke that cigarette because it's banned, and my teacher might catch me, and then I couldn't go to Harvard because I'll get suspended ..." Well, you get my point.

That strategy of "take it away and it will go away" is just not going to work. Kids will find a way to get what they want. So all we can do is find a way to make them want to be healthy. Making junk food a "banned substance" is just going to make kids want it more. But most kids don't want to be fat, teased, impaired, or unattractive, just like most kids don't want to get lung cancer. We ought to be appealing to that side of them, rather than playing Big Brother and hoping they don't rebel.

Jennifer E. Nelson '09



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CAMPUS LIFE

Squid vs. Whale

'Twas the Night Before Finals

By Charles Lin
STAFF COLUMNIST

'Twas the night before Finals, when all through the dorms,
All the students were cramming for tests in the morn.

Cans of Red Bull were chugged, by the trash they piled,
In hopes that passing out wouldn't come for a while.

The premeds were languishing at the edge of their beds,
While structures of carbons danced in their heads.

And the Mech-Es in the common, oh those poor saps,
Had said, "Screw optimization," and taken a nap.

When out in the Infinite there arose such a clatter,
Even post docs looked out to investigate the matter.

Away to the hallway I flew like a flash,
Hopped up on caffeine, I was ready to crash.

The gloom on the faces and the heads hung low,
IHTEP their expressions did show!

When, what did I see that made me stop and stand,
But a beat up van scrawled with Feynman diagrams.

With an eccentric driver, so lively and quick,
I knew in a moment it must be Prof. Dick.

More rapid than fan boys, the students they came,
And he whistled, and shouted, and called them by name.

Now, Tools! Now Sloanies! Now course Eighters and Sevens!
On Premeds! On Froshes! On Seniors and Sixes!

To the top of the dome! Be sure not to fall!
Forget about finals, forget about them all!

Have a good time, party into the night,
It's not all studying, there's a lot more to life!

So up to the dome-top the students they flew,
With a minivan full of bongos, and Prof. Feynman too.

And then, in a twinkling, I heard on the roof,
Bongos and dancing, oh Feynman you goof!

As I drew in my hand and was turning around,
Down the Infinite Prof. Feynman came with a bound.

He was dressed very sharply, oh without question,
And his collar was smudged with a lipstick impression.

A bundle of QED books he had on his back,
He was up to something, it was matter of fact.

His eyes — how they schemed, his expression, spectacular!
There was something afoot, something quite irregular!

He made for the door, but I said, Professor please wait,
I've put off studying and now it's too late!

I just need an extra day. I promise I'll study,

Well except for some Snood and a brew at the Muddy.

A wink of his eye and a twist of his head,
Soon gave me to know I had nothing to dread.

He said, don't you worry I've done my work,
I said, what do you mean? He turned with a jerk.

And pointing his finger up to the ceiling,
Towards the throngs of students still dancing and screaming.

He said, when the chancellor finds them, all up in a tussle,
He'll shake his fist and flex his muscles!

What were you thinking? He'll rightly demand,
MIT is for studying, having fun be damned.

When the students answer they've been dancing with Feynman,
He'll think they've gone mad, that finals have fried them!

This school's paranoid, they don't want a scene,
Like seeing dead physicists, if you know what I mean.

Feynman sprang to his van, and said don't you worry,
And flew into the night with quite a hurry.

But I heard him exclaim, ere he drove out of sight,
I can't get rid of finals, try as I might.

But an extra suicide prevention day will make things right!
Happy Tooling to all, and to all a good night!

Brouhaha Rhythm

Six-Sided Crystal

By Michael T. Lin
STAFF COLUMNIST

Boy, when people sing about a winter wonderland around here, they ain't kidding. I'd wager that with the first major snowfall of the year comes an increasingly enthusiastic populace with ideas aplenty as to what to do with it. The fact that many here are from toastier climes and may be unfamiliar with some key properties of snow (such as its effectiveness in projectiles) only adds to the potential for hijinks.

After the first big storm, the usual snowy snarkiness abounds. Some people make snow angels, starting with their feet together to minimize that ridge in the middle that ruins the illusion. The more misguided among nerdfolk might try to make snow angles, only to give up when they realize that their protractors aren't big enough for the job. And as is expected, those who prefer more college-y fare (as far as patterns in the snow are concerned) will have their fun. Yet, given that we're at MIT, the phrase "go big or go home" just doesn't seem

quite enough to make sure that the wintry powder from the heavens doesn't go unused.

Perhaps I just have weird, melodramatic thoughts regarding what to do with snow. For example, the other day, I wondered how large a pile of snow I'd need beneath me in order to safely fall off the seventh floor terrace. I probably shouldn't have been surprised when my friends told me that six-and-a-half stories of snow would do the trick. I'm fairly

sure I won't be asking a similar question next October when the leaves hit the dirt. I'll just get more snarky answers, and if I'm especially annoying in my asking, a leaf wedge.

In all seriousness, a deep snowfall's magnificence as cushioning is far too rare to go underappreciated. With enough shoveling and dedication, MIT can be the only institution in the country with a mock Sarlacc pit decorated with non-holi-

day-specific lighting. Aspiring stunt people can practice their trade without having to clear little kids off the Moonbounce or constructing elaborate landing pads out of apple boxes.

If the snow happens to be especially deep, snowball fights can be accentuated with snow

Perhaps I just have weird, melodramatic thoughts regarding what to do with snow.

trenches, undeniably superior to the snow fort, especially if the snow happens to be firm enough for tunneling. Then again, if it's too firm, trying to use a snowdrift to save me from a fall might result in something besides the snow being liquefied upon impact. As the locals and chemists among you are well aware, fresh powder and fresh ice are two very different substances.

Perhaps the more ambitious among you have other suggestions for large-scale seasonal mischief. Siege engines fortifying the high-ground, armed and loaded with boulders of snow are an

obvious (but still intriguing) option. Or what about a Snowhenge that also operates as an effective sundial? We can watch it melt and pretend we're watching a time-lapse video of the past 4,000 years. (Salisbury Plains, eat your heart out.) Briggs Field, though formerly lacking in a certain nerdy flair, will soon enough return to being a blank slate, ripe for the designs and machinations of artists with enough time and creativity to bend it to their will in a way that is both memorable and profound. Personally, I vote for two large fort-like structures, one on either end. One will have a red flag in it. The other will have a blue flag. You can guess what happens next.

I don't know, maybe I'm just being a freshman and clinging too long to the innocent fun of nostalgic younger days. I can only guess as to what level of childishness is acceptable in college. Is the line drawn at licking telephone poles, or pretending to be a snow-gopher? I suppose I'll have to worry about that some other time. I'm off to brainstorm the snow furniture for Blue Base. Siege engines are likely.

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mit.edu/urop/amgenscholars

Through My Eyes

No Regrets

By Christina Kang
STAFF COLUMNIST

If you died tomorrow, would you have regrets? Would you be satisfied with your life? Would you be more than content?

It seems that very few have found the balance between striving for the future and living fully in the present. Is it even possible? Stepping outside of MIT, outside of fast-paced America, I met so many that were living day by day. Some were forced to live day by day, struggling to get by. Others had a little more luxury to look ahead, but they chose to focus more on the present. Their culture seemed so much more focused on enjoying the day, taking one-hour breaks for tea, or another one- or two-hour break to just sit and enjoy the sun and each other's company.

This frustrated so many of our students who wanted to work quickly and efficiently, focusing on the end goal and working to reach it. How many times at MIT do we just sit with a friend for several hours in the sun having a nice talk, or maybe just sitting in silence, enjoying being around them and the world around us?

Premeds, a good extreme example, are often criticized for being too anal, for being too focused on grades and resumes. Often (though some are blessed with natural talent) this focus is necessary to obtain the best marks and to achieve the highest success in the medical school process.

However, is it worth it? When you want to be a doctor more than anything, you think it is. But then, when you try to balance out a life geared toward the future with your life in the present, your marks may begin to falter. When trying to find this balance, the general advice seems to be to work hard but to remember to relax and enjoy what's around you. This requires such a delicate balance. I've been on both extremes, working too hard and forgetting the world around me and not working hard enough but loving life in the present. Is such a balance possible? Do they add up equally?

If you died tomorrow, how would you feel? What would you regret not having done? What would you regret not having said? When you live for tomorrow, what happens to today? But when you live for today, what happens to tomorrow?

Success can be measured in millions of different ways and it varies from person to person. But can you ever have it all? Can you be successful on every level? Can you have everything to your heart's content?

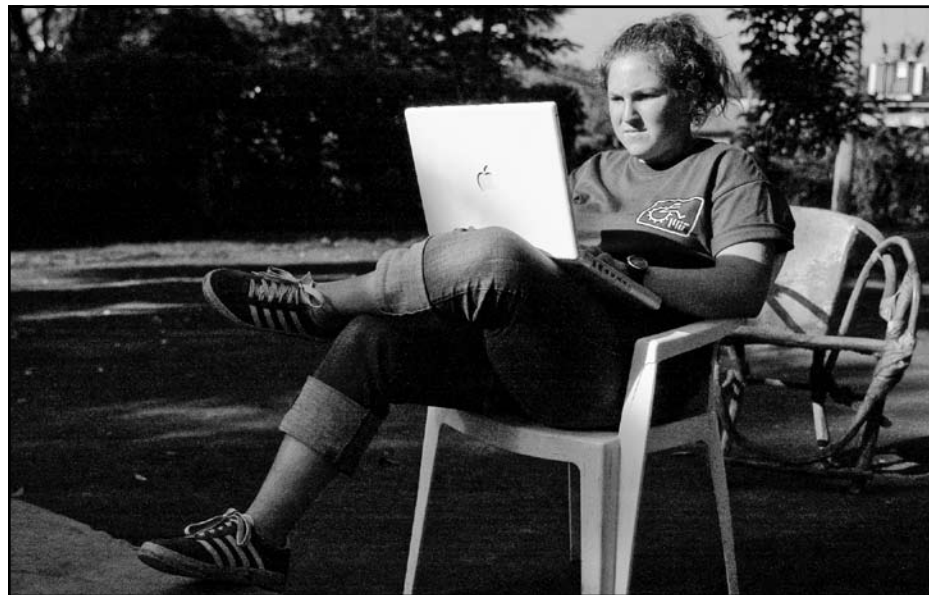
Many would argue no; life must have its downsides for you to more deeply appreciate the upsides. However, some would argue yes; with the right attitude and the right combination of motivation and relaxation, you can have it all. But then how much does luck have to do with it? Timing? Skill? Can everyone have it all if they find that magic balance? Or are there

just a lucky few born to have it all?

Perhaps the trick isn't to have it all, but to be happy with what you have. To live life with no regrets is not necessarily to have no regrets but to choose not to focus on them. It's pushing the regrets out of your mind and enveloping your thoughts around what you do have, what makes you happy, and the people that are around you.

As the holiday season approaches, we think more of our loved ones and look forward to the times we will spend with them. We think of others that are economically less fortunate and try to share the happiness. But then when the holiday season ends, what happens to the warmth and the caring? The time we so cherish with each other turns again to work and the focus turns back to the self.

Perhaps for some, this is the way to live with no regrets. But isn't being able to positively affect other people's lives the best foot print you can make in the world you leave behind? What do you have to do, what do you have to change, what do you have to say to make sure that whether or not you die tomorrow, there will be no regrets?



CHRISTINA KANG—THE TECH

Tish Scolnik '10 takes her work outside at Mobility Care in Arusha, Tanzania to catch some rays with her local co-workers.



CHRISTINA KANG—THE TECH

Mario A. Bollini '09 takes a break to sit and chat with some of the community members that are testing his new module for a hand-powered tricycle in Nairobi, Kenya.

Practicing Poverty

By YeSeul Kim

I've always been interested in international development. Traveling to exotic places while saving millions of lives — what a double whammy! I call that the perfect job. My friend calls that a hero complex. Nonetheless, I signed up to take the D-Lab: Introduction to Development course (11.025J / SP.723) because it offered a once-in-a-lifetime opportunity to travel and make a difference. Little did I know that a small assignment called "Practicing Poverty" would change my perspective on international development.

At MIT, we are constantly in a physical and mental battle, stretching our stamina to the limit. But does the pain of problem sets and back-to-back tests compare to the hunger, disease, and death that those in developing nations face every day? More than half the world's population lives on less than \$2 a day.

Before this statistic became her mundane cliché, D-Lab Instructor Amy B. Smith asked her students in D-Lab, "Could you live on \$2 a day?" Unfortunately, Professor Smith did more than ask, she mandated us to "Practice Poverty" by surviving a week at MIT living on \$2 a day. We were given certain "freebies," such as electricity, medicine, and water, but all our food, transportation, and entertainment expenses had to be taken care of by our \$2-a-day budget.

