

ERIC D. SCHMIEDL—THE TECH

Matthew N. Faulkner '08 won the Audience Favorite and Fullest Moustache prizes at the MITstache competition on Sunday, Feb. 3. The MITstache competition was organized by Brian J. Pepper '08, and challenged MIT students to grow facial hair over Independent Activities Period.

Rapid Growth in College Endowments Exacerbates Concerns About Wealth

By Karen W. Arenson
THE NEW YORK TIMES

Allan T. Demaree, a retired executive editor of Fortune magazine, gladly makes donations to Princeton University, his alma mater, even though he knows it has become one of the wealthiest educational institutions in the world. His son, who also went to Princeton, points to its endowment of \$15.8 billion, and will not give it a penny.

"Why give money to an institution that can seemingly live off its interest when other very deserving entities need money to function tomorrow?" asked the son, Heath Demaree, a professor at Case Western Reserve University who instead donates to Virginia Tech, where he was a graduate student.

His question captures how the wealth amassed by elite universities like Princeton through soaring endowments over the past decade has exacerbated the divide between a small group of spectacularly wealthy universities and all others. If Harvard has \$34.9 billion or Yale \$22.5 billion, fewer

than 400 of the roughly 4,500 colleges and universities in the United States had even \$100 million in endowments in the fiscal year that ended in June. Most had less than \$10 million.

Endowments, Page 15

'In Memory of James Albrecht' Robots Win BattleCode Contest

By Daniela Cako
STAFF REPORTER

There was excitement in the air on the evening of Feb. 1, as spectators filed into Kresge Auditorium for the BattleCode 2008 final tournament. Thousands of dollars in prizes were at stake as the teams sought to prove their software's mettle.

Some of those in the dense crowd were 6,370 participants fulfilling their mandatory attendance requirement, others were friends of finalists, and some were just curious individuals. Others were prospective employers from software companies that hoped to recruit the contestants.

Joel M. Stein, '10, a BattleCode director, praised the contestants' pro-

ductivity as he began the event; he said that the competitors wrote more than 275,000 lines of code. "At a rate of 30 useful lines per hour and \$20 an hour, the code would be worth more than \$180,000," said Stein. The teams, according to Stein, were made up of the "best of the best of MIT programmers."

BattleCode, he said, is a real-time strategy game. (Blizzard Entertainment, developer of real-time strategy game StarCraft, is one of the event's sponsors.) The game involves robots individually and autonomously controlled by code written by the contestants. This year's game required teams' robots to capture and hold territory, or to eliminate the other team entirely. The tournament was played in double-elimination brackets.

The tournament began with Team

Darwin vs. Bettercode: one man, Daniel A. Whitlow '10, against a team of four. Describing his name and his strategy, Whitlow said, "At first the plan was to make something that adapted to everything but then I decided to always throw scissors and attack." Darwin lost the first set of three matches against Bettercode, but he continued to win in the loser's bracket before finally being eliminated. He came in fourth overall and was the highest-ranked team containing only one entrant.

The second set of three matches was between setBang and Code's Compiling. Code's Compiling got quickly beaten in only two matches.

After winning against Code's Compiling, setBang continued win-

6,370, Page 16

MIT Asks Residents For Permission To Release Birth Dates For Cambridge Census

Last Wednesday, Jan. 30, MIT Housing e-mailed all residents of on-campus housing to ask for written permission to include their birth dates in census information sent to the Cambridge Election Commission.

News Brief

According to Linda L. Patton, assistant director of off-campus housing, MIT usually provides other information about campus housing residents to the CEC, for instance residents' full names and addresses. MIT's Committee on Privacy has approved the data collection.

MIT needs students' written consent to release birth dates because of provisions of the Family Educational Rights and Privacy Act, Patton said. She said that with or without students' consent, the rest of their information will be sent to the city. Patton said that Harvard University provides birth date information to the city for all of their residents.

The city also ties voter registration to census data, so people whose name and address data are not included are not eligible to vote. Patton said that in the past, mistakes or omissions in data reporting have affected the voting eligibility of housemasters and graduate resident tutors.

Patton said that MIT does not provide any directory information to the federal census, but that MIT facilitates the distribution of information about the federal census to students. She added that MIT's legal department last reviewed the Institute's role in the city census about a year ago.

—Quentin Smith

AgeLab Designs Products For Baby Boomers

By David Ho
COX NEWS SERVICE

CAMBRIDGE, MASS.

Joseph F. Coughlin founded AgeLab to unravel a paradox: Humanity in the last century achieved the dream of much longer life, but didn't plan for the effects on work, health and daily living.

"Our greatest success is now our greatest challenge," Coughlin says. "Where are you going to live? How are you going to get around? What are you going to do in those 10, 20, 30, 40 years of extra time?"

The questions are becoming urgent as tens of millions of baby boomers approach their 60s with high expectations for a new version of old age.

