

## MIT Cable Expands, 14 Channels Added

*Networks Come as Surprise to Students*

By Nick Semenkovich

MIT Cable expanded to include 14 new basic cable channels, despite previous announcements that only three channels would be added. The new channels were added without removing C-Span 2, Bloomberg Television, or MIT Weather When You Want It, which were originally slated to be replaced.

The changes will be reflected in an additional \$1.50 per month cost to housing, effective next term, according to Undergraduate Association Vice President Ruth Miller '07 (also a *Tech* Campus Life columnist).

The expansion was made possible with the termination of MIT's subscription TV service. "We had a block of channels open up," Miller said '07. "We were originally going to replace three channels, but we got extra space from canceling the subscription TV service." (See page 13 for a full listing for MIT's new basic cable channels.)

MIT's canceled subscription service offered basic digital cable for \$14 per month, with optional Pay-Per-View Events and premium channels such as HBO for additional fees. Not counting the MIT Cable office, 39 people were subscribed to the basic package, with 11 subscribed to HBO.

Given the small numbers and an increase in fees for 2007, it made little sense to continue the subscrip-

tion service, said Randall W. Winchester, team leader of MIT Cable Television.

"We realized in November that the subscription service was no longer viable," Winchester said. "In light of a proposed rate increase for this year, we chose to end the subscription service."

The canceled service opened up channels 48–61, bringing in the long awaited Sci-Fi Channel and Comedy Central, among others.

Cable-storm had strongly advocated for changes to MIT Cable. The group formed in Spring 2006 and is comprised of the Undergraduate Association, Graduate Student Council, Dormitory Council, MIT Cable Television, and Housing.

"It's just a remarkable project bringing together a lot of people from student government and the administration," Winchester said. "I don't think I've ever seen a group of students and administrators work together so closely and act so quickly."

Following a survey in September of last year, Cable-storm selected Comedy Central, the Sci-Fi Channel, and the Discovery Channel to replace three existing channels, C-Span 2, Bloomberg Television, and MIT Weather When You Want It.

"The 14 new channels come with

Cable, Page 13

## Au Bon Pain Launched in Zesiger; Construction For Subway Begins

By MeiHsin Cheng  
STAFF REPORTER

A new Au Bon Pain location opened at the Zesiger Sports and Fitness Center last Thursday, Jan. 18. Subway, a popular sandwich vendor, is set to open in the Student Center in September; renovations have begun at Lobbell Food Court on the second floor, according to Director of Campus Dining Richard D. Berlin III.

Plans for both the Subway and Au Bon Pain were first announced in May 2006.

"The initial reaction seems to be very good," Berlin said of the Au Bon Pain. The Zesiger Center has been home to two other food vendors in the past, according to Berlin, though those two "didn't work out." Judging from the business that Au Bon Pain received on Thursday and Friday, Berlin said, it is getting "twice as much business as the other ones did."

Au Bon Pain is still experimenting with its hours of operation, according to Berlin. "If there's demand, they will be open as long as the [Zesiger] Center allows," Berlin said. Currently, Au Bon Pain is open from 8 a.m. to 7 p.m. The vendor was also open last weekend, but the weekend schedule has not yet been worked out. Dining Marketing Specialist Anne W. Wilson said that the schedule will probably change once the spring term starts.

Having Au Bon Pain, which was interested in having a location on the MIT campus, was described by Ber-

Dining, Page 10



DAVID HE

Au Bon Pain Store Manager Biodun Akande serves Leif G. Francel '10 at the chain's new location inside the Zesiger Center.

## Final Panhel Exec Board Position Filled, Goals For Upcoming Year Laid Out

By Nick Bushak  
STAFF REPORTER

The Panhellenic Association has selected Angela P. Wu '08 as the vice president of recruitment for the coming year, filling the last Panhel Executive Board position after it was left open in the original vote in November. The biggest challenge facing the incoming executive board is the move to fall recruitment scheduled to take place this year. Recruitment has taken place in the spring since 2002.

The new Panhel executive board will assume duty in early February.

As the new president of Panhel, Annika S. Larsson '08 says that her goals for the coming year include continuing improvement of relationships between sororities and both alumni and faculty. She has suggested instituting a faculty-member advising

program for each sorority, as a "way of getting professors involved and understanding what chapters do for campus."

Larsson also claims that "keeping up a good relationship" with the Interfraternity Council is important for the coming year, especially with the move to fall recruitment.

Teejana Beenessreesingh '08, the incoming executive vice president, also has a set of goals for the incoming executive board, including a greater outreach of Panhel members beyond the Boston community. "I feel that Panhel, being the biggest women's organization on campus can help to make a huge impact on the international level also," said Beenessreesingh.

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## Sleepless Puzzle-Solvers Hunt For Coin

Dr. Awkward Team Wins Mephistophelean Competition, Finishes Early Sunday Morning

By JiHye Kim  
STAFF REPORTER

"Nur einzelne Zahlen erlaubt!" This statement, which translates into the full name of Sudoku in German, was the title of one of over

100 mind-boggling puzzles that were used in this past weekend's annual MIT Mystery Hunt. Usually

held during the Independent Activities Period, it attracts a wide range of people including current MIT students, alums, and national puzzle champions, even those who are not a part of MIT.

The ultimate goal of the hunt is to be the first team to recover the famous Mystery Hunt coin, which typically cannot be achieved until every puzzle has been solved. This year, the Dr.

Awkward team recovered the coin on Sunday, Jan. 14 at 2:14 a.m. It is the team's first win since 2000, according to Eric Berlin, one of approximately 45 members of the winning team.

The puzzle that secured the win for Dr. Awkward was a puzzle that involved manipulating the answers from other puzzles in the law and

Mystery Hunt, Page 9



FRED GAY—THE TECH

Michael Fauntleroy Stopheles (Daniel J. Katz '03) shows off the 2007 Mystery Hunt coin in Hunt HQ on Sunday.

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## William H. Orme-Johnson

MIT NEWS OFFICE

MIT Professor Emeritus of Chemistry William H. Orme-Johnson, heralded for his four decades of contributions in the field of inorganic biochemistry, died Jan. 1 after a long illness. He was 68.

"Bill (called by all, O.J.) was a giant in the field of bioinorganic chemistry," said JoAnne Stubbe, Novartis Professor of Chemistry and professor of biology. "Contributions that his lab made in the mid '70s set the stage for many of the experiments carried out by the bio-inorganic community today."

A native of El Paso, Texas, Orme-Johnson received his BS and PhD from the University of Texas at Austin. He was a member of the biochemistry faculty at the University of Wisconsin at Madison for 15 years.

In 1980, Orme-Johnson joined the MIT faculty in the then-relatively new research area of biological chemistry; he was an MIT professor of chemistry for the next 18 years. Much lauded for his research, Orme-

Orme-Johnson, Page 10



# WORLD & NATION

## UN Says Aids Effort For Children Falls Far Short

By Lawrence K. Altman  
*THE NEW YORK TIMES*

Some countries are making progress in treating children with AIDS and preventing others from becoming infected, but the overall global response is “tragically insufficient,” UNICEF said Tuesday.

“Children affected by AIDS are now more visible and are taken more seriously in global, regional and national forums where they had received little consideration before,” the UN children’s agency said in a report. Better testing to find children with HIV, the AIDS virus, and simpler formulations of the antiretroviral drugs that combat the infection have increased the number of children under treatment, UNICEF said. Additional factors were lower prices for the drugs and improved skills among health workers.

But the overall statistics for children are grim, UNICEF found. It took stock of changes in 2005 and 2006, when the agency began a program to put what it called the “missing face” of children at the center of the world effort to halt and reverse the spread of the AIDS virus by 2015.

## Private Israelis and Syrians Write Plan in Secret to Return Golan

By Greg Myre  
*THE NEW YORK TIMES*

Prominent private citizens from Israel and Syria drafted a document in secret, unofficial talks that calls for returning the Golan Heights to Syria and offers a possible outline for peace negotiations, one of the participants said Tuesday.

However, the Israeli and Syrian governments dismissed the document, which was first described Tuesday in the Israeli daily Haaretz. They said they were not involved in the talks, which included sessions from September 2004 to July 2006 at undisclosed sites in Europe.

“No one in the government was involved in this matter,” Prime Minister Ehud Olmert of Israel said. “It was a private initiative.”

In Syria, Bushra Kanafani, a spokeswoman for the Foreign Ministry, told the Arab satellite network Al Jazeera that the Israeli report was “mere fabrication and a test balloon.”

Israel and Syria last held formal peace talks in 2000, when they appeared close to a deal to return most or all of the Golan Heights to Syria. But the negotiations broke down and the two countries routinely trade recriminations.

## Massachusetts Likely To Freeze Tax Exemption

By Andrea Estes Globe Staff  
*THE BOSTON GLOBE*

For the first time in four years, Massachusetts taxpayers will not receive a higher personal tax exemption in 2008 under current projections, a sign of a slowing economy that could force difficult decisions on Beacon Hill this spring.

Department of Revenue officials announced at a legislative hearing Tuesday that a freeze in the personal income tax exemption was likely. At the hearing, several economists predicted minimal growth in state tax collections next year, because of stagnant corporate profits and capital gains.

An increase in the exemption, which is triggered the year after a rise in tax revenue of at least 2.5 percent after inflation, would have saved individuals \$15 and couples \$29 and cost the state about \$60 million, according to an agency spokeswoman. Taxpayers have seen an increase for the last three years. Couples can now deduct \$7,700 and individuals can deduct \$3,850.

“We’re assuming it’s not likely the exemption will kick in,” said Revenue Department spokeswoman Jennifer Parent.

# UN Reports That Iraq Death Toll Topped 34,000 in 2006

By Sabrina Tavernise  
*THE NEW YORK TIMES*

BAGHDAD

The United Nations reported on Tuesday that more than 34,000 Iraqis were killed in violence last year, a figure that represents the first comprehensive annual count of civilian deaths and a vivid measure of the failure of the Iraqi government and American military to provide security.

The report was the first attempt at hand-counting individual deaths for an entire year. It was compiled using reports from morgues, hospitals and municipal authorities across Iraq, and was nearly three times higher than an estimate for 2006 compiled from Iraqi ministry tallies by The Associated Press earlier this month.

Numbers of civilian deaths have become the central indicator for the trajectory of the war, and are extremely sensitive for both Iraqi and American officials. Both follow the tallies, but neither will release them.

An Iraqi government spokesman called the count exaggerated, and said that it had been obtained using “incorrect sources.” Though the government closely tracks deaths

through the Interior and Health ministries, he said it did not have a system in place for compiling a comprehensive figure.

Despite the criticism from the Iraqi government, the United Nations said it used all official sources, most of which relied on counts of death certificates. The vast majority of Iraqi deaths are reported, at least to local authorities, so that Iraqis can prove inheritance and receive government compensation. Some deaths still go unreported, however, and the U.N. tally may in fact be lower than the true number of deaths nationwide.

As death tolls have risen, the lack of security has become the single most important barrier to success of the American enterprise here. The numbers of dead, at least at the Baghdad morgue, are running at double their number in 2005.

Underscoring the challenge, even as the United Nations released its figure — 34,452 deaths in all — at least 70 more Iraqis were killed on Tuesday when a series of bomb blasts struck a largely Shiite university in northeast Baghdad.

Violence between Sunnis and

Shiites, virtually unheard of in the early years of the war, has become the all-consuming driver of the conflict here.

Military commanders have acknowledged that they underestimated the seriousness of the sectarian killings, which took off across the capital after the bombing of a Shiite shrine in Samarra drew Shiites into the war. Before that, Sunni militants did most of the killing. Now, the capital is mired in violence, as the two groups fight bitterly over territory.

In the shootings, bodies surface days later in sewers and garbage dumps. The report said that most unidentified bodies were found in six neighborhoods of Baghdad, three Sunni — Dora, Rashidiya and Adhamiya — and three Shiite — Sadr City, New Baghdad and the hard-scrabble slum of Shuala.