I first thought this assignment was a joke. I could just buy an Odwalla Mango Tango every day. Then it sadly dawned on me that a Mango Tango was \$3.05, excluding tax. This assignment just seemed cruel, inconvenient, and impossible. What was the point of this exercise besides the seemingly needless deprivation of food and energy that we need to stay productive at MIT?

The objective of our "Practicing Poverty"

assignment was to raise awareness about the prevalence of poverty. It reflects the purpose of D-Lab, which encourages students to learn about issues that plague developing countries through experiential learning. "I can lecture about poverty or the students can experience what it is like for themselves," Professor Smith said.

Cranky and hungry, most of my classmates and I completed our mission but not without trials and tribulations. The project pervaded every aspect of our lives. Valery K. Brobbey '08 (also a *Tech* news editor), had to sacrifice a lot of precious MIT time to live on \$2 a day. "I spent \$13.72 in advance on cheap groceries and I had to go back to my dorm whenever I needed food," he said.

Some were affected in other ways. "This assignment definitely affected my social life," said Harvard University senior Jackie Stenson. "It was very awkward watching my friends eat, so I didn't go down to dining and spent my time cooking my meals."

I too had my share of trials in completing this project.

On Day 1 of the assignment, Oct. 23, I woke up feeling pretty darn hungry. I usually eat a big breakfast, something to the likes of eggs, bacon, or sausage and either pancakes, toast, or waffles.

But on an empty stomach that first day, I groggily walked to class. When I walked in, I saw stacks of donuts. For the first time, my professor was treating us to free food. I was pretty upset and so was my stomach. However, I resisted the temptation. After class, I helped

myself to a peanut butter and jelly sandwich (40 cents) but only ate half. I knew I would be hungry after my next batch of classes. Surely enough, at 2 p.m., I could not hold out any longer and devoured the other half in less than three seconds.

I walked to Shaw's later in the afternoon and bought some basic staples — including potatoes, carrots, and onions — from which I could cook a variety of dishes. I spent a total of \$10.48, which made me extremely nervous. There was no turning back now. These groceries would be my meals for the next seven days.

Walking back was a real pain because the groceries were so heavy. I wondered if this is how people in developing nations feel everyday and if perhaps I was whining way too much. I stopped thinking and walked back to Next House as fast as I could. For dinner, I made myself a curry dish that ended up costing a surprisingly low \$3.18. I ate only a quarter of what I made and saved the remainder for the rest of the week.

Day 2 wasn't that bad. I had another peanut butter and jelly sandwich — a recurring theme throughout this process. Dinner wasn't so bad either — another day of rice and left over curry. To me, this was a big deal, since I am a picky eater and hate repeating dishes.

Day 3 was perhaps the most trying. I only had four hours of sleep because I was up late writing an essay. Tardy for class, I decided to bike. Let me tell you, if you have not eaten anything in 18 hours, don't try biking. I felt woozy and started seeing black spots here and there.

I think I pedaled as fast as the pedestrians of Dorm Row, who gave me curious glances as I zigzagged towards campus. Finally, after class I indulged in an egg salad sandwich, which replenished my spirits and my sanity, somewhat. Later that night, I made spaghetti (which cost \$1.50 total) with lots of leftovers.

Day 4 was very similar to day 2. Another peanut butter and jelly sandwich, another night of left over curry. My life has degraded to mundane repetition.

Days 5 and 6 proved to be the most challenging. Our sorority held Initiation for our new members and there was so much free food that I could not touch. Also, I had to cancel a Department of Urban Studies and Planning dinner outing. Sacrificing free food was definitely a mental and emotional challenge. I left angry, sad, and in the end, just plain old hungry. My friends have also been noticing my lethargic behavior toward everything. I was losing energy and hope.

I ended Day 7 uneventfully, and with 50 cents leftover! We cheated a little in this exercise, with the "free energy" we were allowed to consume and having a supermarket less than a mile away. So while I may have complained and moaned about being hungry all the time, do I have the right to do so when people die every minute of starvation? The past week was a roller coaster of emotions, but I walked away with a little taste of what half the world's population has to live with every day.

It's the holiday season. A time for giving, a time for sharing. Perhaps this is also a good time for appreciation. I strongly encourage you to attempt this "exercise" to realize all the "freebies" we have and take for granted. So maybe it is time we pay our respects to the hungry, the dying, and become inspired to make a difference.

The objective of our "Practicing Poverty" assignment was to raise awareness about the prevalence of poverty.

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Drop by our office
in W20-557!

By Ben Kaduk
and Geoffrey Thomas

THE STUDENT INFORMATION PROCESSING BOARD

This week, we will explore several ways in which to access MIT e-mail accounts and the advantages that various e-mail clients offer when compared to Webmail.

Why should I use something other than Webmail?

- Webmail was designed to be an occasional-use client, not an everyday client
- Other clients are greatly customizable
- Webmail is slow
- Webmail is often inaccessible when the rest of the mail system is still working
- Webmail will occasionally lose its preferences database, so that (for example) sent messages are not saved
- Other clients have features that can save you time and effort

Non-Webmail clients offer the ability to group messages by thread of replies, advanced searching features, offline access to old e-mails, and more!

Furthermore, if you recognize that keyboard control is faster than mouse control, you also have the ability to define keyboard shortcuts to work in your mail client very quickly.

What's a mail client?

In a nutshell, a mail client is a program that allows you to read your mail, whether it's stored on your computer or a remote server. More precisely, a mail client acts as an intermediary between your computer and the mail server where your mail is stored. It has to deal with authenticating you to the "Post Office" server, and the specific details of the mail transfer protocol in use (usually IMAP, for MIT accounts). It also transfers the mail that you write from your computer to an outgoing mail server, which then takes care of delivering it to joeuser@example.com over the Internet.

Okay, you've convinced me. What other client should I use?

Your favorite client may depend on what operating system you are using. Mozilla's Thunderbird client is available in precompiled versions for all common operating systems from <http://www.mozilla.com/thunderbird>. It's free software, so you can grab the source and build it yourself, too!

Mac OS X ships with a mail reader called just "Mail." On Windows, common choices are Outlook Express on Windows XP and earlier, and a new program also named "Mail" on Vis-

ta, both of which are included with the OS. Microsoft Outlook is also a common choice for those with Office installed.

On Athena itself, you can use Evolution by clicking the "Mail" button on the panel at the bottom. Other common choices are the text-based clients `pine` and `mutt`, which are faster and a bit more powerful, at the expense of a slightly steeper learning curve than a GUI client. `pine` is in the default Athena configuration, and `mutt` is in the SIPB locker (`add sipb`). You can also run Thunderbird out of the `thunderbird` locker. These programs should be available on most other linux systems, too.

In addition, a very popular choice is to forward your e-mail to another Web-based mail service. In particular, Gmail's Web client is designed for regular use. You can do this by signing up for a Gmail account and typing the Athena command:

```
athena% chpobox -s me@gmail.com
```

Within 4-6 hours, your e-mail should start going to Gmail instead of your MIT inbox. If you want a copy in both places, use a capital `-S` instead. To stop redirecting mail, type `chpobox -P`.

I've got my client installed. How do I get it to talk to MIT's mail?

The main things you need to know are the name of your servers for outgoing (`outgoing.mit.edu`) and incoming mail (`username.mail.mit.edu`). For most clients, these are the only settings you need. You should select IMAP rather than POP3 for accessing your mail: IMAP leaves a copy of your mail on the server, so you can access it from more than one computer and still have all your messages available. In addition, if you have the option to use authentication and encryption (SSL) for these connections, select them. Authenticated outgoing mail, although technically not required, will greatly reduce the chances of your e-mail being erroneously spamscreened by other sites.

IS&T has several detailed tutorials at <http://web.mit.edu/ist/topics/email/imap.html> that walk through setting up many common e-mail clients for use with MIT e-mail accounts. If you already have e-mail set up, you can take a look at <http://web.mit.edu/ist/topics/email/smtppath/> to ensure that you're using authenticated outgoing e-mail.

SIPB wishes you a merry Christmas!

Hark how the bells, loud console bells
All seem to say, "Files went away"

Crashes are here, bringing great fear
To young and old, data loss untold

"Ding, dong, ding, dong" "Parity wrong"
"Does not compute" "Will now reboot"

One seems to hear warnings each year
"Backups are needed"; they go unheeded

Vainly we `chkdsk` knowing the great risk
Then users hear, "Your files disappeared"

God rest ye merry Redmond men,
Let nothing you dismay,
Remember Windows updates will
Come out on Patch Tuesday,
To save us all from hackers' powers
When programs go astray,
O tidings of comfort and joy, comfort and joy,
O tidings of comfort and joy.

From Gates our heavenly CEO
A blessed Vista came,
And unto certain beta testers
Brought tidings of the same
It feels a bit like OS X
But is a lot more lame
O tidings of even more upgrades (just get a Mac!)
O tidings of even more upgrades.

Bring your laptop, Jeanette, Isabelle,
Bring your laptop, come hurry and run
There's wireless here! Tell the folk of the village
Now they can punt where'er they are
Ah, ah, beautiful is the router
Ah, ah, beautiful are the files

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/>.

How to Pick Up ... at MIT

By David Shirokoff

Everyone has, had, or will have this problem. Some have solved it. Others have given up. Colloquially, we refer to the problem as "picking up." Here, one can't help but draw a natural comparison to "picking up" hardware at a computer store. If only things were as simple as ordering to specification or as exciting as a buy-one-get-one-free sale. But perhaps the real dilemma lies in the vagueness of our colloquial talk. In light of the fact that MIT students are such unbelievable pset solvers, we might as well reformulate our problem in a more familiar language:

The problem: Given location $L \in \{MIT\}$, individual I , and no prior contact, how does one introduce, woo, and win (in true MIT fashion) I 's AIM contact?

Now this is a puzzle worth solving — and solve it we shall ... at least in theory (unless you like experiments). From personal experience, I can shed some light on logical, but unfortunately incorrect, solutions:

"Hi, I know you! I've read your Facebook profile ..."

"How about you be $\sin^2\theta$ and I be $\cos^2\theta$ so together we're 1."

"I'm _____. How do you like me so far?"

"Did you come here alone? You must be pretty desperate."

And my personal favorite: "Did we used to go to elementary school together?"

I'd toss the blunt John Nash approach of "Will you sleep with me?" into the incorrect pile, however Richard Feynman successfully solved the problem using such a line.

In response to my inability to solve the problem, my brother asks me, "Approximately how much time do you actively spend trying to meet girls?" A quick back of the envelope calculation reveals this number to be less than 0.1 percent. "Ah, there's your problem," he says. To help rectify my difficulties, he buys me the book *How to Talk to Anyone* by Leil Lowndes. Great. Now instead of "sincere guy," I'm on due course to "devious creep." Then again, I guess there's no harm in seeing what Leil has to say about talking to anyone, even MIT folk right? I flip past "Avoid Sounding Like a Jerk," "Sound Smarter Than You Are," and "Come Off as 100% Credible" to "How to Use Your Eyes to Make Someone Fall

in Love With You." Alrighty then. I have eyes. How hard can it be?

"Clever Romeos use epoxy eyes to make women fall in love with them ... Use epoxy eyes to push their erotic buttons ..."

What are epoxy eyes anyway? Am I supposed to stare? Flipping a few more pages I find "How to Make People Want to Start a Conversation With You." This section looks more promising. "Singles proficient at meeting potential sweethearts ... [basically wear something catchy or funny so that others have an excuse to start a conversation]." What could I wear that other students might find interesting? I quickly realize most MIT students think an integral is sexy. Mental note to self: must integrate more math paraphernalia into daily wardrobe.

Now with the bait on our hooks, we still need to find our fishing hole, that is, where to meet other individuals. Off campus locations (ie. $\{MIT\}^c$) essentially consist of pubs,

clubs, or parties. Here the real perks of MIT can take over. Dropping the "I go to MIT" bomb at such local establishments might as well be equivalent to fishing with dynamite. The fish don't have a chance — they hear the words and come belly up. Unfortunately, trying to pick up with "I go to MIT" on MIT soil doesn't have the same charm.

If it is so easy to pick up off campus, why stay localized to MIT? The recent blockbuster hit "Superbad" presents some excellent wisdom. Ideally, one does not want to meet their significant other at a bar, but rather somewhere nice, like a pumpkin patch. I've searched high and low and MIT is one pumpkin patch short of a pie. Potentially nice replacements include the chapel, the library, and the Athena cluster. I'd rather leave the chapel as the sacred place I go to pray to God ("Don't smoke me on this next midterm"). Checking out the library, I realize students here actually intend to work. At my under-

graduate institute, the library was literally a cesspool. One would often find the study rooms filled with nicely dressed individuals, sipping lattes, type-talking over AIM.