The AgeLab at the Massachusetts Institute of Technology is rushing to find some answers.

To explore how science and technology can help aging adults live well, the research center brings together experts in fields ranging from engineering and artificial intelligence to urban planning and women's studies. The lab partners with business and government to fund research and translate ideas into the real world.

Corporate partners have included Proctor & Gamble, Johnson & Johnson, Motorola, Healthways and the Hartford Financial Services Group.

Working with auto makers such as Ford and BMW, the lab has created prototype cars to study aging drivers and test safety systems.

It also is deciphering how older

AgeLab, Page 13



CHRISTINA KANG—THE TECH

Students crowd around a touch-sensitive surface at the MIT Lincoln Laboratory booth at the 2008 Technology Fair on Monday in Rockwell Cage. Job seekers have had many opportunities in the past week, with the Technology Fair on Monday, the Tau Beta Pi career fair on Tuesday, and several banquets and information sessions since.

In Short

¶ The registration deadline is today. Students must turn in signed registration forms to the Student Services Center today, or face a \$40 fine.

¶ The degree application deadline is today for those seeking June SB and advanced degrees. After today, graduating students must pay a \$40 fine (or a \$75 fine, if the application is filed after Apr. 4).

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



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WORLD & NATION

Hollywood Connections Helped Push Strike Near a Deal

By Michael Cieply

THE NEW YORK TIMES

LOS ANGELES

With Hollywood writers on the brink of ending their three-month strike, they can thank this city's time-honored way of getting things done — connections.

Over the last two weeks, Laeta Kalogridis, a movie and TV writer and a founder of United Hollywood (unitedhollywood.blogspot.com), a pro-union Web site, emerged as an unlikely peacemaker.

Working the phones and e-mail during her forced hiatus from projects like Martin Scorsese's "Shutter Island," she operated as a conduit between David J. Young, a militant leader of the guild, and Peter A. Chernin, the News Corp. president, who was similarly protective of company interests.

As Kalogridis joined those trying to resolve the fight, players on both sides of the labor dispute finally shifted ground, most importantly on the knotty issue of new-media compensation. That cleared the final obstacles to a deal that will be reviewed by writers in meetings here and in New York on Saturday.

If all goes well, the boards of the Writers Guild of America West and the Writers Guild of America East could end their walkout as early as next week, allowing production of most television dramas and comedies to resume and tens of thousands of people to return to work.

Diabetes Health Goes Beyond Blood Sugar, Doctors Say

By Tara Parker-Pope

THE NEW YORK TIMES

The startling findings of a major federal study on the effects of lowering blood sugar are unlikely to change the way most people with Type 2 diabetes manage their illness, doctors said Thursday.

The study, announced Wednesday, showed that an intensive program to lower blood sugar actually increased risk of death. The findings were so surprising that the study was stopped early, and they seemed to undercut the accepted wisdom that people with diabetes should do everything possible to get their blood sugar down to normal.

But the methods used in the study, called ACCORD (for Action to Control Cardiovascular Risk in Diabetes), bear little resemblance to the techniques most doctors and patients use to manage blood sugar levels. And the patients in the study were typically far sicker than many people with diabetes.

Studies Call Biofuels A Greenhouse Threat

By Elisabeth Rosenthal

THE NEW YORK TIMES

Almost all biofuels used today cause more greenhouse gas emissions than conventional fuels if the full emissions costs of producing these "green" fuels are taken into account, two studies being published Thursday have concluded.

The benefits of biofuels have come under increasing attack in recent months, as scientists took a closer look at the global environmental cost of their production. These latest studies, published in the prestigious journal *Science*, are likely to add to the controversy. These studies for the first time take a detailed, comprehensive look at the emissions effects of the huge amount of natural land that is being converted to cropland globally to support biofuels development.

The destruction of natural ecosystems — whether rain forest in the tropics or grasslands in South America — not only releases greenhouse gases into the atmosphere when they are burned and plowed, but also deprives the planet of natural sponges to absorb carbon emissions. Cropland also absorbs far less carbon than the rain forests or even scrubland that it replaces.

Clinton Campaign Struggles As Obama Raises \$32 Million

By Patrick Healy and Jeff Zeleny

THE NEW YORK TIMES

Concerned that it could lose several primaries and caucuses through the rest of February, Sen. Hillary Rodham Clinton's presidential campaign sought to create an alternate story line of success on Thursday by announcing that Clinton had raised \$7.5 million online so far this month.

That unusually high figure was quickly overshadowed by Sen. Barack Obama's announcement that he had raised the same amount in 36 hours since the 22-state contest on Tuesday, in addition to the \$32 million that he raised in January.

Clinton drew \$13.5 million in January.

With Tuesday behind them, the rivals have turned some of their ferocity away from voters and toward their donors, seeking the clear-cut victory in fundraising that neither could secure at the ballot box this week, when Obama won 13 states and Clinton nine.