“It’s important to identify the root cause of the violence,” said Gianni Magazzeni, chief of the U.N. Assistance Mission to Iraq’s Human Rights Office, which compiled the report. “Lack of accountability for crimes generates the urge for justice through armed groups.”

# Iraq Hangings Fuel Sunni-Shiite Sectarianism in the Middle East

By Michael Slackman  
*THE NEW YORK TIMES*

CAIRO, EGYPT

The botched hanging of Saddam Hussein and two lieutenants in Iraq by its Shiite-led government has helped to accelerate Sunni-Shiite sectarianism across an already fragile Middle East, according to experts across the region.

The chaotic executions and the calm with which Saddam confronted the gallows and mocking Shiite guards have bolstered his image among many of his fellow Sunni Muslims. But something else is happening too: A pan-Muslim unity that surged after the summer war between Israel and Hezbollah, the Lebanese Shiite militia, is waning.

And while political analysts and government officials in the region say the spreading Sunni disillusionment with Shiites and their backers in Iran

will benefit Sunni-led governments and the United States, they and others worry that the tensions could start to balkanize the region as they have in Iraq itself.

“The reality of the current situation is that we are approaching an open Sunni-Shiite conflict in the region,” said Emad Gad, a specialist in international relations at the government-financed Al-Ahram Center for Political and Strategic Studies in Cairo. “And Egypt will also be a part of it as a part of the Sunni axis. No one will be able to avoid or escape it.”

This changing dynamic in the region, described by many scholars, analysts and officials in recent days, is a result not only of the hangings, Iraq war and Lebanese political struggle. It has also been encouraged by Sunni-led governments like those in Egypt, Jordan and Saudi Arabia, and some Sunni religious leaders,

who have viewed with alarm the rising influence of Iran, the region’s biggest Shiite power. Some of the region’s Sunni-led governments and religious leaders used the hanging of Saddam on a Sunni Muslim holy day as a weapon in the jockeying for regional power.

“Sunni states are using this sectarian card to undercut Iran’s influence because they feel that Iran was able to penetrate the Arab world after the fall of Iraq, which was acting as a shield against Iranian influence,” said Marwan Kabalan, a political science professor at Damascus University.

Sunnis make up a vast majority of the Islamic world. Shiites, who lead Iran and now the Iraqi government, are the next largest sect. While there are theological differences between the groups — and similarities — the gathering conflict is not fueled by religion.

# WEATHER

## Winter Returns

By Jon Moskaitis  
*STAFF METEOROLOGIST*

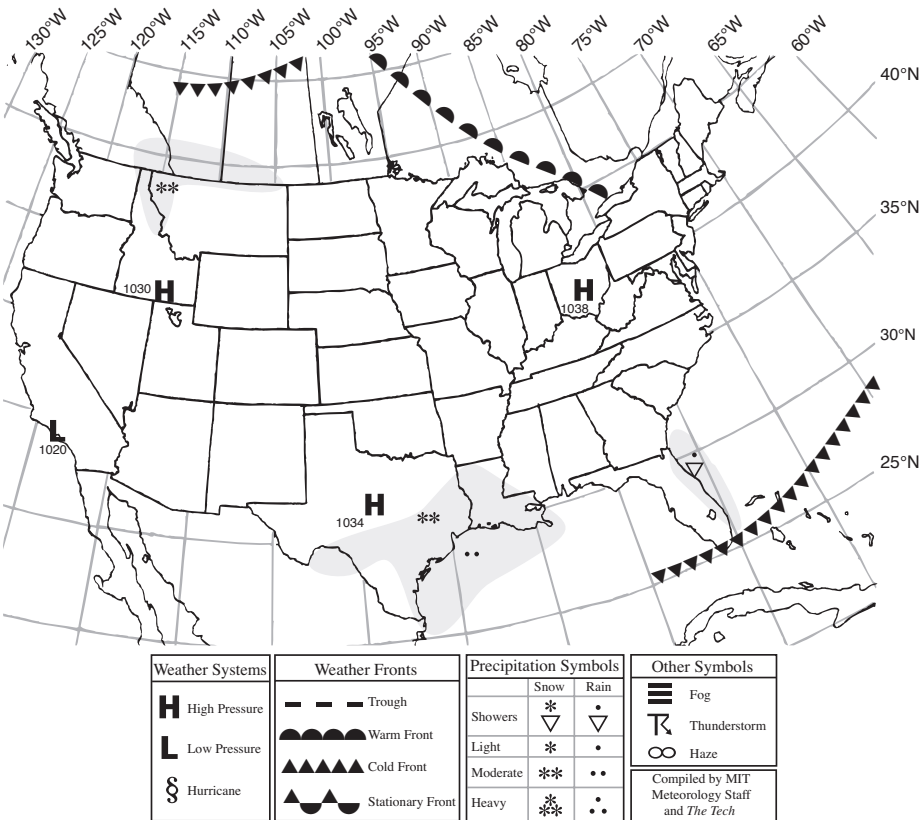
The cold front that passed through Cambridge yesterday morning was the first tangible result of a significant pattern change that appears to be taking place in atmospheric flow at the continental scale. For the past five weeks, the northern branch of the jet stream has kept Arctic air bottled up in the vicinity of the pole, allowing temperatures to rise above the climatological average over almost the entirety of North America. During this period, the mean temperature in Boston ran a full 10 degrees Fahrenheit (6°C) above the climatological average. But now the northern branch of the jet stream has moved into a position such that Arctic air tends to be exported southwards across North America. This basic pattern is expected to last for at least the next two weeks, leading to cold weather here for the rest of the month.

In the short term, the next round of precipitation is anticipated to arrive on Friday, in between two blasts of cold, dry air. Currently, it looks like this storm will bring mostly rain to the area, but situation bears watching, as small changes to the forecast storm track could lead to snow instead of rain.

### Extended Forecast

**Today:** Sunny, but cold and blustery. High: 19°F (-7°C)  
**Tonight:** Clear and cold. Low: 8°F (-13°C)  
**Thursday:** Increasing clouds, breezy. High: 32°F (0°C)  
**Friday:** Rain likely, then changing over to snow showers. High: 38°F (3°C)  
**Saturday:** Partly cloudy, windy. High: 30°F (-1°C)  
**Sunday:** Mostly clear. High: 26°F (-3°C)

Situation for Noon Eastern Standard Time, Wednesday, January 17, 2007



# Jury Selection Begins in Trial Of Cheney’s Former Chief Aide

By Neil A. Lewis  
THE NEW YORK TIMES

WASHINGTON

The perjury trial of I. Lewis Libby Jr. began Tuesday with his lawyers trying to eliminate as jurors anyone who might have strongly negative feelings about the Bush administration in general and Vice President Dick Cheney in particular.

Libby, who was the vice president’s chief of staff, is facing five felony counts charging that he lied to FBI agents and to a grand jury investigating who leaked the name of a CIA operative and why. Judge Reggie M. Walton, who is presiding over the case in U.S. District Court, has said he hopes to have the jury in place for opening statements on Monday.

The first day of jury selection on

Tuesday went slowly, with only nine potential jurors interviewed. Two of them were excused by Walton after they made it clear they were critics of the administration and Cheney.

One woman lasted barely 40 seconds on the witness stand before she was dismissed. She said “nothing that could be said here” would make her believe anything good about the administration. Another man, after about 15 minutes, acknowledged that his low regard for Cheney might figure into how he evaluated his testimony if it was in conflict with other witnesses.

Cheney is expected to be one of the star witnesses for the defense.

Libby’s lawyers, Theodore V. Wells and William H. Jeffress Jr., also explored whether potential jurors

were open to one of their main lines of argument: that if Libby gave incorrect answers to the FBI and the grand jury, it could have been a simple case of faulty memory.

They asked the potential jurors if they ever had the experience of believing something had happened only to learn later that they had remembered it incorrectly. They also asked if two people gave “different accounts of a conversation they had,” did that necessarily mean one of the participants was lying.

After the name of the CIA officer, Valerie Wilson — who was known by her maiden name, Valerie Plame — appeared in a column by Robert D. Novak in July 2003, Patrick J. Fitzgerald was named as a special prosecutor to investigate the leak.

## Obama Signals Intent To Join Democratic Presidential Race

By Jeff Zeleny  
THE NEW YORK TIMES

WASHINGTON

Two years after arriving in Washington, Sen. Barack Obama of Illinois made clear on Tuesday his intention to enter the Democratic presidential race, creating a fundraising committee while preparing to open a full-fledged campaign next month to become the nation’s first black president.

The announcement by Obama, his aides said, removed any doubt about his candidacy and ended weeks of speculation — fueled, in part, by the senator himself — that sent ripples through the ranks of other Democrats eyeing the presidential nomination. He said he would formally declare his intention to run on Feb. 10 in Springfield, Ill., the home of Abraham Lincoln.

Obama, 45, became the sixth Democrat to enter the prospective field. He is the only major candidate, at least among those from the Senate, who is not on record voting about whether to go to war with Iraq; when that vote was taken, he was in the Illinois Legislature, where he was a vocal opponent of the invasion.

“One thing that I’m convinced of,” Obama said Tuesday evening as he left the Capitol, “is that people want something new.”

## Russia Warns Citizens Of Possible Security Threat

By C.J. Chivers  
THE NEW YORK TIMES

MOSCOW

Russian intelligence officials placed the country on an unusual high alert on Tuesday night, appealing to citizens for vigilance and saying that the government had been informed by “foreign partners” of a possible terrorist act.

The warning was at once detailed and vague. Issued at the end of a 9 p.m. national news broadcast, it said that the National Anti-Terrorist Committee was checking information about a possible attack on public ground transportation or subway systems, but it did not specify in what city an attack was feared, or when.

It also did not identify the “foreign partners” who had provided the information.

The National Anti-Terrorist Committee is led by Nikolai P. Patrushev, the director of the Federal Security Service, or FSB, Russia’s domestic successor to the KGB.

The broadcast said Patrushev had ordered “anti-terrorist forces and resources to a state of increased readiness and to carry out preventive measures.”

An unidentified anti-terrorist official also urged that “the population take this information seriously, raise their degree of vigilance, render necessary assistance to law enforcement structures and, in the event of coming across what appear to be suspicious signs, to notify security and law enforcement agencies immediately,” according to Interfax.

# Texas Refinery Explosion Kills 15, Investigation Blames Management

By Heather Timmons  
THE NEW YORK TIMES

LONDON

An investigation led by former U.S. Secretary of State James A. Baker has concluded that weak leadership at BP and a lack of attention to effective safety helped create a dangerous setting that led to 15 deaths at the oil giant’s Texas refinery, according to the report released Tuesday.

Based on hundreds of interviews with employees, the 374-page report painted a layered picture of recurring neglect, avoidance and wrong-headed corporate directives that culminated in the fatal explosion at the refinery in March 2005.

The panel made 10 recommen-

dations, including the creation of an independent monitor to report to the company’s board over a five-year period. BP responded that it would carry out the 11-member panel’s findings.

The company’s departing chief executive, John Browne, denied that there were fundamental problems with BP’s structure or that a succession of problems were related. But he said he “has a responsibility to implement these findings” and a “moral responsibility” to make sure the company is improved.

Browne said last week that he would retire from BP in July, 18 months sooner than expected. He will be succeeded by Tony Hayward,

the head of exploration and production, who will face the challenge of trying to repair the company’s reputation with investors and the public.

The Baker report said that the company had fundamental problems in its “decentralized management system and entrepreneurial culture,” which left safety processes to the discretion of managers and did not define what was expected of them. Executive management was not held accountable for safety processes of the U.S. refineries, the report said.

Though the panel did not explicitly blame Browne, he was a key proponent of the entrepreneurial culture.