So I've racked my engineering brain and, sparing the technical details, I'll tell you my solution to the problem — but seriously, don't copy it or you might end up kicked off campus picking up the pieces of the "I used to go to MIT" bomb.

Solution:

Hang out in the Athena clusters wearing a Fourier transform shirt, making use of your cool new mechanical pencil and instant messenger. If your target individual doesn't take note, resort to emergency measures: create an excuse and ask for technical help, say with the printer. Just remember though, if you do succeed in scoring their AIM account ID, try to hold back on the natural tendency to yell ...

QED!

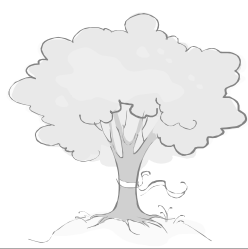
zero waste showcase

featuring sustainability projects from the MIT Generator
with refreshments, live music, raffle prizes, and **no trash**
bring your own cup!

Thursday, Dec 13, 2007

Stata Center, TSMC Lobby (next to Gates elevators)

12-2pm



open to all members of the MIT community
<http://sustainability.mit.edu/ZeroWaste>

Students for Global Sustainability, Technology and Policy Student Society,
Share a Vital Earth, UA Committee on Sustainability & the MIT Generator Coalition

ARTS

INTERVIEW

MF Grimm Takes to the Ink*New Book, New Concepts, and New Creativity for Prolific Artist*By Sarah Dupuis
ARTS EDITOR

You may know him as MF Grimm, the limit-pushing MC who raps about gingerbread men and movie monsters, recorded a critically acclaimed album in 24 hours, released the first-ever triple-disc hip hop album, *American Hunger*, and feuds with former ally MF Doom. You may also know him as Percy Carey, a former Sesame Street star who later turned to drug dealing and was shot 10 times over the course of two murder attempts, overcame serious sensory damage but remains confined to a wheelchair, studied law to get himself out of a life imprisonment, and now works as the successful CEO behind his own company, Day By Day Entertainment.

Most recently, he used his life's incredible twists and turns to pen a DC Comics graphic novel called *Sentences: The Life of MF Grimm*. The Grimm Reaper himself phoned in with *The Tech* to talk about his music, his writing, his plans for the future, and what he really wants to be known for: his creativity.

The Tech: You've done a lot of really fantastic and imaginative concept albums, such as *Monster Island Czars* and *The Hunt for the Gingerbread Man*. What childhood influences inspire you to create?

Percy Carey: I guess I have to say "Sesame Street" first and foremost. Aside from that, The Hulk, Batman, Superman, Spiderman, "Tom & Jerry," "Gilligan's Island" ... the usual suspects.

For some reason, believe it or not, I always wanted to be a television programmer after "Sesame Street." So Channel 7 (New York's ABC) inspired me a lot. Watching the news, wondering how they clipped the stories together. I was obviously into television, but I was more interested in how they put the shows together than the shows themselves, like what made them put it on at a certain time, why they picked certain commercials to put between, I was always amazed by that. Outside of that, mostly reading.

TT: Especially in *Gingerbread Man*, you create exceptional fictional settings that allow for a discussion of real subjects. How do you balance fantasy with reality?

PC: It's just about imagination. I've always had a vivid imagination. When I did that album, I was in the realm of DC Comics, around all those great writers, people who show you structure and how to capitalize off your ingenuity. I created that album when I first got with DC Comics in 2005. I wasn't really able to put, as far as I'm concerned, my full potential into it. I've got some music I'm working on now, and I really want to reach my goals from last time with this.

TT: Do you have plans for that new material?

PC: I'm always working on stuff, I can't stop. I'm not ever gonna stop working on stuff, that's just how it is. I have a problem: I'm always working on at least two albums; I never just work on one at a time. I made *The Hunt for the Gingerbread Man* and *American Hunger* at the same time. So I'm working on two albums right now, and I have a side project that involves a children's album.

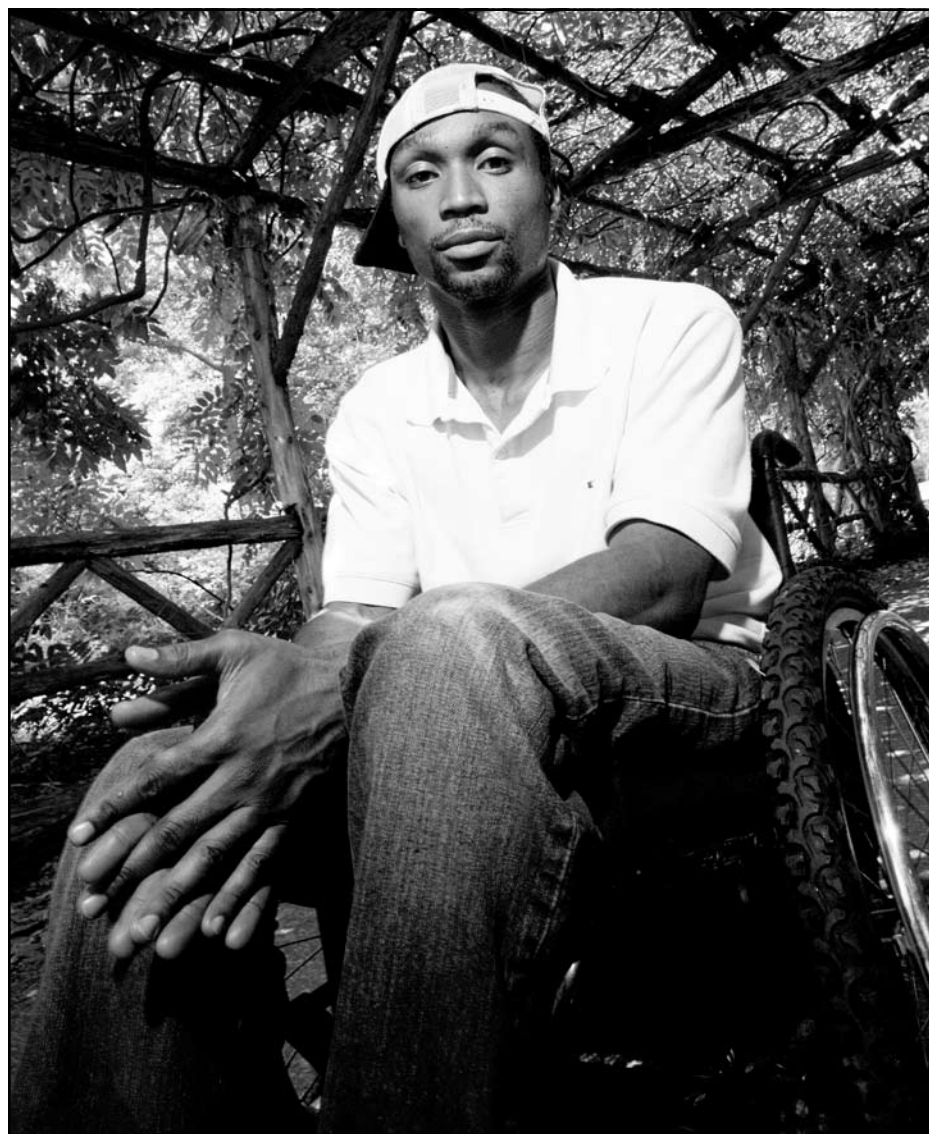
I'm taking my time. People are like, "Oh, it shoulda been out already," but you know, I don't believe in that shit. Hip-hop didn't start that way. Now, you create your material and you put it out there to try to make as much money as you can. I'm trying to get away from that and it's hard. But I'm taking my time. I'm just finishing up one of the three albums I'm talking about, and it should be out by the first or second quarter of next year.

TT: How did your lyrical background contribute to writing *Sentences*, and how did the experience of writing a graphic novel compare to writing an album?

PC: The biggest difference to me is that for an album, you're working on music you really, really love, writing lyrics to it, and if you have to tell about yourself, so be it, but you're doing it in a real lyrical way, using different rhymes and putting different styles in it. Sitting down and writing a graphic novel seemed like it was the most boring thing in the world. I was like, "Oh God, I gotta sit here and write about myself?" I really wanna work on a story for Superman, use my imagination. But I had to bring a lot of things from my past and start writing it out.

As far as musical writing, the structure is just totally different, and I guess that's what makes my book different. My wording and my bad grammar is what makes me, and it came out in my book. Right now I have a chance to work on both of those mediums. I can make an album that's a comic book and a comic book that's musical or music-related. I learned how to apply both of those and I think that the music I come out with will have more, entertainment-wise, than me just rhyming.

On *The Hunt for the Gingerbread Man*, certain people were upset about that album, they were like, "Oh, man, he ain't kicked his old street stuff." You know, I'm an old man now, I have family that relies on me, children that rely on me, and my mentality is just elevated. I think there's more than just streets and guns and selling drugs. Not everybody likes *The Hunt for the Gingerbread Man* and they wanna see me get back to my old stuff. But you know, you're living in the past, man, I don't wanna do that no more. I want to show my creativity. *The Hunt for the Gingerbread Man*, that's got a whole animation, that's what I'm working on right now. And I just want the opportunity to go. I want my supporters to allow me to move



MICHELE CROWE—DAY BY DAY ENTERTAINMENT

The latest endeavor of Percy Carey, also known as MF Grimm, is the graphic novel *Sentences: The Life of MF Grimm*, based on his own life's incredible twists and turns.

out of a box where I'm just supposed to be tough and talking about violent situations.

TT: What will the new albums explore thematically? Will they handle the same sort of violence as *The Hunt for the Gingerbread Man*?

PC: They'll be imaginative. As violent as that album was, or however much it talked about drugs, it's also about sugar, it's about cake, and it is what it is. But what I wanna talk about is that today you can walk to work and find somebody put a noose on your door. That's real topics that I can pick up and a lot of people probably don't wanna hear, but it affects me because I'm a black man in America, so I'm there for that.

And like I said, I would like to show my cre-

ativity. Creating characters, whether they're violent characters or not... I'd rather do that than write about my personal life. Everybody wants to know about my personal life and sometimes that's not for everybody to hear. The things that I would prefer to do are create. But people say, "Oh, no, we don't wanna hear that. We wanna hear about you in this situation, or what you gonna do next." Sometimes it's not about that. Now I'm happy with what I'm doing. And I think that's important. I'm a black man writing comics. And I'm a hip hop artist writing comics. That's historical.

For more information about upcoming MF Grimm releases, check <http://www.daybydayent.com>.

CD REVIEW

Radiohead Brings the Chanukah Cheer*Second 'In Rainbows' Disc Is Truly a Bonus*By Andrew Lee
STAFF WRITERRadiohead
In Rainbows (Bonus Disc)
Produced by Nigel Godrich
Self Released

If our own Arts Editor Sarah Dupuis hadn't claimed reviewing rights to Radiohead's *In Rainbows* before I could, an entirely different story would've been told. In short, I would've torn Radiohead a new basement door for not living up to its own standards, or what I'd perceived them to be. I owe Dupuis a debt of gratitude for preventing me from making such a mistake. *In Rainbows* is, I'll admit now, quite satisfying, and it was my selfish here-I-am-now-entertain-me attitude that kept me from understanding that. The album has an oceanic serenity that could be confused for dullness until you let the majesty of "House of Cards" or "Nude" permeate you. So much of it cannot be scrutinized and enjoyed at the same time before you've initially taken a more relaxed perspective.

Radiohead brought as much finality as one could possibly bring to an album-closer with the funeral march of "Videotape," so what does the new bonus disc to *In Rainbows* bring to the equation, if anything? Bands have released extra tracks before (B-sides, demos, live versions) to pad up deluxe editions of their albums, but Radiohead's gone to some length to make this disc more of a "disc two" than a "bonus disc."

For one thing, it begins with an instrumental segue from "Videotape," as if the listener is about to enter a realm after death through a curtain of liquid piano echo. That track, "Mk 1," is one of two brief instrumental pieces included, but neither has an under-produced, throwaway quality to them.

The interludes ably complement the six remaining songs, but they're ultimately disposable. This makes the *In Rainbows* bonus disc into the album that everyone accused "Amnesiac" of being: a cobbling-together of leftover material from a previous recording session as opposed to a separate entity. The quality of these leftovers, however, just serves to show how fantastic the main meal was.

I was sold after hearing "Down Is the New Up." It has enough studio effects and overdubs to perk up the ears of studious, detail-oriented fans and it still delivers a truly gripping Radiohead moment when the violas make their crushing entrance while the drums thunder back in reply. Thom Yorke sounds like he's on an ego trip, taunting some poor soul whose life has taken a wrong turn: "You're future's bleak / You're so last week." Either Thom's gone evil on us or it's a successful bit of character acting.

Or maybe he's just airing out one of the darker facets of his personality, because later on in "Last Flowers" he turns right back around and inhabits the broken man he was jawing at in "Down Is the New Up." "Last Flowers" has the most raw arrangement out of any song in either disc of *In Rainbows*, and it features one of the most pained melodies of Radiohead's entire catalog. Thom sounds wounded by life and the unthinkable prospect of it going on when he says, "I can't face the evening straight / and you can't offer me escape." The chord progression nearly offers resolution in the song's chorus, only to snatch it away. "Last Flowers" lingers in your mind well after the final piano notes fade out.

"Go Slowly" further alludes to suicide but to a much weaker effect. Its plodding 4/4 tempo and general predictability make it a surprisingly generic song by Radiohead's standards, and it even bears a passing resemblance to the Oasis song "Talk Tonight." (Sacrilege!) It's still quite listenable, but it's easily the weakest song here. The remaining songs are still good enough to make this the most consistent set of non-LP material Radiohead's ever made. It more than makes up for the dreadful experi-

mentations in B-sides for their previous album *Hail to the Thief*.

With a bruising lead guitar riff, "Bangers and Mash" is a jagged guitar rocker in the same vein as "Bodysnatchers" but with even more menace ("Bit me, bit me, bit me / I've got the poison!"). Radiohead's rhythm section showcases its diversity on "Up on the Ladder" whose percussion is the throb of a drum machine with the faint rattling of both wood and metal deep in the mix. Thom pulls off a Doctor Who reference ("I'm stuck in the Tardis") surprisingly well with help from a world-weary bass line from Colin Greenwood which helps paint a gloomy scene of a universe whose infinity is not awe-inspiring but eternally repetitive.

Nothing, however, surprises more than the finale, "4-Minute Warning." Its mood and restraint are perfectly surreal and like nothing else the band has done since "The Bends." The title refers to the amount of time citizens could expect between the launch of a nuclear missile and its arrival on British soil during the Cold War. The jarring and simultaneously upbeat calmness of the song feels more like a last goodbye before oblivion than any maudlin gloominess could portray. In that respect, "4-Minute Warning" would've been a superior closing song to *In Rainbows* than "Videotape," and Radiohead could hypothetically end their career with this understated masterpiece. If this disc is any indication, though, they may have just entered their prime.

The album has an oceanic serenity that could be confused for dullness until you let the majesty of "House of Cards" or "Nude" permeate you.

DANCE REVIEW

A Night of Magic and Fantasy With the Boston Ballet

'The Nutcracker' Is a True Holiday Treat

By Diana Ye and Yiwei Zhang

The Nutcracker
Boston Ballet
Music by Peter Ilyich Tchaikovsky
Choreography by Mikko Nissinen
Boston Opera House
Performances run through Dec. 29, 2007

This winter, the Boston Opera House will host "The Nutcracker" during the 115th anniversary of the ballet's premiere in St. Petersburg, Russia. More than 80,000 people are expected to travel from all over New England to come watch this annual holiday tradition.

As many ballet fans know, the ballet begins at an elaborate Christmas party thrown by the Silberhaus household. The party is interrupted by the dramatic arrival of Herr Drosselmeier, godfather of the Silberhaus children Clara and Fritz. He entertains everyone with his magical toys and creations, including a large dancing bear and life-size windup dolls. After the show, Drosselmeier gives Clara a Nutcracker doll, which she instantly loves, so much so that she sneaks back to look for her doll after everyone has gone to bed. She ends up falling asleep with it under the Christmas tree.

Clara soon wakes up in terror to find giant mice running around her. Her fears are

relieved by the arrival of Drosselmeier, who performs his magic to enlarge the Nutcracker and bring him to life. Together they watch as the now man-sized Nutcracker and his toy soldiers battle the mice and their king. The Nutcracker eventually defeats the Mouse King with the help of Clara, who throws her slipper at him.

Drosselmeier then magically transforms the Nutcracker into a prince and Clara is whisked away into the breathtakingly beautiful Enchanted Forest. Here she meets the Snow Queen and King, who dance for her as she rides around in a sleigh pulled by reindeer. Clara eventually says her goodbyes to the Snow Queen and King and flies away with the Nutcracker Prince in a balloon.

The Second Act brings Clara to the Kingdom of Sweets ruled by the Sugar Plum Fairy. Clara is treated to a series of themed dances, including the memorable "Grandmere Ballabile" dance, which features a gigantic woman with eight children who come out from underneath her voluminous skirt, and the famous "Waltz of the Flowers," led by Dew Drop. All of this culminates in the final "Grand Pas de Deux" between the Nutcracker Prince and the Sugar Plum Fairy.

While strong performances by the Nutcracker, the Snow Queen and King, Dew Drop, and the Sugar Plum Fairy are generally

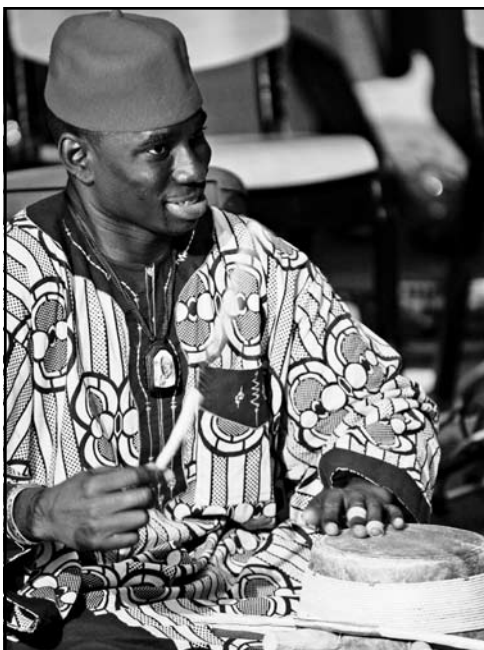
a given, the Boston Ballet's rendition showcased some surprising talent from its other cast members. Lauren Herfindahl, only 12 years old, showed both maturity and an innate gift for dancing in her performance as Clara. Her confident and graceful steps demonstrated why she was chosen for this lead children's role. Kathleen Breen Combes gave a standout performance as the jerky wind-up Columbine doll. She was so convincing that had we not seen her dancing, it would be easy to believe she was a well-made stage prop. Romi Beppu and Sabi Varga mesmerized the audience with their beautiful performance of the Arabian dance, which in spite of its nontraditional choreography was certainly one of the biggest highlights of the night. Though these dancers played more minor roles in the ballet, they nearly outshone many of the main dancers, who gave excellent but somewhat undistinguished performances.

The show's props and background sets produced a magical feel, and the dramatic visual effects left the audience gasping in awe on more than one occasion. The Christmas tree grew to an astonishing 30 feet on stage, extending upward along with the rest of the set during the battle with the mice. The Enchanted Forest scene was visually stunning, with snow falling and gigantic trees all over the stage, and the cloud-filled, opalescent towers of the King-

dom of Sweets could convince anyone that he or she was in fairyland. Drosselmeier, ever the magician, even flew across the stage midway through the ballet.

The ballet also kept a playful touch with little bits of humor interspersed throughout the show. Though the scene with the mice is traditionally nightmarish, anyone older than Clara would find it hard not to be amused by the sight of the dancers capering about in their large, fuzzy costumes. They used these costumes to their comedic advantage, including gags such as a stretcher brought in during the middle of the fight to carry off a wounded rat and a little junior mouse who futilely tries to fight the much taller Nutcracker. This comedic strategy continued throughout the show. Ballet dancers dressed all in white took the place of reindeer to pull the sleigh in the enchanted forest, and in the Pastorale dance a little black sheep managed to be get left behind his white sheep counterparts. While it might seem odd to laugh out loud at such a renowned ballet as "The Nutcracker," it just goes to show how the Boston Ballet's performance is able to pull out childlike wonder and amusement from the entire audience, young and old alike.

No holiday season is complete without a viewing of "The Nutcracker," and we highly recommend that you see this production for a magical experience.



Senegalese Song and Dance

Rock Lobdell



Rambax MIT presented a "Takusaanu Dakar" in Lobdell on Saturday, Dec. 8. The night consisted of traditional Senegalese music and performances by Group Saloum. Rambax is co-directed by artist-in-residence Lamine Touré (who is also a member of Group Saloum) and Patricia Tang.

- (center)
- ¶¶ Moha Seck performs Sabar.
- (clockwise from top left)
- ¶¶ Co-director Lamine Touré performs Sabar.
- ¶¶ Rambax MIT members join in a vibrant group performance.
- ¶¶ Erin S. Koksals '08 demonstrates Sabar.
- ¶¶ Paa Seck leads a lively dance.

Photography by Perry Hung

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Freemasonry at MIT

RCM.MasonryPage.org
rcm-info@mit.edu



Richard C. Maclaurin Lodge
A.F. & A.M.

CONCERT LISTINGS

December Concerts

There are only a few weeks left to catch shows before the semester ends, so take note of these top picks. Special interest performances are noted with stars. Send future listing suggestions to arts@tech.mit.edu.

Wednesday, Dec. 12
*Margot & the Nuclear So and So's (with Le Loup, The Motion Sick) **
The Middle East (Upstairs), 18+, \$9
A fantastic little band that is elegant on record and emotionally unrestrained in concert. They take their name from Wes Anderson's "The Royal Tenenbaums," and I like to think their musical sensibilities are influenced by the film as well.

Thursday, Dec. 13
Spaces Faces and The Johnson/Fleder Sub-Trio
Little Kresge Auditorium, Free, 7 p.m.
Presented lovingly by WMBR, Spaces Faces will do some of their own compositions as well as contemporary classical pieces, while the Sub-Trio is doing some originals and Coltrane reinterpretations.

Saturday, Dec. 15
*Friends of John: A Benefit Concert for the John Ryan Pike Memorial Foundation (feat. Tokyo Police Club, Ra Ra Riot, Vampire Weekend) **
The Middle East (Downstairs), 18+, \$15dos, 7 p.m.
Friends of former Ra Ra Riot drummer John Pike will play a show to fully benefit his memorial foundation, which hopes to raise money for those pursuing some musical education. Indie pop for a good cause.

Friday, Dec. 28
*Francine **
T.T. the Bear's Place, 18+, \$15, 11:20 p.m.
Frontman Clayton Scoble (ex-Poundcake) has been "on the Boston scene for, like, forever" according to my boyfriend, who turned me on to these guys about a year ago. This is the kind of music you can share with your friends, your S.O. and your mom; it's restrained but forward-thinking, delicate but jarring, eloquent and full of humor, all topped off with Scoble's fantastically smooth and emotive voice.

Sunday, Dec. 30
Soulive
Paradise Rock Club, 18+, \$22.50dos, 8 p.m.
Though they'll also play on New Year's Eve in the same location, it's \$20 cheaper on the thirtieth, so I'll bet you can guess my recommendation. Now that they've returned to trio status and renounced huge venues and tour busses, you can bet they'll be right in their element at Paradise.

Monday, Dec. 31
Badfish — A Tribute to Sublime
The Middle East (Downstairs), 21+, \$40
Oh, come on, you know you're going to be drunk for the new year, anyway. Why not do it while listening to nearly impeccable live covers of Sublime songs? Save up some cash, bring some friends, and celebrate the end of '07 like it's the end of '96.
—Sarah Dupuis

2 CENT COPY DAY

December 11, 2007

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Solution to Cipher in My Cereal

from page 13

SOLUTION: MARK BLAKE

All quoted phrases are Pink Floyd lyrics.

1st Paragraph
1st sentence → song: "Echoes" → album: *Meddle* → 1st sentence = 1st letter → m
2nd, 3rd, and 4th sentences → songs: "Eclipse," "Us and Them" → album: *Dark Side of the Moon* → 2nd, 3rd, and 4th letters → ark

2nd Paragraph
"let hers and album count" → letters in album count
1st and 5th sentences → songs: "If," "Fat Old Son" → album: *Atom Heart Mother* → 1st and 5th letters → ah

3rd Paragraph
"don't quote words, count them" → count the unquoted words
2nd sentence is a song quote → count 2nd word in unquoted phrase → rote
6th sentence is a song quote → count 6th word in unquoted phrase → em

Final Step
collect letters → "m ark ah rote em" → "mark i wrote them" → **Mark Blake**
Mark Blake wrote what is considered to be the most complete and extensive work on Pink Floyd, entitled *Pigs Might Fly: The Inside Story of Pink Floyd*.

[goodbye books]

hello \$\$\$\$

we'll buy back those old books and add
\$\$\$ to your wallet.

During Finals Week
From Dec 17-21 @:

MIT Coop @ Kendall Sq.
3 Cambridge Ctr Monday thru Friday 10-6:00
Stratton Student Ctr.
Monday thru Friday 10:30-5:00

Solution to Sudoku

from page 13

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

Solution to Crossword

from page 13

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



MARTHA ANGELA WILCOX—THE TECH



MONICA KAHN



MONICA KAHN



A Cappella Groups Perform in Fall Concerts

The Chorallaries, Cross Products, and MIT/Wellesley Toons all had their annual fall concerts in 10-250 this past weekend.