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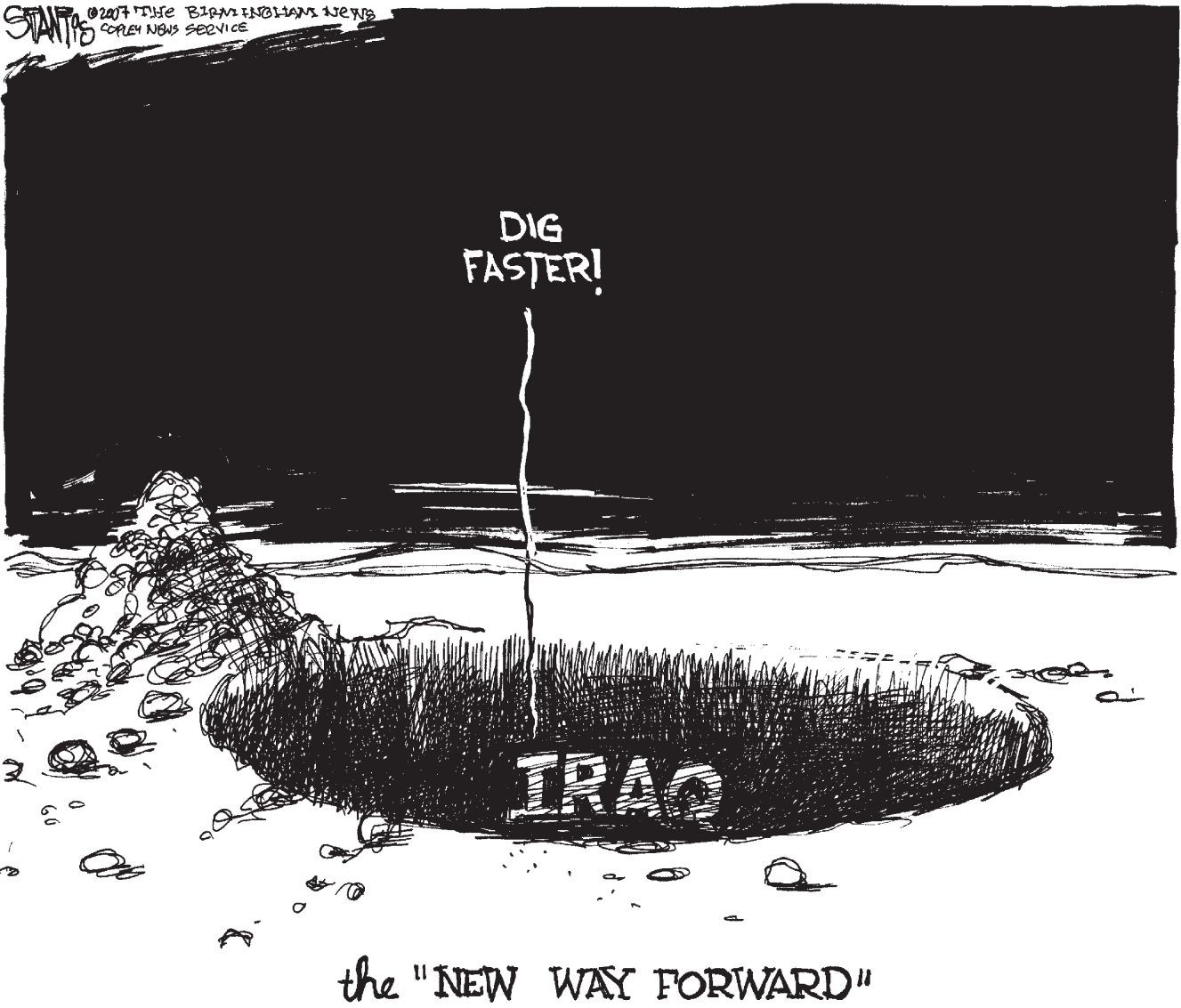
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# ARTS

## BOOK REVIEW

### *Awkwardness, Absurdity, and Humor in ‘I Killed’* *Up and Downs in Stories of Comedians on the Road*

By Jillian Berry  
ARTS EDITOR

*I Killed: True Stories of the Road from America’s Top Comics*  
Compiled by Ritch Shydner and Mark Schiff  
Crown Publishers, 2006

**I** *Killed: True Stories of the Road from America’s Top Comics*, compiled by Ritch Shydner and Mark Schiff, is a collection of more than 200 accounts that regale us with the horrors that a stand-up comedian can face on the road. From the foreword by Jerry Seinfeld, to the anecdotes of Larry David, Mike Myers, and Paul Reiser, this work includes some of the biggest names in comedy, and shows the long (and often scary) road each of them took to get where they are today.

When I first heard the premise of this book, I requested a copy immediately. I enjoy a good stand-up comedian, and I thought the back stories of such comedians would be interesting and entertaining. But while the compendium is entertaining on the whole, there are some cringe-worthy sections, and some long slogging. Since each comedian account is about a page, by the hundredth page, the pieces started to become repetitive, and I started to wonder how I could get through the next hundred pages.

Many of the stories have one of two formats. The first format involves the comedian playing a club in the middle of nowhere before getting drunk and having a one-night stand that either makes the ridiculously low payment worth it, or goes terribly wrong in some way. The other (slightly more interesting) storyline is that of the comedian playing in some area where a bad show does not result in just boos, but in physical violence that threatens the comedian’s life in some ridiculously over-the-top manner.

In both cases, I usually felt more embarrassed

for the comedian than entertained by the account. Furthermore, no matter what the tale, there was usually something about a heckler. While I appreciate that comedians despise hecklers, the rest of us do not want to hear about them over and over and over again. After about a dozen stories, I wanted to yell at the book, “All right, I get it, you don’t like hecklers. Now get over it and move on with your story.” The only thing that saved these stories was the comedic talent of the writers. Had the storytellers been any less talented, many of their stories would not only have been awkward, but on the edge of disturbing.

While many of the tales are formulaic and portray road comics as lost souls more sad than funny, some of the stories stood out, and there were enough to save the book from being 200 pages of pure awkwardness. In particular, Mike Myers’ account of his first time on the road had me laughing out loud. The story involves clothes he’s been wearing for days, a car with one headlight, a lot of alcohol, and a pack of wolves in a hilarious mix of absurdity. This is one of those tales that is so unbelievable, it can only be true.

The book also has a handful of sections that contain five to ten very short accounts related to one theme, including the troubles of getting paid and bringing parents to shows. These are often very funny, and show an aspect of road comedy more completely than the longer accounts.

While I now understand how incredibly difficult it is to become a comedian, this book did not make me want to quit school to become a comedian. Paying your dues takes on a whole new meaning here, but I am not sure I really wanted to know all the details. Although more often than not, I was either not amused or worse yet, I felt uncomfortable reading this book, some of the accounts were laugh-out-loud funny (which is impressive for any written work) and rescued this book from being too much of a loss.

## CONCERT REVIEW

### *A Celestial Night* *BSO Concert Features Planets, Asteroids, and a Star*

By Tanya Goldhaber  
STAFF WRITER

*Boston Symphony Orchestra*  
*Robert Spano, guest conductor*  
*Joshua Bell, soloist*  
*Tuesday, Jan. 9, 2007*

**T**he program of last Tuesday night’s Boston Symphony Orchestra concert featured two familiar favorites: Bruch’s *Violin Concerto in G-minor* performed by Joshua Bell, and Holst’s *The Planets*. The first piece in the program, *Ceres: Asteroid for Orchestra* by the contemporary composer Mark-Anthony Turnage, was less pleasant to listen to, but nonetheless conveyed a vivid image. Robert Spano was an effective guest conductor, although I didn’t agree with his interpretation at times.

Joshua Bell’s interpretations of standard repertoire have become more original as he has matured. In recent performances that I have heard, Bell had been drawn to flashy and speedy playing, which would not wholly suit the style of the Bruch Concerto. I was, however, very impressed with this performance of the Bruch, as it was musically as well as technically sound, although it featured a run of octaves at the end of the first movement that I’m fairly sure was not in the original score.

The Bruch Concerto is a standard piece in the violin repertoire, and is subsequently performed very often. Previous performances I have heard by violin virtuosos have subscribed to the “loud and fast” school of violin soloing, and I have found those performances to be ineffective and unmoving. I was pleasantly surprised when Bell began the first movement at a melodious and reasonable tempo. Bell’s tone was also smooth and passionate. Overall, the performance was filled with emotional musicality. In particular, I very much liked his rendition of the third movement, which is technically very challenging and subsequently tends to be overdone by soloists; Bell, however, did not fall into this trap.

*The Planets* is an emotionally powerful and


complex piece that is unusually difficult for an orchestra to prepare. The piece itself features the standard orchestral ensemble plus an organ, celesta, two timpani (not to mention a variety of other percussion instruments), and, for the last movement, female chorus. The piece is riddled with tricky rhythms and tempo changes that would frustrate almost any orchestra. The BSO performed *The Planets* with superb technical prowess. They were together, in tune, and really came together as an orchestra. Nonetheless, a majority of the performance was missing the emotional spark that would have made this performance of *The Planets* truly spectacular.

The performances of the Bruch concerto and *The Planets* also had a common flaw: the tempo was often too slow. While concertos such as the Bruch are often rushed, I felt that in this performance, the Bruch would occasionally drag a little bit, particularly in the first movement. *The Planets* has some very slow movements (Venus and Saturn, for example) but contrasting movements such as Jupiter should be lively and proceed at a good tempo. While the Jupiter movement did bring out a lot of musical intricacies, it was just not fast enough to convey the necessary energy.


The piece by Turnage was appropriate, given the celestial theme of the concert, but on the whole I did not find it to be a satisfying piece. According to Turnage, he was drawn to “the doomsday aspect of asteroids and the idea that the Earth could be destroyed by one any day.” While interesting, the musical representation of an asteroid colliding with the Earth, with its theme of destruction and chaos, is not necessarily pleasing to the ear; those sounds were not something that I would necessarily like to listen to again.

I would strongly encourage anyone to go see Joshua Bell perform, and I also recommend seeing a live performance of *The Planets* at least once. However, should *Asteroid for Orchestra* come to town again, it would not be a terrible thing if you missed it.

Not ULYSSES Grant



Not Hugh Grant



IT'S

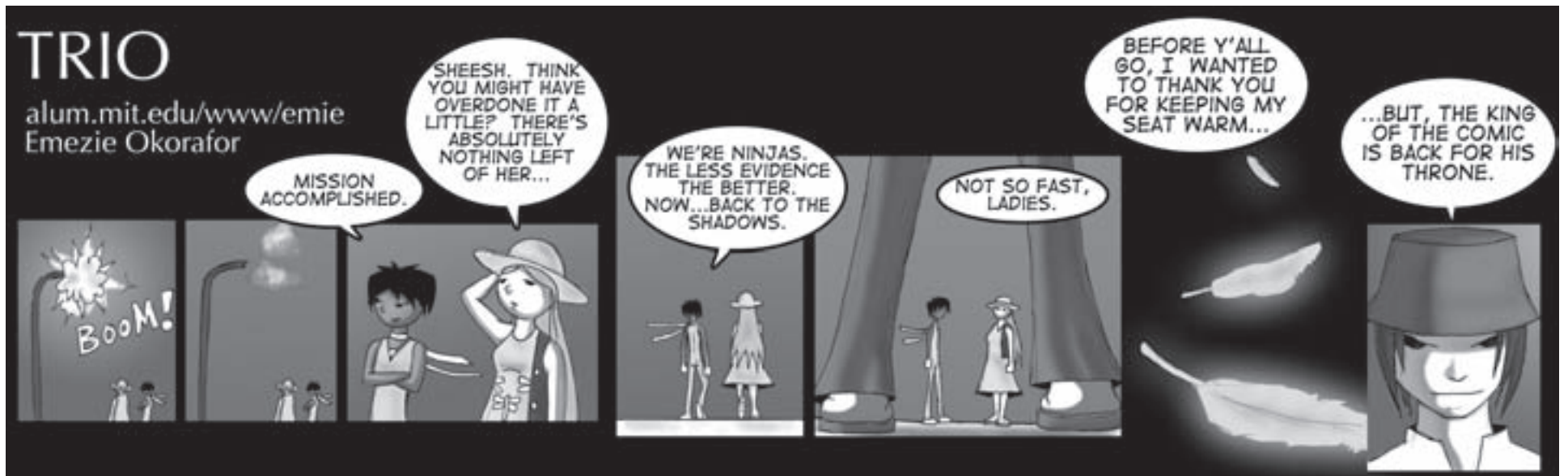
Council for the Arts

grant!

Application deadline: January 26, 2007  
Contact: Susan Cohen at [cohen@media.mit.edu](mailto:cohen@media.mit.edu)

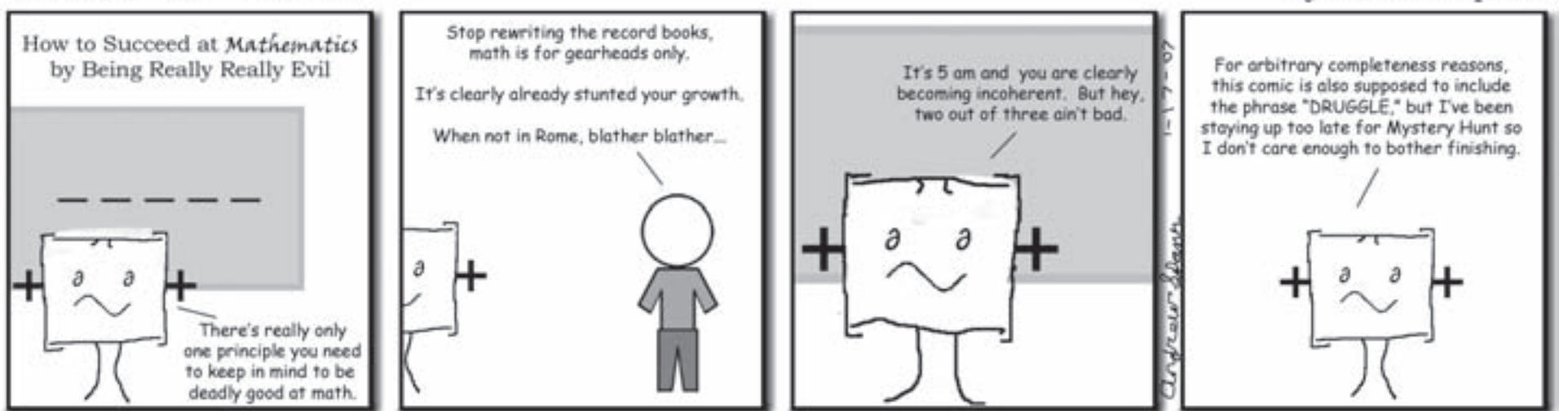
Application: <http://web.mit.edu/arts/do/funding/grantguide.html>





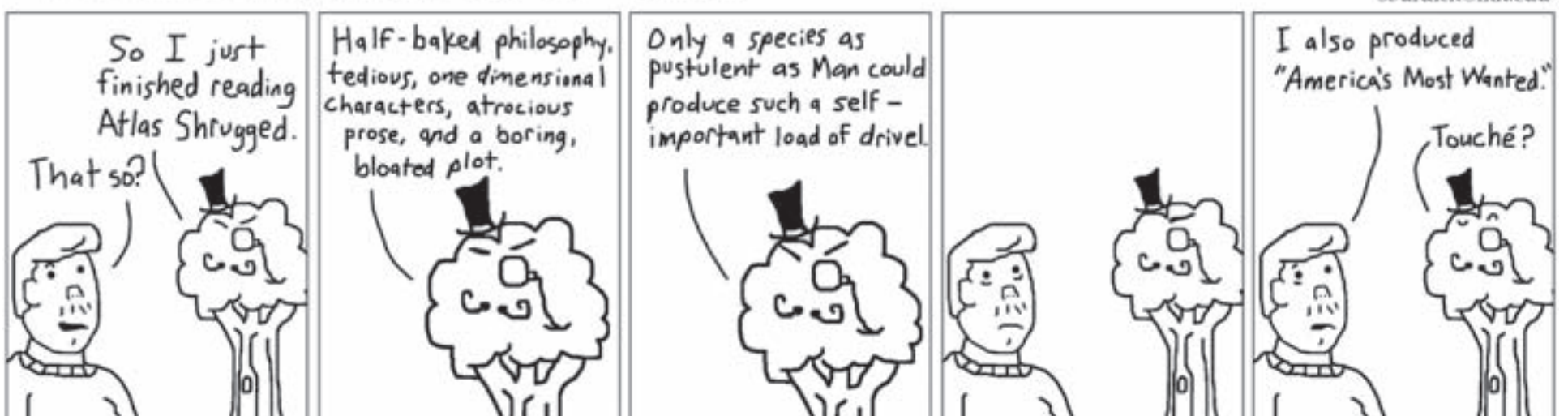
## PROOF OF FALSE

by Andrew Spann



## THE ADVENTURES OF MAN

By Scott Burdick  
sburdick@mit.edu



## Run Bug

by Perez-Franco



# Crossword Puzzle

# FoxTrot

by Bill Amend

Today's set of Foxtrot comics will be the last published in The Tech because Bill Amend, the creator of Foxtrot, is no longer doing daily publication. The comic strip will be replaced with the much-requested Doonesbury. Created by Gary Trudeau, Doonesbury chronicles – in part – the trials and tribulations of the character Alex Doonesbury as an MIT undergraduate.

*Marie Thibault, Editor in Chief*

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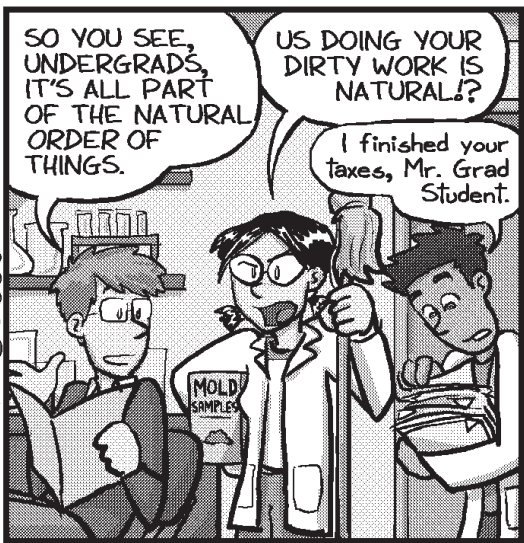
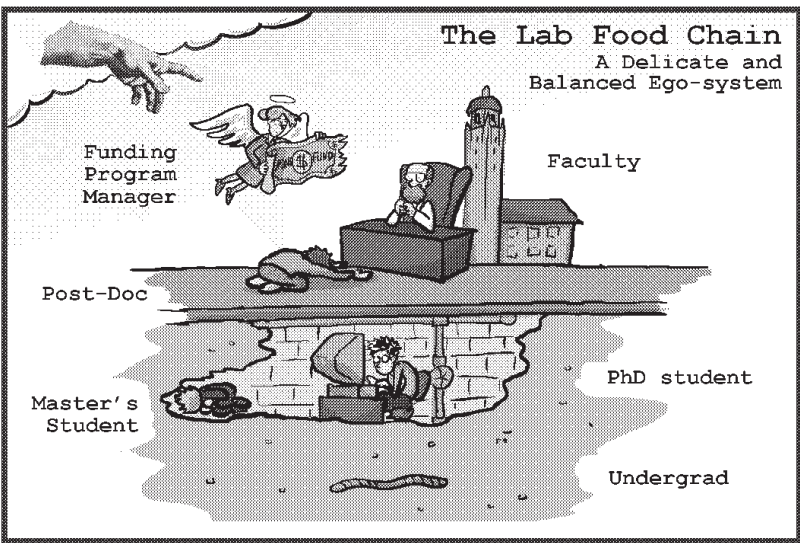
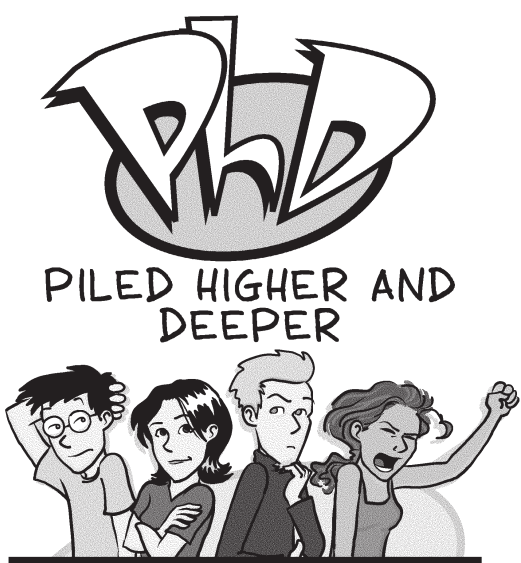
© Puzzles by Pappocom

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

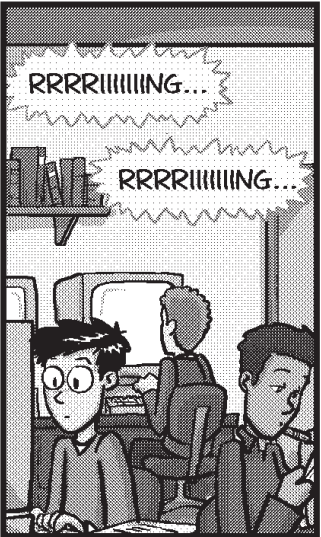
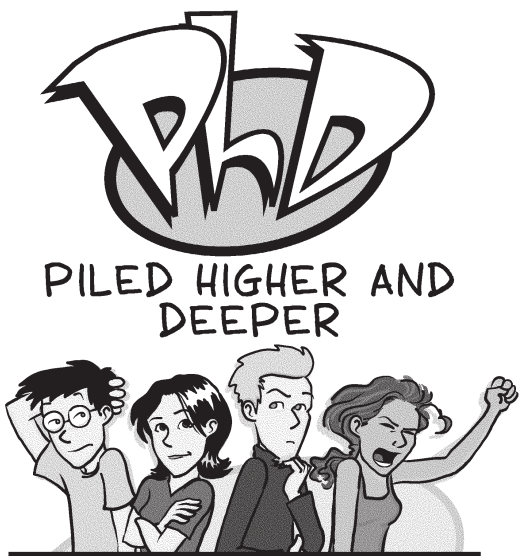
Solution, tips, and computer program at <http://www.sudoku.com>. See also solution on page 12.

A blank 10x10 grid. The grid is composed of 10 columns and 10 rows of squares. A 2x2 block of thicker lines is centered in the grid, dividing it into four 5x5 quadrants. The thicker lines are located at the intersections of the 5th and 6th columns, and the 5th and 6th rows. The remaining grid lines are thinner.





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Dilbert®

by Scott Adams



# Sleep Deprivation Common For Hunt Participants

Mystery Hunt, from Page 1

government category into United States state abbreviations and applying the order of the US Senate seating assembly.

Dr. Awkward was stuck on the puzzle for several hours. “The ‘Aha!’ moment was when someone on the team discovered that senators have assigned number seating in the assembly,” Berlin said.

Ready, set, go!

The kickoff, themed “How to Succeed at the MIT Mystery Hunt by Being Really Really Awesome,” took place on Friday, Jan. 12 at 12 p.m. in a packed Lobby 7.

Following tradition, last year’s winning team, The Evil Midnight Bombers What Bomb at Midnight, organized this year’s hunt for the mass of eager puzzle-lovers. In this lively crowd, many were seen toying with their Rubik’s Cubes or “warming up” with crosswords as they waited for the first puzzles to be released.

One such student was Jongjin B. Kim ’09, who was part of a small team in the hunt for just the fun of solving a few puzzles. “They have a whole bunch of hints thrown in, and you’re supposed to find out what the hell you’re supposed to find in the first place and then what kind of answer you’re supposed to get from that,” Kim said.