(counterclockwise from above)

Cecilia R. Louis '10 belts out Amy Winehouse's "Rehab" with the Chorallaries.

Karena K. Tyan '08 sings "False Alarm," originally by KT Tunstall, with the Chorallaries.

Kathryn H. Matlack '08 performs the "Beautiful Soul" duet with soloist Praveen Subramani '10 (right) with the MIT/Wellesley Toons.

Ali Rucker of Wellesley College performs "Where Does the Good Go?" with the MIT/Wellesley Toons.

Alumni join the MIT Cross Products for their alumni song,

"The Reason We Sing."

Gabriel A. Ha '11 sings the lead vocals to the MIT Cross Products' rendition of "You Are a Child of Mine."



MARTIN SEGADO—THE TECH

MARTHA ANGELA WILCOX—THE TECH



MARTIN SEGADO—THE TECH



Concert Choir Presents Pieces From Haydn and Britten

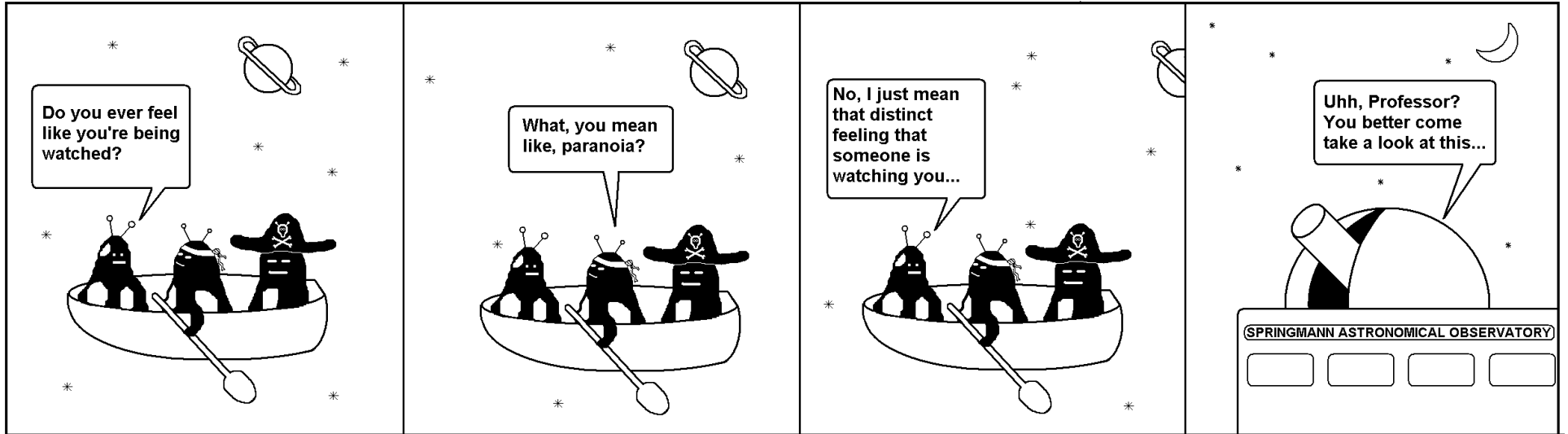
The MIT Concert Choir, directed by William Cutter, performed Haydn's "Theresienmesse" Mass in B flat major and Benjamin Britten's "Festival Te Deum" on Saturday, Dec. 8. The Theresienmesse, named after the Empress Maria Theresa of the Two Sicilies, is thought to have been first performed on Sept. 8, 1799. Britten's "Festival Te Deum" is somewhat more recent, having been composed in 1944 for the centenary of St. Mark's Church in Swindon, England.

(counterclockwise from above)
¶ Elizabeth A. Maroon '10 (left) and JodieMarie T. Fernandes '09 sing in Haydn's "Theresienmesse."
¶ Jane Wang G follows along in her music while singing Haydn's "Theresienmesse."
¶ The Boston Conservatory joins Concert Choir.
¶ Concert Choir and the Boston Conservatory perform Haydn's "Theresienmesse."
¶ Organist James Busby accompanies the choir.
Photography by Eric D. Schmiedl



OVNI

by Roxana Safipour



Cipher in My Cereal

by Danbee Kim

Solution to Dec. 4 Cipher: <Zoroaster, Zarathustra, Zartoshti> → take out all repeating instances of letters → <Zartosheu> → anagrams to → <azure shot> → <the second word, shot> → <SHOT = Society for the History of Technology> → <they award the Dexter Prize> → <Dexter's Laboratory> → <Cartoon Network>

“Overhead the albatross
Hangs motionless upon the air.”
“All that you buy,
beg, borrow or steal.”
“But in the end it’s only round and round.
Haven’t you heard it’s a battle or words
The poster bearer cried.”

let hers and album count:
“If I were a train, I’d be late.”
But only for a girl named Fate.
Gotta keep your feet, keep your feet on the ground.
Talking won’t help you any.
“And if you sit don’t make a sound”

don’t quote words, count them:
But rote learning tells Aunt Em city lights
to lie awake at night.
“She’ll be selling plastic flowers on a Sunday afternoon.”
Her baskets full of secrets,
nothing holding them down.
Water-logged in the river,
holding sad clown tears.
“In the lazy water meadow I lay me down.”

Solution on page 10.

Instructions:
Fill in the grid
so that each
column, row,
and 3 by 3
grid contains
exactly one
of each of
the digits 1
through 9.
Solution on
page 10.

nkj
do
op
ns

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

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

Crossword Puzzle

Solution, page 10

ACROSS

- 1 Soldier's awards
- 7 Sticky
- 15 Earhart of aviation
- 16 Code of correct conduct
- 17 Memory
- 18 Long, slender cigar
- 19 O. Henry specialty
- 20 Makes do
- 21 Hip dude
- 22 Deface
- 23 British theologian
- 24 Hindu queen
- 25 Clumsy clods
- 28 As far as
- 29 Fleet leaders
- 30 City on the Ruhr
- 31 Urban center
- 32 Webster or Wyle
- 34 Precipitous
- 37 Text of an opera
- 41 Formerly, formerly
- 42 Amazingly large
- 44 Too curious
- 45 Shrewish woman
- 46 Chest bone
- 47 Imitate

DOWN

- 1 Xylophone's cousin
- 2 Green beryl
- 3 Seemliness
- 4 Comic King
- 5 Comic Tomlin
- 6 Maglie of baseball
- 7 Places side by side
- 8 Dry-goods merchant
- 9 Sweethearts
- 10 Greek letters
- 11 Drunkard
- 12 Polar features
- 13 Flying in Bologna
- 14 Euphoria
- 20 Like Shirley

Temple's hairdo

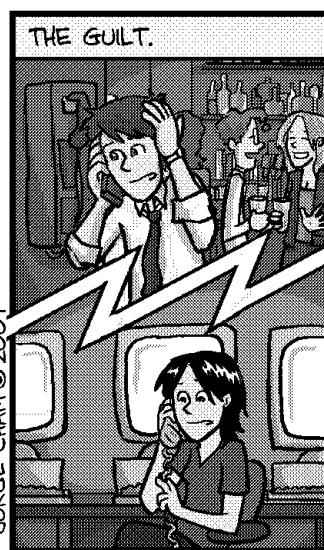
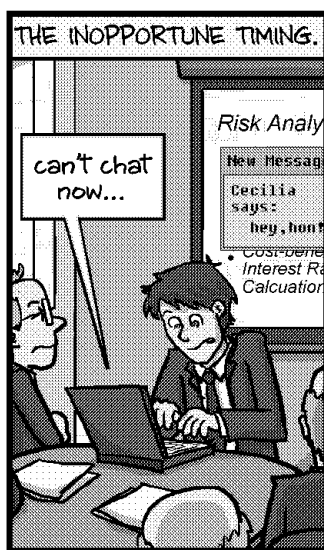
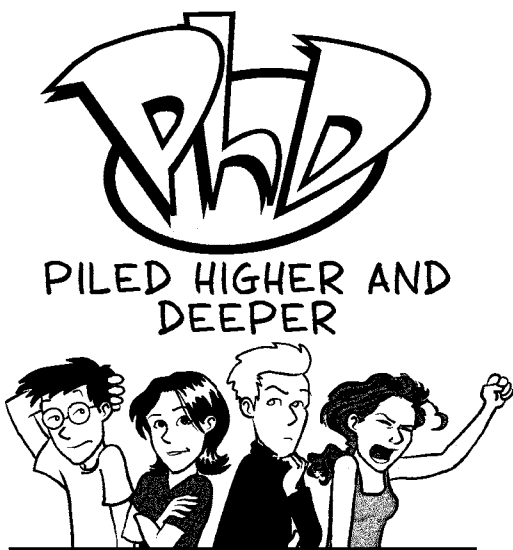
- 23 Bog fuel
- 24 Went too fast
- 26 Subtle distinction
- 27 Faucet annoyance
- 30 Merit
- 32 A bit chilly
- 33 Comply
- 34 Capitol Hill notable
- 35 Poisonous alkaloid
- 36 Intrinsic property
- 37 Those waiting in ambush
- 38 Italian ice cream
- 39 Fee for instruction
- 40 "Look Back in Anger" dramatist
- 42 Wheel with a grooved rim
- 43 Poison-detection job
- 48 Storyline
- 49 Cherished
- 50 Travelers' stopovers
- 52 Female swan
- 53 GE acquisition in 1986

1	2	3	4	5	6		7	8	9	10	11	12	13	14
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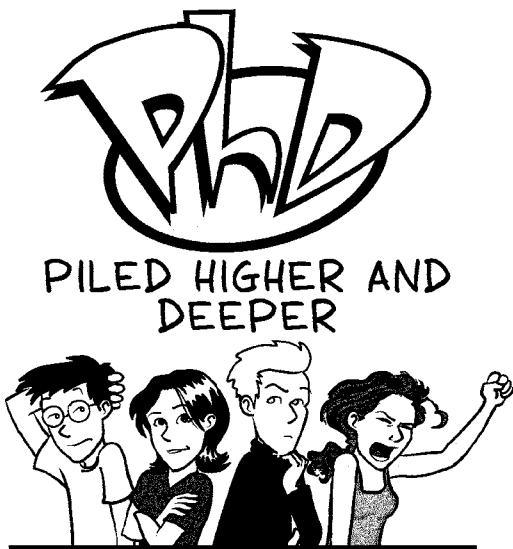
Doonesbury

BY GARRY TRUDEAU

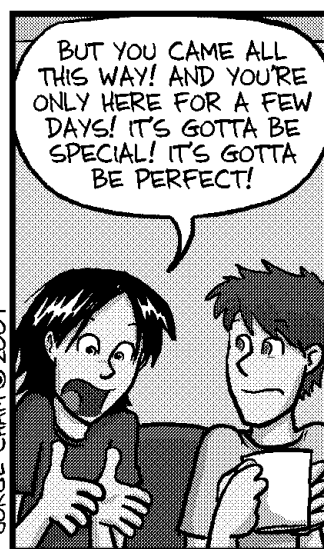
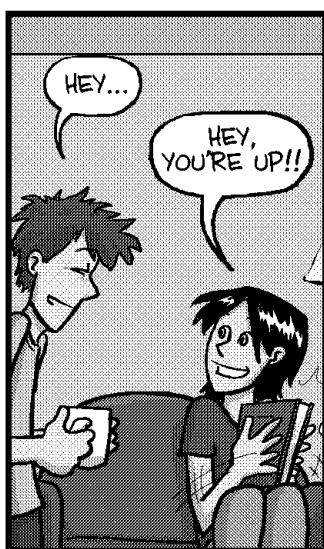
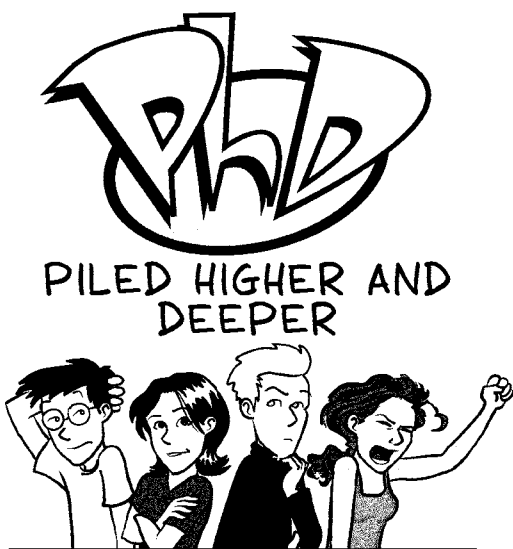
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Task Force Works to Create Minor Degree in Energy

Energy, from Page 1

involved with energy.