Once the puzzle Web site was activated, the teams scattered to their bases to hungrily attack the five displayed puzzles. Many teams tore down this batch in a couple of hours, which led them to a traditional runaround in search for the coin. Without much trouble, most teams located the coin at the entrance of the MIT Alumni Pool. However, to everyone’s dismay, the coin was not The Coin, but a penny!

Berlin, the assistant publisher of Penny Publications, explained how his veteran team was not fooled by this fake hunt for the penny. “We knew the hunt was not going to be five puzzles — that was not happening. So, we suspected from the be-



Dr. Awkward, led by team captain Scott Purdy (center), examines the coin after winning the 2007 MIT Mystery Hunt early Sunday morning.

ginning that it was going to be a fake or introductory hunt. We worked through it pretty quickly,” Berlin said.

Indeed, the co-captain of the Evil Midnight Bombers team, Daniel J. Katz ’03, revealed himself as The Devil, working under the name of Michael Fauntleroy Stopheles. Katz declared that the five puzzles were part of a “fake hunt” to lure them to him; as a result, the teams ended up selling their collective souls to The Devil for pennies. In order to retrieve their souls from Hell as well as to find the famous coin, The Devil challenged them to solve many more, much harder puzzles.

One major difference in this year’s hunt compared to previous years’ is the lack of a final runaround at the end of the hunt in search of the coin. The Evil Midnight Bombers team altered this year’s hunt to include the runaround in the middle of the hunt instead of at the very end. In the past, only the winning team participated in this coin search around campus. Once the coin had been found, there would be no reason for a runaround. This structural change made it pos-

sible for everyone to participate.

Frustrations and favorites

Associate Director of Admissions Matt McGann ’00 also participated in the hunt with the Simmons Hall team Lego My Ego, consisting of about 50 members. “We solved the initial five puzzles in the first hour of the Hunt,” McGann said. “We then ‘found’ the coin, opening up dozens upon dozens of further puzzles.”

As promised by The Devil, the new theme emerged as “How to Succeed by Being Really Really Evil” as teams were spiraled into Hell. Based on the infamous Seven Deadly Sins, the puzzles were categorized into several groups, such as performing arts, sports, crime, and mass manipulation. Each category had a certain number of puzzles and a meta-puzzle, which required the team to somehow combine all of the answers in one category to form a final answer.

Granted, with over 100 brand new puzzles to solve in a span of around 48 hours, many participants voluntarily sacrificed sleep. “I hunted noon until midnight Friday, slept midnight to 4 a.m., took a nap from 7 p.m. to

10 p.m. Saturday, then slept again at 10 a.m. Sunday, after the coin had been found,” McGann said.

Hard-core puzzle solvers like Berlin also had trouble in the sleep department. “First night, I intended to sleep. But I just couldn’t ... and ended up lying awake on my bed for three hours,” Berlin said. “The second night was worse — I went back to my hotel to rest because we were stuck on this one last puzzle for hours ... Forty-five minutes after I fell asleep, I got a phone call saying that they had solved it, so I hurried back.”

Spurts of brilliance were key to solving many infuriating puzzles. Elizabeth G. Lovegrove ’09 discussed her troubles with the puzzle “The Usual Suspects.” “A friend wandered into the lounge and I flagged him down. ‘Come help me ... I am completely stuck,’ I said. ‘I have no idea,’ he responded, and went to leave, then turned back and said, ‘Oh, you did notice that they’re all Clue cards, right?’ We finally solved it 15 minutes later,” Lovegrove said.

Even though such difficult puzzles frazzled many teams, everyone also had their favorites from the weekend.

“Of the ones that I solved, the pirate-themed one ... and the one where they had us reassemble haikus — that was a cute one,” Berlin said. “For a puzzle to be fun, it doesn’t have to be one of those ‘brainbuster’ ones.”

Danbee Kim ’09 and Sarah P. Slotznick ’09, two members of the Piranhas in the Bathtub, MIT’s official Musical Theatre Guild Mystery Hunt team, had a great time with one of the performing arts puzzles titled “Encore! Encore!” It featured subclues of actors who participated in MIT drama productions in all theater groups. “It was awesome that we could use names off our programs!” Kim and Slotznick said.

The sleep deprivation ends

The wrap-up event held on Sunday, Jan. 14 at 5:30 p.m. consisted of the Evil Midnight Bombers team explaining some of the more painful puzzles and opening up the floor for audience input. Many teams shared funny stories about their wild weekend adventures as well as their frustrations.

One of the puzzles that participants enjoyed was “D4: Ducks Playing Poker,” which instructed teams to put a “live duck in the center” and use it to start the game of poker. Jennifer M. Braun ’02, co-captain of the Evil Midnight Bombers team, talked about how several confused people called in about this “live duck” deal. “One team sounded genuinely concerned that they didn’t have a live duck,” Braun said.

The least solved puzzle was titled the “Squad Car” under the crime category. It involved a series of lengthy cryptograms, which eventually spelled out the ironically short answer “Domino.”

The Mystery Hunt dates back to 1980 with MIT student Brad E. Schaefer ’78. After he left the Institute in 1983, the tradition of passing down the right to organize the following year’s hunt to the winning team began.

For the full list of this year’s puzzles and solutions, go to <http://web.mit.edu/puzzle/www/07/puzzles/>.

## Squidger and Squop — Tiddlywinks Make the Pot



Tiddlywinks has been a tradition at MIT since the formation of the MIT Tiddlywinks Association (MITTWA) in 1966. This past weekend MITTWA held a tournament to revive interest in the game.

Tiddlywinks requires using a large plastic disc, or squidger, to knock a smaller colored disc, or wink, into a cup, or pot. Players will sometimes squop, or cover their opponent’s winks with their own, rendering the opponent’s wink unplayable. More information about the game can be found on MIT alumnus Richard Tucker’s ’80 website, <http://tiddlywinks.org>.



Clockwise from left: Matthew Fayers, an MIT post-doctoral fellow who learned the game in England, steps in to referee a game. With the help of a blue penlight, Fayers determines which winks are squopped.

A tiddlywinks player carefully lines up his squidger for a precision shot.

Gregory C. Durrett ’10 squops an opponent’s wink to stop it from being potted.

Photography by Samuel E. Kronick





# Former President Reminiscences About Early Life, MIT

By Jiao Wang  
STAFF REPORTER

*Professor of Electrical Engineering and President Emeritus Paul E. Gray '54 started his career at MIT as an undergraduate student in Course VI in 1950. Through the years, he has served the Institute in a number of positions. He rose to become the 14th president of MIT from 1980-1990 and chairman of the MIT Corporation from 1990-1997. Since then, he has continued to teach undergraduate classes and to advise undergraduate students. This fall marks his 50th year of service to MIT.*

*The following is the first of a two-part interview in which Gray reflects on his early interest in science and his experiences at the Institute.*

*The Tech:* Describe some memorable moments of childhood.

*Paul Gray:* I was an only child. I was born in the depths of the Depression and most families in those years had only one child. I have two cousins, one on each side of the family, although I was only in contact with one of them when I was young.

My family, from when I was about five or six years old until when World War II started in 1941, when I would have been nine, spent most of the summers at a place in Manasquan on the shores of north New Jersey and I had wonderful memories of the ocean and time spent in the ocean. I was in the water from morning until night almost every day in July and August.

What else? As I said earlier, I was born in north New Jersey and my fam-

ily lived in East Orange, New Jersey, until I was about 10 years old in 1942. That year, we moved to Livingston, New Jersey, into a new house, a house that they had built for us, which was very exciting.

We had lived in East Orange in a two-family home. We lived in the first floor and somebody else lived on the second floor in a very urban setting.

*“As a kid, I was interested in making things and particularly interested in things that had to do with electricity and electronics.”*

*—Paul E. Gray '54*

To move to what was then a “truck-farming community” with very little population was exciting. It was a totally different experience.

As a kid, I was interested in making things and particularly interested in things that had to do with electricity and electronics. All amateur radio operations were shut down during the war. As soon as the war ended, I studied for my license exam and I went to New York on the train one day and got licensed as an amateur radio operator within weeks after the war ended.

*TT:* Describe some people who influenced you early on in life.

*PG:* Well, certainly my parents, and particularly my father. He was born in 1900 and my mother in 1902. It was common for people born in that era to drop out of school to start jobs, which my father did after junior high. My mother finished high school. My father worked almost all his life for a public utility, Public Service Electric and Gas in New Jersey on the electricity side.

There was one particular teacher in high school who had an enormous influence on me. Her name was Emily Morford, and I had her for four years of English. She was a very demanding, fair, and wholly committed teacher and I learned a lot more from her than how to read and write English with some clarity. I read all the time.

When I applied to college, I knew I wanted to study electrical engineering. I applied to three places: MIT,

[Rensselaer Polytechnic Institute], and Yale. At that point, Yale had quite a good engineering school. RPI offered me quite a lot of money, Yale offered me some money, and MIT didn't offer anything at all. I was all set to go to Yale. I told Mrs. Morford this, why my family and I had come to that conclusion, and she sat me down and said, “You are crazy. If you want to be an engineer, you better go to MIT and forget about these other places.”

I took that advice. My parents managed to pay for it the first year. I worked summers and part-time during the year. After the first year, I began to get financial support from MIT, which was very substantial in the last three years.

*TT:* Did Mrs. Morford support your decision to become an educator later on?

*PG:* Yes. She was in her fifties when I was a student. By the time I became a faculty member 15 years later, she was retired. But she lived long enough to know that I was elected president. She was not able to come to the inauguration because she was in her nineties at that time and was quite frail, but we had a telephone conversation and she was very pleased.

*TT:* Did you initially intend to be an educator?

*PG:* No. When I came here, I thought I would get my MIT education and then go to work in industry somewhere. I did the four years and over the summers I worked at Bell Laboratories and other places. My wife-to-be was one year behind me in college, so I stayed for another year at MIT in graduate school and did a master's degree. In the 1950s, you could do one in one year.

*TT:* You did that because of her?

*PG:* Yes, we planned to be married after she graduated. When I left MIT for the first time, I was commissioned in [the Reserve Officers' Training Corps]. We got married in the summer between the time I finished the five years and the time I served on active duty in the army. I did job interviews that fifth year and had offers in Bell Labs, RCA Labs and IBM. I accepted an offer from RCA with the mutual understanding that I was going to take military leave in September to be on active duty for two years.

I was in a branch of the army called the Army Security Agency, a branch which no longer exists. It was then doing what the National Security Agency does now, that is, seeing what

could be learned by listening to the communications of the folks on the other side of the Iron Curtain, which was a big issue at the height of the Cold War in the 1950s.

I was sent to Fort Devens here in Massachusetts for five months of training from September to January. There were just three universities in the United States that had an Army Security Agency branch: MIT, Texas A&M, and University of Michigan.

There were two ways you tried to understand what the other folks were saying. One was through “traffic analysis,” where you looked at patterns of communication: who talked to whom, how frequently, how do the patterns change over time. You cannot understand what they are saying, but you try to figure out what you can from the patterns. The other, which is no longer possible, is through cryptanalysis, where you try to decode what they are saying to each other. The codes that are used now are essentially unbreakable.

I was being trained as a traffic analyst. It was clear halfway through the program that there were only a couple of really good assignments — by really good, I mean with which you could live in a fairly civilized way and take your wife — and these were assignments to a field station in West Germany. Turkey, Japan, South Korea, and other places where the army was interested in listening to what the Soviets were saying to each other did not permit wives to accompany the men.

It also became clear early on that assignments were made on the basis

*“When I left here in 1955, I never wanted to see the inside of the place again.”*  
*—Paul E. Gray '54*

of class rank. It was not a difficult program of study, and I ended up being first in the class. I got my desired assignment and we got orders saying that in three weeks we were to proceed to West Germany. My wife quit her school teaching. We made arrangements to sell our car and told the landlord we were leaving. About two weeks later, we got revised orders,

which said, no, the Army decided you will not go to West Germany, you will stay here and teach. So we unsold the car. We continued to rent the house and my wife got her job back. We stayed in Fort Devens for the rest of my active duty time, which was two years.

I taught enlisted men for the most part. I taught GI's how to operate and maintain what was then fairly sophisticated electronic equipment. They were all men in those days. There were no women in the army. That was my first experience in teaching.

When I left MIT after five years, I took the job at RCA and worked there June, July, and August before I went into service and took military leave. When I left here in 1955, I never wanted to see the inside of the place again. I was just right up to nose after five years of full time study.

*TT:* Why?

*PG:* It was just five years of unrelenting hard work and I had enough.

*TT:* Do you think most people feel that way after four or five years?

*PG:* I think a lot of people do. IHTFP has its believers. I didn't hate it, but I had enough. I thought I was going to go into the army, do my service to Uncle Sam, go back to RCA Laboratories, and work in a research laboratory. Being away from MIT for a couple of years, I found out that I really learned quite a lot here and that it was really quite useful to me. The experience of teaching in that kind of setting was satisfying. It was very different from teaching at MIT. Teaching in the Army is a setting where there are very strict lesson plans. You covered certain material in each lesson and had little flexibility in what you had to teach and how you were going to teach it.

After a year-and-a-half away from MIT, I mellowed a little about the place and thought, well, if you are really interested in a career in teaching, you better go back and get some more education. So I applied to go back to MIT in the fall of 1957 when I got out of the Army. The fall of this coming year will mark fifty years of my employment here.

*TT:* Were your MIT years fulfilling?

*PG:* Yes, oh yes. I told you earlier that when I left after four years, I had it up to my nose and I was glad to leave, but the excitement of being here and the excitement of learning so much was fulfilling, no question.



TECH FILE PHOTO

Paul E. Gray '54

## Subway to Open in Lobdell in Fall

Dining, from Page 1

lin as a great opportunity for MIT. Au Bon Pain is “a solid brand, very popular in Kendall Square and Central Square,” Berlin said. The menu includes sandwiches, bagels, muffins, soups, salads, pastries, coffee, and other beverages, Wilson said.

According to Berlin, Au Bon Pain was placed in the Zesiger Center because a food service location was already available there.

Nina Kim '09 said that the Au Bon Pain “is not necessary, but it would be nice after skating with your friends or working out to get something to eat on the spot.”

### Lobdell undergoes changes

Construction for the new Subway,

which began this week, “shouldn't take more than three weeks,” Berlin said. Subway will be open from 7:30 a.m. until 11 p.m.

Based on a dining survey conducted last fall, Campus Dining is considering a Thai restaurant to occupy the fifth Lobdell location. Berlin is currently working with Chef Mai Phan on setting up the Thai location.

“I met [Phan] at a conference and she was very excited about working with us to set up a noodle restaurant,” Berlin said.

Phan owns Lemon Grass, a well-known Thai restaurant in Sacramento and writes a food column for the *San Francisco Chronicle*.

“Some students have been asking for a Starbucks in the Student Cen-

ter,” Berlin said, but since there is already a Dunkin' Donuts on the first floor of W20, “a lot more coffee stuff doesn't seem like a good idea.”

Berlin does not have any definite plans for future dining projects yet. “It depends on how the campus demographics grow,” Berlin said. “We bring the food where the people are.”

He said he is considering expanding the Bio Cafe located in Building 68 once the Center for Cancer Research is built. The Center for Cancer Research will be located between the Ray and Maria Stata Center and Building 68. Replacing the Refresher Course deli, located in Building E52, is also a possibility, Berlin said, after the new Sloan School of Management building is completed.

“Bill was an extraordinary scientist, a wonderful friend and colleague and a great housemaster to the students in Bexley Hall,” said John M. Essigmann, MIT professor of toxicology and chemistry.

In 1992, Orme-Johnson taught an MIT Independent Activities Period class, “Applied Chili Chemistry,” that was so enthusiastically received that a second section was formed.

Orme-Johnson is survived by his wife, Carol, a former MIT assistant dean; three daughters, Ruth Orme-Johnson and McGhee Orme-Johnson and Dolly Orme-Johnson; and brother and sister-in-law David and Rhoda Orme-Johnson.

Biochemistry published a special issue dedicated to Orme-Johnson in recognition of his contributions. The articles were written by Orme-Johnson's former students and collaborators and included an appreciation written by Jack Peisach, professor in the Department of Physiology and Biophysics of the Albert Einstein College of Medicine.

For nine years, Orme-Johnson served as a housemaster at Bexley Hall, and he was active in the Institute on Religion in an Age of Science, a non-denominational, independent society that works for a positive relationship between science and religion.

## Chemist Was Former Bexley Housemaster

Orme-Johnson, from Page 1

Johnson co-authored 69 papers in professional journals and held a patent on a scientific procedure.

“Orme-Johnson was one of the first groups to apply rapid freeze quench methods. ... He was the first lab to apply ESEEM (electron spin echo envelope modulation) spectroscopic methods to map out the active site of steroid cytochrome P450 systems using deuterated steroid substrates,” Stubbe said. “He was one of the first to realize that complex bio-inorganic cofactors were assembled by complex biosynthetic pathways.”

In 2002, the Journal of Inorganic

## Fall Recruitment Issue For New Panhel Board

Panhel, from Page 1

Beenessreesingh would also like to set up programs with the Public Service Center for the “improvement of deprived women and children be it in shelters in Boston or in deprived countries.”

Panhel executive members including Yi Zhou '09, the incoming vice president of programming (also a *Tech* news staff reporter), have also mentioned the goal to grow Junior Panhel, a “mini-Panhel” designed to introduce 10 elected new members to the operation of Panhel.

However, according to current president Shannon N. Nees '07, one of the greatest challenges faced by the new Panhel exec board is the move to fall recruitment next year, since there would be less time to plan and less time for sororities to get in touch with incoming freshmen.

Caroline J. Barker '08, the incoming vice president of recruitment programming, said “I have a year's worth of work to do in one term.”

Originally, a sophomore was selected to fill the VP of Recruitment position. However, delegates from the chapters voted to not approve the appointment, leaving the position open. According to Nees, they were looking for someone with more years of recruitment experience, especially with the move to fall recruitment around the corner.

Wu, who was previously the Pan-

hel representative for her sorority, was selected Dec. 10, after the delegation of Panhel representatives voted to approve her appointment. Nees would not comment on why Wu was selected over the other candidates, since the selection process is confidential.

Wu had not originally applied for the VP of Recruitment position. She applied for the position when she heard that applications were being accepted again because she wanted to make fall recruitment a reality.

According to Wu, some of the greatest challenges with the move to recruitment in the fall involve “finding ways to reach girls” and “getting the word out” before they arrive on campus. Another challenge is dispelling “TV myths” about sororities quickly, since freshmen will have been on campus for only a couple of weeks.

Beenessreesingh said that she has proposed a fall transition committee headed by the executive VP and the VP of Recruitment. She said that “there will be a representative from each sorority to ensure that every sorority's recruitment happens in the most productive and fair manner.”

Another complication presented by the move to fall recruitment involves new member educators, who will have to educate two new member classes this next year. Beenessreesingh claims that Panhel will work “to make this process as smooth as possible.”

Yicong Liu '09 is the incoming vice president of finance and record.



# Cut in Student Loan Rates Proposed Fri. By House Democrats

By Diana Jean Schemo  
THE NEW YORK TIMES

WASHINGTON

House Democrats on Friday unveiled a bill that would cut interest rates on federally subsidized loans to college students by half over the next five years.

They said they would finance the \$6 billion measure by increasing costs that lenders pay to the government and reducing the largest lenders' government-guaranteed profits.

The bill, one of half a dozen that the new House majority had placed on its 100-hour agenda, underscores the Democrats' all-out effort to consolidate gains made in November among middle-class voters.

"How to pay for a college education has become a primary concern for students and families across this country, a concern that Congress must urgently address as part of our goal of strengthening America's middle class," said Representative George Miller, chairman of the House Education and Labor Committee.

The measure is expected to pass in the House, where it is scheduled for a vote tomorrow. Its future in the Senate is less certain, although the concept behind it is supported by Democratic leaders there, including Edward M. Kennedy, chairman of the education committee, who is planning to introduce a similar bill.

House Republicans, who in trying to contain college costs have focused in recent years on restraining tuition increases, complained Friday of being shut out of the process of writing the new bill and said they would offer amendments before Wednesday's vote.

"I'm hopeful we can work in a bipartisan way to build upon it, including with reforms that actually make college more affordable and more accessible for low- and middle-income students," said Representative Howard P. McKeon of California, the ranking Republican on Mr. Miller's committee.

That theme was echoed at the White House. Blain Rethmeier, a spokesman, said the Bush administration would support efforts in Congress to ease students' burden, but added that "colleges have the central role to play in ensuring access to affordable higher education."

Student debt has grown exponentially in recent years, in tandem with college costs that routinely outpace inflation. The average college student now graduates with nearly \$18,000 in debt. The Democratic proposal would benefit many such students: the 5.5 million a year who receive subsidized Stafford loans.

The measure unveiled Friday would make good only in part on Democrats' campaign promise to halve the interest rates on student loans. Democrats had never said that the cut would not fully take effect until 2012 or that the pledge applied only to subsidized Stafford loans.

Unlike Pell grants, which go to students with family incomes under \$40,000, Stafford loans are also tapped by middle-income students. Some 75 percent of students holding Stafford loans come from families with household incomes under \$67,000, just above the median income for a family of four, which is \$65,000, said Luke Swarthout, advocate for the U.S. Public Interest Research Group Higher Education Project.

The bill would cut the interest rates on subsidized Stafford loans for undergraduates — loans to graduate students would not be affected — to

3.4 percent from the current rate of 6.8 percent, in stages. The first reductions would affect new loans made after July 1.

According to the Project on Student Debt, a nonprofit group, the bill would save a student who graduates from college with \$20,000 in debt about \$4,000 over the 10-year life of a loan.

Under the program of subsidized Stafford loans, the government guarantees lenders a rate of return that can be higher than the interest rate paid by the student. In trying to finance their proposal, House Democrats decided that for the largest lenders, the bill would lower that rate by 0.1 percentage point. It would also raise fees that lenders pay to the government, and cut payments that lenders receive if a student defaults.

While applauded by student advocacy groups, the bill drew immediate criticism from the student loan industry, which complained that it had already absorbed \$12 billion in reduced payments from the government as part of a larger, Republican-led deficit reduction effort last year.

"What we're really seeing is Peter being robbed to pay Paul," said Tom Joyce, a spokesman for Sallie Mae, the nation's largest holder of student loans. "When you continue to cut and cut again, eventually who you're hurting is not the banks but the students and the parents themselves," said Mr. Joyce, suggesting that such reductions would ultimately impair services to borrowers.

Mr. Swarthout, of the Higher Education Project, called the bill "a good first step to making college more affordable." He added, "It will save millions of students thousands of dollars on their debt." He said that by showcasing the issue in its first days in power, the new Congress was sending a strong signal to student borrowers, and creating high expectations among them for further aid.

"You cannot put college affordability as a top agenda item and then walk away after cutting interest rates," he said.

While Democrats in the Senate have embraced the goals of halving interest rates, action there will not be as swift as in the House. Melissa Wagoner, a spokeswoman for Mr. Kennedy, said committee hearings would most likely begin on Jan. 25.

Mr. Kennedy's bill would phase in similar cuts in interest rates not only in subsidized Stafford loans but also in another loan program. It is broader than the House bill in other ways as well, raising Pell grants to a maximum of \$5,100 a year, from \$4,050.

Katherine McLane, a spokeswoman for Education Secretary Margaret Spellings, said Ms. Spellings supported an increase in the Pell grants.