The Council has yet to hire new faculty, which Moniz described in 2005 as a key part of the original Energy Research Council's charge. "We will soon start a search process for recruiting several senior faculty in key areas," Moniz said this month. Faculty hirings are one of the Council's immediate plans, which will be executed within the academic year, he said.

During January's Independent Activities Period, the Initiative will have its first external advisory committee meeting, chaired by former Secretary of State George Schulz. The external advisory committee, made up of members of academia, industry, and government, will "provide guidance, advice, and direction" to the Council, according to the November 2006 MIT News Office article announcing its formation.

Also in January, MIT Energy Initiative Week will take place and the year's first allocations of seed funds and Ignition Awards will be distributed in support of student and faculty energy projects for the spring

semester.

Council to create energy minor

According to its vision statement, the energy education task force aims to "educate MIT students so that they can contribute significantly in making a global transition to a more environmentally and economically sustainable and socially responsible energy system." Specifically, the task force is working to develop a minor degree program in energy.

Biological Engineering Professor Angela M. Belcher, co-chair of the energy education task force, admits that one of their challenges lies within the very nature of the project. "How do you be rigorous about it but then also teach across multiple disciplines and multiple schools?" Belcher said.

As a starting point, a specialized subcommittee is analyzing currently available minors, their requirements, and what various tracks students can follow. This, in addition to a listing of energy courses put online in January 2006 (<http://energyclasses.mit.edu>), will allow the task force to assess how well students in various de-

partments can access energy-related classes. With this information, the task force members will be suited to recommend new courses and faculty hires.

Resources, such as teaching assistants and faculty, are necessary to meet these goals. Belcher acknowledges that paid UROPs are important to students. As a result, the energy education task force is also involved in fundraising.

Working toward energy efficiency

The campus energy task force, co-chaired by Architecture Professor Leon R. Glicksman '59, is working toward making the campus more energy efficient. The task force, also known as "Walk the Talk" began compiling suggestions last year for retrofits on existing buildings within MIT.

The task force has continued its involvement in the S-Lab (Laboratory for Sustainable Business) course, which collaborates with the MIT Sloan School. Glicksman said one S-Lab group analyzed the retrofit suggestions in terms of carbon emissions, as well as the return on investments, ranking each one.

Roughly \$500,000 have been allocated to do some of these projects, Glicksman said. Funds will also be directed towards monitoring the effectiveness of each project. "The hope is that, for the ones which show that they're successful, we can start larger scale implementation," Glicksman said.

The task force is also working toward integrating research with its energy conservation efforts. Walk the Talk plans to implement a variety of prototype energy designs in a new building that will then provide results for the basis of a second building. With this plan, the task force hopes to set an example for future construction on the MIT campus.

Ultimately, the campus energy task force hopes to use its progress to encourage members of the MIT community to conserve energy. It will continue to sponsor an inter-dormitory competition on energy efficiency, which Glicksman said showed promising results last year.

Groups benefit from funds, Generator

Granted through the Energy

Council and the Walk the Talk task force, the Initiative has allocated seed funds for student groups involved with energy. Biodiesel@MIT in particular has received a \$1,000 grant for space renovation to introduce a system that creates biodiesel fuel from grease and used cooking oil on campus.

Glicksman said he predicts some 10 new projects will benefit from seed funds within the year.

Student organizations have also benefitted from the MIT Generator event, sponsored by the Walk the Talk task force. The goal of the event is to bring together various student groups, interested students, and staff and to share ideas and brainstorm.

"It seemed like there were gaps in the mandate of the Energy Initiative," Generator Coordinator Jason J. Jay G. Therefore, the Generator became a vessel for encouraging "demand-side solutions" for energy.

The Generator will follow with the same sequence of events as last year by hosting a Re-Generator event, planned for February, and an Eco-Expo, planned for around Earth Day.

Harvard Plans Major Increase in Student Aid For Next School Year

By Sara Rimer and Alan Finder
THE NEW YORK TIMES

BOSTON

Harvard University announced Monday that it would significantly increase the financial aid it offers to middle-class and upper-middle-class students, seeking to allay concerns that elite colleges are becoming too expensive for even relatively well-off families.

The move, to go into effect in the next school year, appears to make Harvard's aid to students with household incomes from \$120,000 to \$180,000 the most generous of any of the country's prestigious private universities. Harvard will generally charge such students 10 percent of their family household income per year, substantially subsidizing the annual cost of more than \$45,600.

Officials said the policy would cut costs by anywhere from a third to 50 percent for many students and make the real costs of attending Harvard comparable to those at major state universities.

They said the initiative would increase financial aid spending by the university to \$120 million annually from \$98 million. A little more than half Harvard's students get some form of aid, including many from families earning \$120,000 or more.

The new aid policy is part of a broader effort by elite universities to alleviate the financial burden of rising tuition and ward off the perception that they have become unaffordable. Amherst, Williams, the University of Pennsylvania and Princeton are among those that have increased aid and substituted grants for loans to some students in recent years.

The move also comes as some members of Congress, concerned that tuition has steadily outpaced inflation, have been discussing whether universities should be required to spend a minimum amount of what their endowments earn on student aid. Harvard has a \$35 billion endowment, the highest of any university.

Harvard officials said they had been considering the aid change for some time.

"We've all been aware of increasing pressures on the middle class," said Harvard's president, Drew Gilpin Faust. "We hear about this in a number of ways — housing costs, both parents working, the difficulty of amassing any kinds of savings, just the increasing pressures as middle class lives have become more

stressed."

Three years ago, under Harvard's former president, Lawrence H. Summers '75, the university decided that families whose income was less than \$40,000 would no longer have to pay for their children's undergraduate education, although students would still have to make some contribution through programs like work-study. It then raised the income level eligible for the waiver to \$60,000.

Harvard's dean of admissions and financial aid, William R. Fitzsimmons, said those changes had increased the number of low-income students by 33 percent in three years. But Harvard officials said they had become increasingly concerned about higher income families.

Many Harvard officials, Faust said, feared that cost was driving the choices students make about graduate school and careers and that it had created what amounted to a two-class system among Harvard undergraduates. Dean Fitzsimmons referred to it as "the upstairs downstairs syndrome."

The officials said, for example, that often only the wealthy students can afford to pursue highly valuable but unpaid research opportunities with professors, take unpaid summer internships, study abroad or even spend time with their friends.

Under the new financial aid rules, the university said, a family making \$120,000 would have to pay about \$12,000 for a child to attend Harvard College, compared with more than \$19,000 under current policies. A family making \$180,000 would pay \$18,000, down from \$30,000.

The university also plans to substitute grants for loans in all financial-aid packages and will no longer consider home equity in calculating aid. The change in home equity considerations alone will mean, on average, a reduction of \$4,000 a year in cost for those families whose home equity would previously have been a part of the financial aid calculation.

Harvard officials say they don't want families borrowing against their homes — or selling their homes — in order to send their children to the university. "If you had an oil well in the backyard, you could sell the oil," Dean Fitzsimmons said. "But you need to live somewhere."

Currently, 763 students whose family incomes are between \$120,000 and \$180,000 receive some financial aid from Harvard, which has a total of 6,600 undergraduates. The new policy will be applied retroactively, officials said.

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Panhel Plans to Add New Sorority by Fall

Panhel, from Page 1

sure they are consistent with Panhel values, and to increase unity among the MIT sororities.

Delegates, one from each sorority, elect executive board candidates to the slate after interviewing them. The slate needs approval from at least four of the five sororities to be elected for the coming year. If it does not meet the requirement, it must be re-analyzed before being sent to the sororities for another voting.

Current Panhel President Anika S. Larsson '08 said each chapter needs to be comfortable with its leaders, so the process will take as long as necessary to meet the requirement.

Panhel plans for new sorority

Because of growing interest and membership increase over the last couple of years, concern arose within Panhel regarding the ability of the five existing sororities in accommodating everyone, said Sarah C. Rich '08, Alpha Epsilon Phi's delegate to Panhel.

A sixth sorority, will strengthen the Panhel community, add diversity, and reduce each member class to create a closer feel within each chapter, said Angela P. Wu '08, current Panhel vice president of recruitment.

Each of the five sororities have already voted in the decision to approve the addition of a new sorority, Guo said. Over the coming year,

Panhel will invite various sororities to campus to find the best match for the MIT community, she said.

The new sorority will join MIT's five sororities for recruitment next fall. At least, "that's the goal," Rich said. Panhel will need to follow guidelines of the National Panhellenic Conference in extending invitations to sororities, creating an extension committee, and conducting series of interviews to find the sorority that best benefits the MIT community, Wu said.

Rich said AEPHI, the smallest of MIT's sororities, "will be part of formal recruitment next year" and absolutely supports the arrival of a sixth sorority. Given the specialized members of each sorority, the new sorority will not be drawing for the same members from the pool, Rich explained.

Caroline J. Barker '08, current Panhel executive vice president, said it was a big accomplishment for the current board to make a smooth transition to fall recruitment, while recruiting "higher numbers." For the past several years, Panhel held its recruitment at the end of the Independent Activities Period.

Barker said challenges the new board will face include choosing the new chapter and dealing with the resulting expansion. Barker also said that she hopes the new board will maintain transparency, which is "more difficult than people think."

Police Log

The following incidents were reported to the MIT Police between Nov. 8 and Dec. 2, 2007. This summary does not include incidents such as false alarms, general service calls, larcenies, or medical shuttles.

- Nov. 8:** W34 (120 Vassar St.), 5:32 p.m., Hit and run to parked motor vehicle.
M64 (3 Ames St.), 6:52 p.m., Breaking and entering, no force; laptop stolen from lounge.
W20 (84 Mass. Ave.), 9:24 p.m., Fraud and ID theft; money removed from victim's bank account.
- Nov. 10:** N52 (265 Mass. Ave), 3:33 p.m., Assault and battery with a dangerous weapon; Eric Girvids of 508 Polar St., Roslindale, Mass., arrested.
- Nov. 11:** SPE (518 Beacon St.), 12:56 a.m., Breaking and entering, no force; report of iPod and camera stolen from room.
W7 (362 Memorial Dr.), 10:52 a.m., Breaking and entering, no force; iPhone, cash, and other items stolen from room.
- Nov. 12:** Windsor Lot, 2:35 p.m., Breaking and entering; caller reports that motor vehicle has been broken into, nothing taken.
- Nov. 16:** Albany Street, 10:34 a.m., Breaking and entering; vehicle stolen from Boston and operated at high rate of speed. Arrested: Hillis Turner of 489 Dudley St., Roxbury, Mass., for larceny of motor vehicle, breaking and entering, and malicious destruction of property.
- Nov. 17:** W35 (100 Vassar St.), 4:11 a.m., Suspicious activity; reporting person stated that there was suspicious activity in W35.
- Nov. 18:** W20 (84 Mass. Ave), 1:22 p.m., Malicious destruction; party reports damage to locker.
- Nov. 19:** NE49 (600 Tech Square, 5th Floor), 10:52 a.m., Fraud; unauthorized withdrawal from bank account.
- Nov. 21:** W8 (409 Memorial Drive), 10:59 a.m., Warrant served; Bradley Jansson of 66 Winthrop St., Cambridge, Mass. arrested for outstanding warrants.
- Nov. 24:** W31 (120 Mass. Ave.), 4:19 p.m., Assault and battery; fight between basketball players over use of DuPont gym basketball court.
M15 (105 Rear Mass. Ave.), 6:51 p.m., Suspicious activity; David Scrima of 150 E. 44th St., New York, NY, arrested for trespassing.
- Nov. 26:** W71 (500 Memorial Dr.), 3:10 p.m., Warrant served; Charles K. Kiplagat of 500 Memorial Dr., Cambridge, Mass., arrested.
W85 (540 Memorial Dr.), 8:48 p.m., Report of a domestic disturbance.
- Nov. 27:** M7 (77 Mass. Ave.), 7:59 a.m., Breaking and entering; laptop stolen.
E25 (45 Carlton St.), 11:33 a.m., Breaking and entering; Larceny of printer.
- Nov. 28:** M5 (55 Mass. Ave.), 9:26 a.m., Breaking and entering; Larceny of credit card and cd-drive.
M3 (33 Mass. Ave), 9:39 a.m., Breaking and entering; Larceny of laptop.
- Nov. 29:** M7 (77 Mass. Ave), 11:15 a.m., Trespassing; Russel Fig of 151 Washington St., Cambridge, Mass. arrested for trespassing in Roche Library.
- Nov. 30:** PSK (487 Commonwealth Ave.), 11:24 a.m., Burglary; person reports laptop stolen.
E23 (25 Carlton St.), 8:32 p.m., Assault and battery; person reports assault by person known to him.
- Dec. 2:** NW86 (70 Pacific St.), 11:37 a.m., Fraud; unauthorized use of debit card.