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20.104 Chemicals in the Environment: Epidemiology, Toxicology and Public Health  
(Same subject as 1.081, ESD.053J)  
William G. Thilly and Robert McCunney  
[thilly@mit.edu](mailto:thilly@mit.edu)  
[mccunney@mit.edu](mailto:mccunney@mit.edu)

Prereq: 5.112 or 3.091, 7.01x  
Units: 4-0-8  
Lecture: Tuesday and Thursday T3-5 (56-180)

Relationships between exposure to occupational and environmental chemicals and radiation and risk of human disease. Analysis of U.S. historical data to delimit the historical timing of changes in environmental risk. Analysis of statewide community data to explore the concept of local environmental risks. Basic biochemistry and population genetics of inherited risk factors in drug metabolism, DNA repair and tumor suppression. Potential role of exogenous agents in tumor initiation and/or stimulation of pre-cancerous growth. **New this spring:** a series of occupational case studies presented by the former president of the American College of Occupational and Environmental Medicine and editor of the text "A Practical Approach to Occupational and Environmental Medicine".

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Chairman Zachary  
Ozer a happy 22nd  
birthday!



# MBA Graduates Finding Better Employment Climate

**By Carolyn Said**

THE SAN FRANCISCO CHRONICLE

SAN FRANCISCO

They carry stacks of resumes, wear sober suits and keep their cell phones and laptops perpetually at hand. They are primed with thoughtful answers for any question. Now they're descending on the Bay Area in an annual quest for summer internships and full-time jobs.

Flocks of MBA students from East Coast schools headed west this month, hoping to land jobs in the beating heart of the tech world. This year, many said, the uptick in the economy has given them new confidence that their trek will result in multiple offers as companies vie for good candidates.

It's quite a turnaround from just a few years ago, after the dot-com bust.

"Overall, things seem to be booming. (Job prospects) seem absolutely fantastic compared to my undergraduate experience," said Chris Johnson G, 26, a first-year MBA student at the MIT Sloan School of Management. He was one of 85 students from the Cambridge, Mass., school touring

Silicon Valley companies such as Yahoo and Google.

"I graduated (from college) in 2002 when there was not a job to be found, especially in the startup world," Johnson said. Now, he's noticed that many companies are actively wooing the visiting students, touting their internship programs and perks.

Statistics bear out the anecdotal reports that the job market for business students is heating up.

Employers plan to hire 22 percent more newly minted MBA graduates this year than they did in 2006, according to a survey conducted by the National Association of Colleges and Employers. That's even more aggressive than their plans to hire new four-year grads, where they project a 17 percent increase.

Chuck Pappalardo, managing director of Trilogy Search Venture in Burlingame, does his head-hunting at a higher level. But he said the demand is strong for the top executive positions he fills, which bodes well for more entry-level managerial jobs.

“When executive hiring is moving fast, it’s a good indication that hiring

below is strong as well," Pappalardo said. "I think the job market for (new MBAs) is really strong. Right now we're experiencing another pull for highly skilled people. Those graduating will find a significant amount of opportunity and a pretty good pay range as well."

The demand for employees ex-

*Employers plan to hire  
22 percent more newly  
minted MBA graduates  
this year than they did in  
2006.*

tends beyond people with advanced business training. The national labor market is also strong. This month the Labor Department reported that employers added 167,000 jobs in November. The national unemployment rate is a low 4.5 percent.

For MBA graduates, the job market has rebounded to such an extent that career counselors at business

schools say they have to fend off eager-beaver employers from recruiting too soon.

"We had to set strict guidelines about how soon employers can come to campus to recruit," said Stephen Rakas, associate director of the career opportunities center at Carnegie Mellon's Tepper School of Business in Pittsburgh. "We don't want students hit on their first day on campus when they're still trying to buy their books."

He and other counselors said they don't allow recruiters to make presentations until after students have had some time to acclimate to classes.

Carnegie Mellon joined with business programs from Yale, Vanderbilt and the University of North Carolina in a West Coast trip for students centered on one-on-one job interviews with 16 West Coast companies, as well as tours of companies such as Apple and Intel.

"The pendulum is definitely swinging back to students," said David Tambling, a planning and reporting controller at Santa Clara's Agilent Technologies who was interviewing MBA students from the four East Coast business schools at a San Francisco hotel. "We have to go to more schools and be more aggressive" to recruit good candidates.

Similarly, Tanvi Shah, a technical recruiter for Seattle's RealNetworks who was interviewing candidates in San Francisco, said: "We're fighting for good candidates to entice them with really good compensation packages, sign-on bonuses and stock options."

At many schools, almost half the

MBA graduates go into management consulting or investment banking and financial trading. Students hunting in the Bay Area tend to be focused on the tech industry and on specialities such as product management, marketing, operations and financial analysis.

While no school can guarantee that its graduates will find jobs, top business schools invest considerable resources in preparing their students for the job hunt.

The ratio of career center personnel to students is better than the ratio of professors to students at many public universities. Vanderbilt, for example, has a staff of eight in its career center for a business school with 375 students.

Schools offer classes on resume preparation, mock interviews, cover letters, networking and other career strategies. They bring recruiters to campus and they take students to recruiters — as on the Bay Area field trips.

Kate Blanchard, a first-year MBA student at the University of North Carolina, said the quality of career services was a major factor in selecting which school to attend.

"When I visited schools, I talked to the career center people," she said. "I wanted to see which career center could provide the most opportunities post-graduation."

She's impressed with North Carolina's career services. "They help you bridge your MBA with your background to get a job you're happy with," she said. After seven years in management consulting, she now hopes to get into strategy and finance.

[illegible]



# Additional Channels Well Received, ESPN Not Offered in Cable

Cable, from Page 1

those packages and now we can offer all of the channels rather than just a few," Miller said.

The student response to the new channels has been generally positive. "It makes me feel like MIT loves us a little more," Arup Sarma '08 said. "Although I know a few people who are upset about the lack of ESPN."

That sports network, which has consistently come in at the top of cable television surveys, is not available to students.

"We're aware of the demand and are still working on a solution," Winchester said.

Previous cost estimates have ranged from \$225,000 to \$500,000 per year for whole campus service. Alternatively, students could individually subscribe for \$10 per month, although that would require a subscription and billing system.

"I would appreciate ESPN, but I

## New MIT Cable Channels

- 48 FX
- 49 National Geographic Channel
- 50 Speed Channel
- 51 The Learning Channel
- 52 Comedy Central
- 53 Lifetime
- 54 MTV
- 55 MTV2
- 56 VH1
- 57 Nickelodeon/Nick at Nite
- 58 MyNetworkTV (WZMY 50)
- 59 CourtTV
- 60 Sci-Fi
- 61 E! Entertainment

wouldn't be willing to pay for it," said Daniel Piedra '09. "I'm just happy to see all the new channels, especially FX and Comedy Central."

Not all students, however, were as pleased with the additional channels. "TV? What's TV?" said Kristina M. Haller '08. "Is that like BitTorrent for the analog world?"

## One Broadway Re-opened Friday

One Broadway was opened for re-occupancy Friday, Jan. 12 by the MIT Management Investment Company. Environmental testing had previously shown that the building was safe, and all necessary approvals from city officials were received by Jan 11. Rent abatement will continue for some tenants until next week.

The building had been officially closed since the Dec. 8, 2006 explosion of an NSTAR transformer, which caused a major electrical fire.

According to a information sheet released by MITIMCO, MIT is planning to upgrade some HVAC systems to improve ventilation to the stairwells. The cause of the transformer explosion that caused the December fire is still unknown and under investigation by NSTAR.

More information can be found at the MIT News Office site: <http://web.mit.edu/newsoffice/topic/onebroadway.html>.

—Rosa Cao

## McCormick East Tower Flooded

A stairwell in McCormick Hall's East Tower was flooded Saturday, Jan. 13 due to a faulty drain pipe between the sixth and seventh floors. Water flowed into the stairwell next to the bathroom around 1 p.m. after residents used the shower, according to Director of Housing Dennis Collins.

The water to part of the East Tower was turned off until the pipe was repaired, and the stairwell was out of service for Saturday afternoon, though students had access to another stairwell in the tower, McCormick Housemaster Kathryn Hess said.

Though the water was mostly in the stairwell, the carpet on several floors did get wet, Collins said. On duty housekeepers were immediately dispatched to clean up the water, Collins said. "No dorms were flooded. No students were evacuated. This was not a big flood," Hess said.

After touring the stairwell on Tuesday morning, Collins said he believes that "everything is back to normal." The only cost to fix the damage will be the plumbing charges from MIT Facilities, Collins said.

The broken drain pipe is just another indication of "aging infrastructure," Hess said. "The guys from Facilities who were on site said that they are seeing a lot of this type of pipe break — pipes just corroding out with time."

—Ji Qi



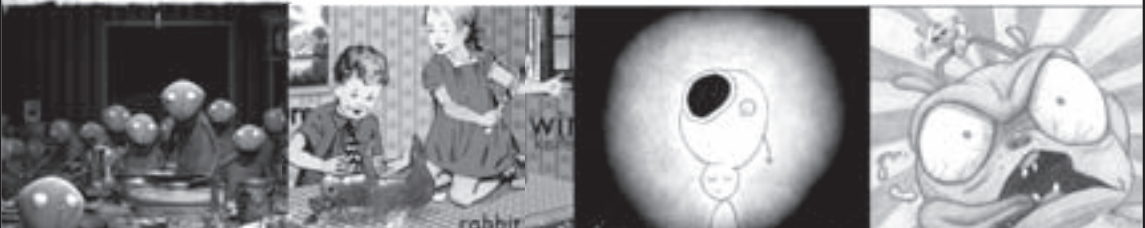
MINDY ENG—THE TECH

Eighty plaster hands appeared in Killian Court the Wednesday before finals week, marking the exhibition of Biyeun M. Buczyk's '10 4.301 final project. More details about the project can be found on <http://www.biyeun.com/>

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# Individual Butterfly, Freestyle Key in Win

Champion Diver Holbrook Wins One-Meter

Swimming, from Page 16

a 1-2-3 sweep with the tandem of O’Keeffe, Chao, and Abigail M. Clark ’09. O’Keeffe finished her race in 2:17.59.

In the 100-yard butterfly, MIT nearly achieved a second 1-2-3 sweep by Souganidis, Priya Parayanthal ’10, and Jessica A. Harpole ’07, but Harpole just missed finishing third to take fourth place. Souganidis won the event with a time of 1:01.35.

Thornton added individual wins in the 1000-yard freestyle with a time of 10:42.75 and the 500-yard freestyle with a time of 5:15.33. Brophy also emerged victorious in the 200-yard

freestyle in 1:58.83.

Former NCAA Diving Champion Doria M. Holbrook ’08 was once again victorious in her signature event, one-meter diving, with a score of 241.55. Holbrook also placed second in three-meter diving to newcomer Lauren P. Cipicchio ’10, who won the event with a score of 295.00.

The team effort led head coach Dawn Gerken to give the team the ultimate sign of satisfaction: a well-deserved day off from training. Buoyed by their weekend of solid racing and the impending day off, the Engineers shouted in celebration, “Forget the meet, forget the cheer, let’s go home and drink some...Kool-Aid!”

# MIT Second Half Rally Doesn’t Close Big Gap

Basketball, from Page 16

a tray from Macko. After two minutes of scoreless play, Yuan ended the drought with a lay-up which was followed by back-to-back baskets and a free throw by Marshall. On WPI’s ensuing possession, Marshall picked up a steal and set up Lauren N. Simmons ’10 for what proved to be the final bucket of the run.

Macko notched WPI’s first basket in six minutes at the 12:28 mark,

which set off a 17-2 Worcester run for a 64-37 lead with 4:19 left to play, a lead largely unchallenged in the waning minutes.

Prange picked up a team-high seven rebounds, two steals, and a block while Ruchelsman grabbed six boards. Kimberly E. SooHoo ’08 dished out five assists for MIT.

Both teams continue conference play on the road today. MIT will visit Wheaton College while WPI will travel to Wellesley College.



James M. Bartolotta '09 looks for an open teammate during MIT's game against Babson College. Babson defeated the men's team 56 - 47 on January 9.



Clara J. Yuan '08 dribbles the ball past a Babson defender during MIT's 77-39 loss on Jan. 9.

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SPORTS

Swimming Dominates Tri-Match To Stay Unbeaten in NEWMAC

By Caroline Huang  
ASSOCIATE SPORTS EDITOR

Fresh off Saturday victories against Brandeis University, the MIT Men's and Women's Swimming and Diving teams completed a successful weekend by defeating Springfield College and the United States Coast Guard Academy on Sunday.

Faced with their toughest test to date, the male Engineers secured two victories to stretch their perfect record to 4-0 in NEWMAC action and 6-0 overall. Tech beat Coast Guard (4-2, 3-1) by a score of 163-134 and Springfield (3-7, 1-2) by a more comfortable 185-114.

MIT swimmers lined the pool to cheer on their teammates, and nowhere was the support more evident than during the final event of the meet: the 400-yard freestyle relay. Even after a long two days of swimming, cheering, drying off, and swimming some more, the athletes' enthusiasm spurred their teammates to one last victory.

The MIT "A" team of Peter J. Wellings '09, Luke R. Cummings '10, Jeffrey Y. Zhou '10, and Craig M. Edwards '08 barely out-touched a speedy Coast Guard "A" team of Bobby Brown, Dale Cressman, Jack Shadwick, and Jim Okorn. Tech finished the race in a time of 3:11.66, while the Bears were just a shade behind in 3:11.90. The relay was a fitting exclamation point to a great training effort by Tech swimmers, who benefited from a rigorous weeklong training session in Puerto Rico.

Tech also received stellar individual performances from Edwards and freshman standout Rastislav Racz '10. Edwards contributed by dominating the 100- and 200-yard backstrokes with times of 53.54 and 1:56.45. Racz swept the breaststroke events with winning times of 58.95 and 2:10.76 in the 100- and 200-yard events, respectively.

Other individual victories included Deke Hu '09 in the 200-yard butterfly, Zhou in the 50-yard freestyle and 100-yard butterfly, and Calvin D. Kao '08

in the 200-yard individual medley.

The female Engineers (7-1, 3-0) also out-swam their opponents, beating the defending NEWMAC champion Pride (5-7, 3-1) 176-124 and Coast Guard by a ludicrous score of 230-69.

Prior to the men's exciting 400-yard relay, the women's relay "A" team had a similar result: senior stand-out Katherine C. Thornton '07 led her teammates Stephanie A. Sidelko '07, Ashley E. Pinchinat '10, and Sasha B. Brophy '08 to a narrow victory over Springfield's "B" team, winning with a time of 3:44:10.

The 200-yard medley relay also proved a profitable event for MIT's "A" and "B" teams, which finished first and second, respectively, in 1:54.67 and 1:57.05. The "A" team members were Jennifer A. Chao '09, Nicole M. O'Keeffe '09, Ellie S. Souganidis '10, and Sidelko.

The highlight of the individual events occurred in the 200-yard individual medley, as MIT completed

Swimming, Page 14

San Diego Errors, Not Patriots' Skills Send New England to AFC Title Game

By Caroline Huang  
ASSOCIATE SPORTS EDITOR

As much as I love the Patriots (and Lord knows I do, my friends can attest that I never take off my No.

12 jersey on game days), I have to admit: the Patriots' victory last Sunday was more of a Chargers' loss.

The Patriots could not compete physically with the Chargers, particularly after the loss of safety Rodney Harrison. Instead, they relied on quintessential Patriots football: put the team in a position to win, and watch as every other challenger (in this case, the Chargers) self-destructs. Whether it was a receiver dropping yet another pass

that should have gone for a first down, or one of three fumbles, or inexplicably choosing to go for a 4th-and-11 play in the first quarter, or a 15-yard penalty for unnecessary roughness...getting the picture?

A member of a Pee Wee team knows that on a fourth-down play, you knock the ball down rather than risk a fumble. If the Chargers' Marlon McCree had simply batted the ball down, the Patriots would not have regained his fumble and, a few plays later, knotted the game at 21 apiece.

Any decently informed football player is aware that 15-yard penalties for unnecessary roughness are the result of absolute stupidity. Despite what the commentators said

— "Oh, it's an emotional game" — these guys are getting paid to play football, so they might as well get acquainted with the rules. FYI: the rules do not include provisions for head-butting the other team.

Here's one solution — the Chargers could deduct the cost of books on self-restraint from the paychecks of any offenders. If Drayton Florence had not created an unnecessary roughness penalty, Gostkowski would not have had the chance to kick the field goal that initially brought the score to 14-13.

Keep in mind that the aforementioned penalty occurred on the same drive as a muffed punt. If Eric Parker had caught the ball cleanly, Florence would not have even been in a position to create a pointless penalty, and the Chargers would have had undisputed possession of the ball.

In case it's not clear, the Chargers basically handed them Sunday's game on a silver platter. In fact, the game was gift-wrapped in gold foil, white ribbon, and a navy blue bow, specially delivered by Marty Schottenheimer to Bill Belichick.

Despite Tom Brady's three interceptions and the offense's general lack of direction (save for the drive before halftime and the renewed drive after Florence's penalty), I found two comforting aspects to this divisional playoff: first, Peyton Manning and the Colts are next up for the Patriots, and it would be beautifully ironic if a Gostkowski field goal is the difference next weekend. More importantly, though, the Patriots recorded a W in the win-loss column, and my No. 12 jersey isn't ready to go into storage for two more games.

Erica Chan Places 3rd At Sport Taekwondo's International Tourney

By Rosemary Pike  
TEAM MEMBER

Erica Y. Chan '07, captain of the MIT Sport Taekwondo Club, won a bronze medal in the 21st International Park Cup on December 3, 2006. This competition was held in Sindelfingen, Germany and was attended by over 1000 international competitors.

Many of the European national team members from Germany, the Netherlands, Austria and other countries competed in the major international tournament. The US team was coached by Master Dan Chuang, the instructor of the MIT Sport Taekwondo Club.

Chan qualified for this competition by winning the US Cup tournament in October, held in Connecticut. Chan had to spar against competitors from four weight divisions, including three heavier than hers, to qualify for the Park Cup.

Chan competed in the women's finweight division. Her first match, against a strong competitor from Germany, Chan scored twice with axe kicks to the head. She dominated the ring, ending the match at 7-0 by

a point gap.

Chan then faced the Austrian National Team member in her division. After a slow start, Chan came from behind to tie the match at 4-4. The sudden death was incredibly exciting, as Chan hit a fast kick and the Austrian girl countered with a padachagi (slide back and back leg turning kick). The judges ruled for the Austrian competitor, who went on to win the entire division. Chan took a bronze metal, a tremendous accomplishment at such a high level international competition.

Chan was very excited about getting the opportunity to compete at the Park Cup. She said, "It was a really fun experience getting to go to another country to spar people I've never seen before."

The European competitors have a slightly different fighting style, and adapting to new competitors is always challenging. Chan said she enjoyed sparring national team members, and would have liked a chance to spar another match, especially because she was so close to making the finals. Overall, however, she was very happy with the way she sparred, and is looking forward to the next competition, February 25th at New York University.

Bartolotta Leads Balanced Offense in 65-53 Basketball Win Over Wheaton College

By James Kramer  
DIRECTOR OF SPORTS INFORMATION

James M. Bartolotta '09 scored a game-high 21 points to lead four MIT (8-7, 2-2) players in double figures in Saturday's 65-53 win over Wheaton College (7-3, 1-3) Saturday afternoon in Rockwell Cage.

Sparked by a career-high scoring effort from Brandon H. Suarez '09, MIT shot over 63 percent from the floor in the final 20 minutes to surge past their NEWMAC rivals and secure the win.

Suarez closed Saturday's game with 16 points, including a four-of-five effort from three-point range. He broke a previous personal best set two days earlier with seven points in a road win against Coast Guard.

While Suarez made the difference for the Engineers against the Lyons, Bartolotta once again showcased his leadership, adding a career and game-high nine assists and grabbing five rebounds. Despite an otherwise big performance, Bartolotta was held without a block or steal for the first time all year.

Senior Brian Zukowski led Wheaton with 16 points, while rookie Jaxon Leo added nine and Brent DiGiovanna chipped in eight. The Lyons had eight players touch-up the scoresheet, while 13 different players rotated into the game. Wheaton shot 46 percent

from the field in the first half, but was unable to find its touch in the second, shooting 8-of-29 (28 percent) in the second.

Leading 30-28 entering the second half, the Engineers finished on three straight lay-ups to extend the advantage to six in the early minutes of the new period. A three by Leo at 15:44 reduced MIT's lead to one, while Zukowski scored a lay-up at 14:12 to give the Lyons their first lead since the final minute of the first frame.

Leo connected on another triple just over a minute later before a three by Kristopher Pedra gave the Lyons their second consecutive long-range connect and final lead of the game at 43-41. After Pedra's three, the Engineers responded with a 14-0 run including two three's by Suarez and back-to-back lay-ups by Bartolotta and Erich W. Bracht '10.

Behind 55-43, Wheaton stopped the run with a DiGiovanni lay-up at the 6:46 mark. Wheaton would get as close as eight after Zukowski drained a three with 56 seconds left in regulation, but Bartolotta connected on four straight free throws to end the game.

Bracht delivered his seventh double-double of the season and first in the NEWMAC after closing with 13 points and a game-best 11 rebounds. Alexander G. Krull '07 shrugged off a difficult first half to finish with 11 points, while MIT edged Wheaton on the boards, 31-29.

Despite Early 7-2 Advantage, Women's Hoops Behind By 19 at Halftime, Unable to Catch WPI

By Mindy Brauer  
ASSISTANT DIRECTOR OF SPORTS INFORMATION

A pair of key runs in each half helped power WPI to a 66-45 victory over MIT in a NEWMAC women's basketball game on Saturday.

Clara J. Yuan '09, Sharon M. Prange '07, and Amy J. Marshall '09 each tallied 10 points for MIT. WPI's Meghan Pajonas finished the day with 23 points and 10 rebounds, after accumulating

17 points and seven boards in the opening period.

MIT (3-10, 0-3) recorded the first two baskets of the game before Kate Maki put WPI (9-5, 2-1 NEWMAC) on the scoreboard after 2:32 had elapsed. On MIT's next possession, Michal A. Ruchelsman '07 drained a three-pointer to give the Engineers their largest lead of the day at 7-2.

A pair of free throws by Pajonas sparked a 19-2 run that resulted in a 21-9 advantage at the 10:52 mark. MIT was able to cut the deficit to

nine on two occasions, the last time at 26-17 with seven minutes remaining in the half. WPI continued to find success from the floor as its lead grew to 19 points (42-23) on a trey by Caitlin Macko right before the buzzer sounded at the intermission.

MIT opened the second half with a 13-3 run during the first six minutes to narrow the margin to 10 (45-35). Yuan ignited the spree with a three-pointer which was answered by

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UPCOMING HOME EVENTS

Wednesday, January 17

Men's Basketball vs. WPI  
Men's Hockey vs. WPI

7:00 p.m., Rockwell Cage  
7:00 p.m., Johnson Ice Arena

Thursday, January 18

Men's Volleyball vs. Mount Ida

7:00 p.m. Rockwell Cage

Saturday, January 20

Pistol vs. US Merchant Marine Academy  
Men's and Women's Track vs. Westfield State, Williams, RPI  
Women's Basketball vs. Springfield  
Men's and Women's Swimming and Diving vs. Tufts  
Women's Gymnastics vs. Cortland State, Rhode Island, Wisconsin-Whitewater  
Men's Volleyball vs. Elms College  
Men's Volleyball vs. Lesley

9:00 a.m., duPont Athletic Center  
12:00 p.m., Johnson Athletic Center  
1:00 p.m., Rockwell Cage  
1:00 p.m., Zesiger Center  
1:00 p.m., duPont Gymnasium  
4:00 p.m., Rockwell Cage  
8:00 p.m., Rockwell Cage

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