COMPILED BY NICK SEMENKOVICH

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Hotel@MIT Name Now Le Meridien

Upon the closing of the sale of Hotel@MIT on Dec. 5, the name of the hotel was changed to La Meridien Cambridge.

The 210-room hotel in University Park was sold by MIT and Forest City Enterprises to HEI Cambridge LLC, an affiliate of HEI Hotels & Resorts, for \$63.2 million, or \$301,000 per room, according to Forest City's third quarter financial results press release.

The sale generated net cash proceeds of approximately \$18 million for Forest City, the press release said. The property was sold at a cap rate of approximately 6.75 percent.

HEI told *The Boston Globe* that it would spend \$7.3 million renovating the hotel. Renovations would be completed in 2009. The *Globe* also reported that there are plans for a new "gourmet restaurant concept." The average room rate is expected to be \$200 by year's end and to increase by \$20 to \$50 after renovation.

Le Meridien is a French-style hotel brand owned by Starwood Hotels and Resorts, of which HEI is a subsidiary. Starwood also owns other well-known hotel brands including Sheraton, Westin, and Four Points.

—Arkajit Dey

News Briefs

6.005, New Specialized Labs to Replace 6.170 Within New Curriculum

6.170, from Page 1

add-on subject, which would replace the 15-unit 6.170, but it "didn't make sense" logistically, Grimson said in an e-mail. For students on the earlier curriculum who have not taken 6.170, the 12-unit 6.005 without the 3 unit add-on "will suffice towards meeting degree requirements."

Vergheze said it was better to invest resources into the new curriculum and 6.005. "We feel that students will still be well-served."

The decision involved 6.170 and 6.005 faculty, the department administrators, and those involved in designing the new curriculum, Vergheze said.

While 6.005 does not include the large five-week team project 6.170 had as its final project, it covers much of what was taught in 6.170 and more, Vergheze said.

"We're currently working on creating a successor to 6.170 and other subjects to sit on top of 6.005," he added. A series of new software laboratory classes, numbered 6.17*, will satisfy the department laboratory requirement, Grimson said in his e-mail.

"We will also have senior-level subjects that have large project components," Vergheze said.

Taught for the first time this fall by Professors Daniel Jackson and Robert C. Miller '95, 6.005 consists of two 80-minute lectures each week and six two-week long lab projects that each student completes with a partner, Jackson said.

In the old curriculum, the software development class sequence consisted of 6.001 and 6.170, both offered for the last time this term. In the new curriculum, however, the sequence consists of 6.01 and 6.005, followed by upper-level laboratory courses, Jackson said. He explained that 6.01 will "introduce fundamental big ideas," 6.005 will cover "most of the conceptual material," and the project courses will have extensive labs.

"It will certainly be more spread out," Miller said. "What used to be in one course is now in two 12-unit courses." But by the end of the sequence, students will have learned more material than through the sequence of the old curriculum, Jack-

son said.

Jackson said the format for 6.005 "worked very well" this term. "We think students will have a great experience," he said.

William H. Magnuson '09, who is taking 6.005 and has taken 6.170, said he thinks 6.005 "is really good" and he "learned a lot." "6.005 was about design and 6.170 was about development and implementation," which was made clear through the open-ended 6.005 problem sets, Magnuson said in an e-mail.

So far, "we are not sure if we would reuse the number" 6.170 for a new course since it might cause confusion, Vergheze said.

"We are also working to inform companies, peer universities, and alumni of the various changes taking place, to help them adjust and know what to expect," Grimson said in his e-mail.

As the transition to the new EECS curriculum continues, 6.046 (Design & Analysis of Algorithms) "will evolve to take advantage" of material covered in the new 6.006 (Introduction to Algorithms) course, Vergheze said.

Vast Majority of Student Groups Requested Student Center Space

ASA, from Page 1

excellent and some could be doing better. ... If spaces were used well and were reasonably full, they stayed as is. A lot on the fourth floor of the Student Center was completely unchanged."

Spaces marked by the ASA for future review include rooms occupied by Alpha Phi Omega, Counterpoint, the Lecture Series Committee, the Logarithms, MIT Resonance, Rune, The Tech, Technique Yearbook, UHF Repeater Association, the MIT Undergraduate Research Journal, and WMBR Radio.

"We are slightly upset. We do make use of this space," APO President Mandie D. Holmes '08 said. The APO office, located on the fourth floor of the Student Center, was one of the rooms marked by the ASA for more discussion. Holmes added that there are security concerns that come with sharing student group space.

"The space allocated to student groups in W20 is not enough space for student groups," Holmes said. "MIT should work to find more space, because there just isn't enough."

According to Peacock, of the 120 student groups that requested space by the Nov. 14 town hall meeting this year, all but five asked for space in the Student Center. "That was not going to happen," Peacock said. "We have nowhere near that much space."

"There is a ton of space in Walker," Peacock added. "How do we get people to want to use it and use it well?"

According to Peacock, students at an ASA town hall meeting a few weeks ago expressed concerns with the safety in and around Walker. There are generally more people around the Student Center. Students also wanted improvements to Walk-

er, including better fountains, lighting, and working elevators.

"We can't get money put in unless people use the space," Peacock said. "A lot of [improvements] don't happen because groups aren't using it, but students aren't using it because it's run down."

Phillip J. Walsh, director of the Campus Activities Complex, said it was understandable that student groups want to be in the Student Center since it is a newer building. Walker is a "beautiful building and was the center of student life for many years," Walsh said. "But it is in need of substantial renovation."

Renovation of Walker Memorial could very easily cost \$50-60 million, Walsh said. The CAC is moving things forward, and renovations will happen eventually, he added.

In the meantime, Walsh said the CAC was trying to improve the conditions in Walker Memorial. One CAC manager, Kerri A. Mills, was relocated to Walker to work with the student groups located there. Additionally, lounges and furniture have been added, and the renovated Pritchett Hall can be used as an event site.

According to the ASA, this year's round of space allocations saw an increase in the need for student group storage space. A three-room "general storage" area was created, consisting of W20-437, W20-441, and 50-306, which will accommodate the storage requests of approximately 50 groups.

This year's initial ASA space allocations are located at <http://web.mit.edu/asa/resources/office-space-alloc.html>. Appeals were due last Friday and are currently being processed. Peacock said appeals results will be released before the winter break.

ASA revises allocation policy

The space allocation policy was revised by the ASA executive board a few weeks before allocations were made. (The space allocation policy is available at <http://web.mit.edu/asa/rules/space-alloc-policy.html>.) A revised version was presented to student groups at the Nov. 14 ASA town hall meeting.

Changes, according to Peacock, include the removal of hard deadlines and precise, highly specific rules to allow for future flexibility and the removal of the requirement to have someone from the dean's office included in the allocation process. "We've never done this with someone in the dean's office," Peacock said.

One major change was made in the appeals process. Previously, student groups made appeals to the ASA twice, once in regard to tiered lists of groups, which indicate the priorities for allocations, and once in regards to the allocations themselves. This double appeals process made allocations "extremely difficult to do in one semester," Peacock said.

With this revision, the tiered lists were removed, though the ASA still has internal tiering to keep track of priorities, Peacock said. Student groups will now only appeal the initial allocations. Removing the tiered list was "just taking out a step that was slowing the process down."

Additionally, the section on the philosophy that governs space allocations was moved to the top of the policies, and a paragraph was added stating that it is the responsibility of the ASA to see that allocations happen in a timely manner.

Part of the Nov. 14 town hall meeting was devoted to discussing what the philosophy of space allocations should be.

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Tech Earns Top Three Places in Women's Intermediate Division

Taekwondo, from Page 20

(Ha, Corinna Hui '09, and co-captain Karolina Corin G) defeated Rensselaer Polytechnic Institute to meet Cornell A2. The team sparred valiantly in some emotional matches. Ha won in overtime against an experienced Cornell black belt. Team president Hui scored solid inside kicks and kept her cool against an intimidating opponent, losing by just one point in a match that could have gone either way.

The tournament was also an opportunity for beginners in the club to try their hand at competition sparring. The Men's C1 team (Lu, Rafael A. Raya '11, and Tylor J. Hess '10)

fought hard to win bronze. The indomitable Women's C1 team (Ranbel F. Sun '10, Han Zhu '09, and Chiang) blazed through the division to take gold with an unprecedented four decisions by a 10-point gap, the point at which the mercy rule is invoked, while the Women's C2 team (Jennifer T. Huang '08, Quddus, and Markham) took bronze.

The day ended on an exciting high, with MIT domination of intermediate (B-team) sparring. The Men's B1 team (Han, Wu, and Labaziewicz G), which also doubled earlier in the day as the A1 team, was inched out by Cornell for first place. Meanwhile, Men's B2 (Joey Y. Zhou G, Jamie B. Edwards '08, and Jason

J. Uh '10) sparred through some extremely physical and rough matches to win bronze.

The women's B-teams tasted victory in a tremendous 1-2-3 sweep. The B1 team (Ha, Hui, and Chiang) and B2 (Lee, Stephanie E. Nix '09, and Markham) easily took gold and silver. Rounding out the sweep was the B3 team (Sun, Zhu, and Nicole A. Bieber '10), which shut out Cornell's more experienced top B-team for the win. The victory ended the tournament on a high note, with the momentum swinging in MIT's favor after some tough losses earlier on.

The team's next tournament will take place at New York University in February.

Univ. of Southern Maine Shuts Out MIT, 9-0, in Women's Ice Hockey

Hockey, from Page 20

Kazmierski '11 recorded the lone goal for the Engineers (0-5-0, 0-5-0 ECAC East).

Shauna Pires opened the scoring for New England when she connected on a feed from Danielle O'Leary after 5:50 expired. Almost 10 minutes later, Collins placed a pass from Lewis just inside the right post to register the eventual game-winning goal. The Pilgrims extended their lead to 3-0 on a power-play strike by Graham that was set up by Ross and Sarah Tracey. MIT found the back of the net when Kazmierski corralled a pass from Sara E. John '09 with 20 seconds remaining in the period.

The majority of the second period was a defensive battle until New England broke through at the 11:43 mark on Graham's goal. The Pilgrims' offense exploded in the final period, with White notching all four of her goals in the period. In addition, New England registered three power-play scores during a five-minute major penalty assessed

to the Engineers.

In net, Rachel A. Bowens-Rubin '11 collected 43 saves for MIT while Mary Roux made 16 stops for the Pilgrims.

Southern Maine Blanks Engineers, 9-0

Amy McNally, Amanda Shorey, and Jessica Knight each tallied three points as the University of Southern Maine defeated MIT, 9-0, in an ECAC East game on Saturday. With the win, the Huskies improved to 3-4-0 overall and 3-2-0 in conference play while the Engineers fell to 0-6-0 on the year and 0-6-0 in ECAC East action.

McNally posted her first game-winning goal of the season when she connected on a feed from Knight after 5:46 expired in the contest. Following 10 minutes of scoreless play, Southern Maine tacked on three goals in a span of three minutes. Shorey led off the spurt by converting a pass from Megan Irving, who was then set up by Regina Wilson for her first goal of the campaign. Jenna

Stanley and Stephanie King found Katie Quartuccio for a power-play strike with 11 seconds remaining before the intermission.

The second period was defense-oriented until the Huskies broke through at the 10:24 mark. Alyssa Gibson found the back of the net as McNally and Shorey earned the assists. Less than two minutes later, the McNally-Knight connection returned to give Southern Maine a 6-0 advantage. Gibson notched the final goal of the period when she redirected a pass from Shorey in the 18th minute.

In the final period, Mary Vaughan was a factor in both goals for the Huskies. She recorded an unassisted power-play strike at 3:11 and then found Knight for the last goal of the day just over two minutes later.

In net, Rachel A. Bowens-Rubin '11 collected 17 saves in 40 minutes of action while Maria N. Prus '10 closed out the game with six stops for the Engineers. Emily Barrett posted 10 saves for Southern Maine in her first start of the season.

Sports Shorts, Continued

Sports Shorts, from Page 20

beat out the competition. Racz won both the 100-yard (1:00.89) and 200-yard (2:14.45) breaststroke events, while Dobson finished first in both the 500-yard (4:48.62) and 1,000-yard (10:02.94) freestyles. Racz led a 1-2-3 finish in the 200-yard breaststroke, as he was followed by Kao (2:17.71) and Hu (2:18.20). Dobson's top time in the 1,000-yard freestyle was trailed by Jack Hill '11 (10:19.65), Harrison K. Hall '08 (10:27.95), and Roselli (10:50.42) to give Tech the top four finishers.

MIT's swimmers engineered three more 1-2-3 finishes on the afternoon, beginning with Kao (1:48.87), Hu (1:52.35) and Zachary C. Cordero '10 (1:52.63) in the 200-yard freestyle. The Cardinal and Gray did the same in the 100-yard backstroke (Wellings, Sepp, Sauter) and the 400-yard individual medley (Kao, Hu, Hill).

The Engineers' other swimming triumphs came in the 100-yard freestyle, which Wellings won with a time of 49.10, and the 200-yard backstroke, in which Sepp touched the wall first at 2:07.09.

Carson J. Darling '11 won both the one-meter and three-meter diving events, scoring 202.20 points and 205.45 points, respectively, though he dove without a competitor from Wheaton.

—Jeff Lemeux, DAPER Staff

Women's Swimming Splits NEWMAC Dual Meet

The MIT women's swimming and diving team's match-up with New England Women's and Men's Athletic Conference foe Wheaton College lived up to its billing as the SwimmingWorldMagazine.com Meet of the Week. For the second straight year, the final relay decided the dual meet. Unfortunately for Tech, the result remained the same, as the host Lyons held on for a 151-148 victory over the Engineers on Saturday afternoon for the second consecutive campaign. However, the sting of the loss was partially mitigated by MIT's 205.50-92.50 win over the meet's other NEWMAC competitor, Smith College.

The Cardinal and Gray moved to 3-2 overall and 3-1 in the NEWMAC with the split. The Lyons improved to 6-2 (4-1 NEWMAC) with the pair of victories, while the Pioneers fell to 3-3 (0-3 NEWMAC).

With the score at 147-135 in favor of Wheaton heading into the final event — the 400-yard freestyle relay — the Engineers knew that they needed to secure the top two times to earn the victory. Ariadne G. Smith '10, Abigail M. Clark '09, Jacquelyn M. Nowicke '08, and Amy E. Jacobi '11 — a group swimming as MIT's "B" team — earned first place and the maximum points with a time of 3:43.39. Unfortunately for MIT, Wheaton's top team clocked in just 0.07 seconds later to grab second-place and wrap up the victory.

Nicole M. O'Keeffe '09 and Jacobi each picked up two individual triumphs to pace the Engineers. O'Keeffe clocked in at 10:54.04 in the 1,000-yard freestyle to claim first place before doing the same in the 400-yard individual medley with a time of 4:46.69. Jacobi earned victories in the 100-yard backstroke (1:01.27) and the 100-yard butterfly (59.74), beating out second-place finisher Dania Piscetta of Wheaton by 0.01 seconds in the latter.

Sasha B. Brophy '08 earned MIT's other individual win, touching the wall fastest in the 500-yard freestyle with a time of 5:24.39.

The Cardinal and Gray was hurt by the absence of Doria M. Holbrook '08 on the diving boards, as the 2005 and 2007 three-meter diving national champion did not compete.

—Jeff Lemeux, DAPER Staff

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SPORTS

Taekwondo Finishes Second in November Cornell Tournament

By Christine M. Lee
TEAM MEMBER

The MIT Sport Taekwondo team took second place at a Nov. 11 tournament at Cornell University. The team, coached by Daniel B. Chuang, remains in second place out of 18 schools in the Ivy Northeast Collegiate Taekwondo League, behind only archrival Cornell.

The second tournament of the season featured a gold-silver-bronze women's intermediate division (B-team) sweep for the first time since 2004.

The day began with forms competition, where competitors perform a choreographed set of movements and are judged based on such elements as grace, control, power, and flexibility. MIT dominated the colored belt division, placing in every division.

Team co-captain Christopher J. Han '09 and Christine M. Lee '09 led the way in the red belt division,

taking gold and silver, respectively. In the blue belt division, Ning Wu G wowed the judges with his graceful side kicks to obtain silver, while in the women's division Miranda J. Ha G and Jaelyn J. Ho '09 took silver and bronze, avenging a University of Pennsylvania sweep at the previous tournament. Gordon Lu G secured silver in a tough men's green belt division, and Elizabeth M. Markham '09 and Stephanie R. Chiang '08 swept 1-2 respectively in the women's green belt division. Shammi S. Qudus '10 and first-time competitor Mary Hong '10 beat out a huge yellow belt division to collect gold and silver, respectively.

Sparring began with the advanced (A-team) division. Both the men and women fought tough, close matches. The men's A1 team (Han, Wu, and team co-captain Jarek Labaziewicz G) lost a close match to Cornell. Meanwhile, Women's A1

Taekwondo, Page 19

Women's Hockey Suffers Rough Losses in Two ECAC East Games

By Mindy Brauer

DAPER STAFF

The women's ice hockey team fell to New England College and the University of Southern Maine in

its final two games of the semester, held on Friday and Saturday. MIT will return to the ice after the holiday break.

New England powers past MIT, 10-1

Six goals in the third period by New England College helped secure a 10-1 victory over MIT in an Eastern College Athletic Conference East women's ice hockey game on Friday night. Rachel White paced the Pilgrims (3-2-1, 3-1-1 ECAC East) with four goals while Elizabeth Ross, Stefanie Lewis, Sarah Graham, and Jamie Collins tallied three points apiece. Lauren A.

Hockey, Page 19



Christina M. Ottomeyer '08 cross-checks senior Jenna Stanley of the University of Southern Maine in Saturday's women's ice hockey match. The Engineers were shut out in a 9-0 loss.



New England College's junior forward Emily Tanguay tries to put the puck in the back of the net while MIT's forward Lauren A. Kazmierski '11 (right) and goalie Rachel A. Bownens-Rubin '11 (left) defend. The women's ice hockey team lost 10-1 on Friday evening in Johnson Ice Arena.

UPCOMING HOME EVENTS

Saturday, Dec. 15, 2007

Pistol, USA Junior Olympics
Men's Track, Intrasquad
Women's Track, Intrasquad

9 a.m., duPont Athletic Center
12 p.m., Johnson Athletic Center
12 p.m., Johnson Athletic Center

Sunday, Dec. 16, 2007

Pistol, USA Junior Olympics

9 a.m., duPont Athletic Center

Wednesday, Jan. 2, 2008

Women's Basketball vs. Caltech

7:30 p.m., Rockwell Cage

Thursday, Jan. 3, 2008

Men's Basketball vs. Connecticut College

7 p.m., Rockwell Cage

Saturday, Jan. 5, 2008

Women's Ice Hockey vs. Castleton State 1:30 p.m., Johnson Ice Arena
Men's Basketball vs. Lesley 2 p.m., Rockwell Cage

Women's Basketball Crushes Fisher, 59-29

In the inaugural meeting between both programs, the MIT women's basketball team defeated Fisher College, 59-29, on Saturday.

Sports Shorts

With the win, the Engineers improved to 3-4 on the year while the Falcons fell to 1-8.

MIT opened the game with four straight points before a lay-up by Tiffany Beckman put Fisher on the board. After trading baskets, the Engineers went on a 20-2 run that resulted in a 27-6 advantage at the 5:40 mark. A jumper by Shatia Roberts ended a six-minute scoring drought for the Falcons with 4:35 on the clock. The remainder of the half was evenly played as MIT led, 37-16, at the break.

The balanced scoring continued into the second stanza as a three-point play by Briana Roberts brought Fisher within 45-23 at 13:30. A basket by Kristen E. Whaley '11 on the Engineers' ensuing possession sparked a 10-0 run which resulted in their largest lead (57-23) with less than six minutes to play. Briana Roberts and Beckman combined for the Falcons' final six points as MIT's Amy Qian '11 capped the scoring.

Last week, the MIT women's basketball team defeated Albertus Magnus College, 53-49, and fell to Emmanuel College, 77-53.

MIT will continue non-conference play at Gordon College on Wednesday, Dec. 12.

—Mindy Brauer, DAPER Staff

Amherst Defeats Men's Basketball, 66-60

Brian Baskauskas scored a team-high 16 points, including 10 late in the second half,

as top-ranked Amherst narrowly defeated the MIT men's basketball team on Thursday. The Lord Jeffs, who are the defending NCAA Division III national champions, kept their perfect record intact with a 66-60 victory.

James M. "Jimmy" Bartolotta '09 led MIT (6-3) to a 34-26 lead at halftime after closing the opening period 7-of-10 from the floor for 16 points. Bartolotta finished the evening with a game-high 27 points as well as a game-best five assists but was unable to off-set an offensive attack by Amherst (6-0).

The Lord Jeffs shot 57 percent from the field for the game and were 13-of-22 in the second half. Baskauskas delivered two treys and Andrew Olson added three more, all in the final 20 minutes, to help Amherst recover from a disappointing first half that left the home crowd stunned.

Behind its outstanding perimeter play, Amherst began to assert control and maintained a three-possession lead throughout most of the second half. After Glen Wong converted a lay-up with 4:40 left in regulation, the Lord Jeffs extended their advantage to a game-high 12 points by moving in front, 60-48.

MIT quieted the packed LeFrak by climbing back into contention with a 12-2 run over the next three minutes that left the Engineers trailing by just a basket. Bradley H. Gampel '09 had two of his game-high five steals during the stretch, while Will D. Mroz '08 and Willard J. "Billy" Johnson '09 each drained a shot from beyond the arc.

Despite drawing triple coverage, Bartolotta sliced through the defense for two lay-ups that left Amherst ahead, 62-60. After making another defensive stop, Bartolotta had a chance to tie the game with a third consecutive basket in the paint, but his left-handed drive rolled just off the rim and set the stage for Brandon Jones, who knocked down four straight free throws to ice the battle.

"We knew that Amherst wasn't going to

just go away in the second half so we wanted to maintain our energy," Associate Head Coach Oliver W. Eslinger said. "Although we found ourselves down 12 in the final minutes and could have easily given up, we gave ourselves a chance to win with our defensive pressure."

—James Kramer, DAPER Staff

Men's Ice Hockey Defeats Bryant, 2-1

The MIT men's ice hockey team defeated Bryant University, 2-1, in NorthEast Collegiate Hockey Association Conference A East Division action on Friday. The victory improved MIT's record to 6-1-0 overall and a division-best 4-1-0 in the NECHA East as it heads into the winter break, while Bryant fell to 8-7-0 overall and 1-2-0 in the division.

Michael J. Rosensweig '11 put the Engineers on top, 1-0, with his first intercollegiate goal and point at 6:35 of the opening period courtesy of a Kevin M. Farino '10 pass. Farino leads all Tech defensemen with two goals and two assists, totaling four points.

The hosts leveled the score at one apiece just under five minutes into the second period, when junior forward Jeremy Link fed fellow junior Joseph Oullette, who directed the puck past MIT goaltender Thomas A. Hopkins G.

However, Tech's stellar offense restored the Engineers' lead with 16:34 remaining in regulation, as Nicholas R. LaBounty '09 scored the game-winning goal. Ryan W. Balentine '09, who leads the team with 12 assists, provided the assist as LaBounty found the back of the net for a team-leading ninth time.

The Engineers' next game will be on Wednesday, Jan. 16, when they will host Bridgewater State College at 7 p.m.

—Jeff Lemieux, DAPER Staff

Men's Swimming Beats Wheaton, 224-48

Behind three wins each from Laurent Charpentier '10, Rastislav Racz '10, and Michael J. Dobson '11, MIT men's swimming and diving team eased to a 224-48 victory over New England Women's and Men's Athletic Conference foe Wheaton College on Saturday. The Engineers won 13 of the 14 swimming events and both diving events in a contest that was selected as Swimming-WorldMagazine.com's Meet of the Week.

MIT improved its dual meet record to 3-0 overall and 2-0 in the NEWMAC this season with the triumph, while Wheaton fell to 2-5 overall and 1-3 in the conference.

The Cardinal and Gray had the top-two finishing quartets in both of the afternoon's relay events. Jeffrey Y. Zhou '10 and Luke R. Cummings '10 teamed up with Charpentier and Racz to take top honors in the meet's opening event, the 200-yard medley relay, with a time of 1:37.26. They were followed in second place by Peter J. Wellings '09, Deke Hu '09, Toomas R. Sepp '11 and Kalvin D. Kao '08 — a group which clocked in at 1:41.98. The Engineers performed a similar feat in the afternoon's final event, the 400-yard freestyle relay. Zhou, Dobson, Cummings, and Trace U. Sauter '11 were the victors, touching the wall first at 3:19.75, while Charpentier, Wellings, Brendon M. Sullivan '11, and Eric J. Roselli '11 copped runner-up honors by finishing with a time of 3:20.58.

Charpentier, Racz, and Dobson each picked up two individual victories as well. Charpentier took first-place in the 50-yard freestyle with a time of 22.02, while teammate Cummings finished right behind at 22.08. Charpentier also won the 100-yard butterfly, who touched the wall in 53.18 to

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