Obama's fundraising dominance, especially his announcement on Jan. 31 that he had raised \$32 million, has

sent jitters through Clinton's donor base. Some of her biggest donors grew even more concerned Wednesday when her advisers said that she had lent the campaign \$5 million from her own money and that some senior aides were working this month without salaries.

Several donors and senior aides said they had not been aware of the loan until Wednesday.

Clinton's team mobilized Thursday to send reassuring messages to donors and supporters. The campaign first announced raising \$4 million in 24 hours, then \$6 million in 36 hours and then \$7.5 million in total since Feb. 1.

Neither her nor Obama's figures could be confirmed, because fundraising reports for this period will be made public in April.

"February is going to be by far our biggest month, by a huge amount," Terry McAuliffe, Clinton's campaign chairman, said in a conference call on Thursday with 300 donors that the campaign allowed reporters to listen to.

"It's going to allow us to do everything we needed to do," McAuliffe added, noting that the campaign

would begin advertisements next week in Ohio and Texas, which hold primaries on March 4 with hundreds of delegates at stake.

Obama, speaking to reporters, zeroed in on Clinton's loan and said that her decision to not disclose her income tax returns raised questions about the loan.

"I'll just say that I've released my tax returns," he responded to a question about tax returns. "That's been a policy I've maintained consistently. I think the American people deserve to know where you get your income from."

Obama stopped short of issuing a call for Clinton and former President Bill Clinton to release their returns. "I'm not going to get into the intricacies of their finances," he told reporters as he flew to a rally in Nebraska. "That's something that you'll have to ask them."

Nebraska holds nominating caucuses on Saturday.

Clinton campaign officials said she would release her returns if she won the nomination. The officials said there was enough information in her public Senate financial disclosures to assess her personal finances.

After Romney Bows Out, McCain Emerges As Likely GOP Choice

By Elisabeth Bumiller and David D. Kirkpatrick

THE NEW YORK TIMES

WASHINGTON

Sen. John McCain of Arizona all but sewed up the Republican presidential nomination on Thursday after Mitt Romney withdrew from the race, saying the war in Iraq and the terrorist threat made it imperative that the party unite.

In a dramatic announcement before a convention of stunned and largely unhappy conservatives, Romney said that he wanted to fight on but that taking his campaign all the way to the Republican convention in September would delay a national campaign against Sen. Hillary Rodham Clinton or Sen. Barack Obama, the two remaining Democratic contenders. Romney described them as weak on national security.

"They would retreat, declare de-

feat and the consequences of that would be devastating," Romney, a former governor of Massachusetts, told a crowd that broke into chants of "Mitt, Mitt, Mitt."

Staying in the race, he said, "would make it easier for Sen. Clinton or Obama to win."

Romney, who spent tens of millions of dollars of his personal fortune on the race, added, "Frankly, in this time of war, I simply cannot let my campaign be a part of aiding the surrender to terror."

Romney did not explicitly endorse McCain, but for the first time in a campaign remarkable for its animosity between the two men, signaled a degree of support for him, saying he agreed with McCain on the war and on fighting terrorism.

"Now, I disagree with Sen. McCain on a number of issues, as you know," Romney said, as the crowd

booed at the mention of the name. "But I agree with him on doing whatever it takes to be successful in Iraq."

McCain stepped forward two hours later before the same gathering, the annual convention of the Conservative Political Action Conference to try to make peace with a group deeply skeptical of him, if not outright hostile. In a moment that will long be remembered by Republicans, McCain was greeted with jeers as well as cheers.

"Many of you have disagreed strongly with some positions I have taken in recent years," McCain told the group in an enormous, overflowing hotel ballroom, where people were held back from entering by security guards who said the raucous crowd exceeded fire code violations. "I understand that. I might not agree with it, but I respect it for the principled position it is."

WEATHER

Deadly Tornado Outbreak

By Jon Moskaitis

STAFF METEOROLOGIST

The deadliest tornado outbreak in the United States since 1985 occurred this past Tuesday and Wednesday, killing at least 50 people in a region spanning 5 southern states. While the extensive loss of life cannot be attributed to meteorological factors alone, the rare phenomenon of long-track supercell thunderstorms certainly did play a major role.

A supercell is a type of thunderstorm that rotates about a vertical axis. Sometimes that rotational wind field, through a poorly understood process, can be tapped to produce a tornado. Usually, supercells cannot cover much ground before they dissipate on their own or are absorbed into a larger complex of storms. However, with a sufficient push from the large-scale wind field and without molestation from other nearby storms, supercells can travel well over 100 miles (161 km).

Three tornadic supercells managed to produce such long tracks in this week's outbreak. By themselves, these three thunderstorms spawned the tornadoes that caused the vast majority of deaths and the most extensive property destruction.

Extended Forecast

Today: Mostly cloudy, snow showers possible early. High 35°F (2°C).

Tonight: Partly cloudy. Low 26°F (-3°C).

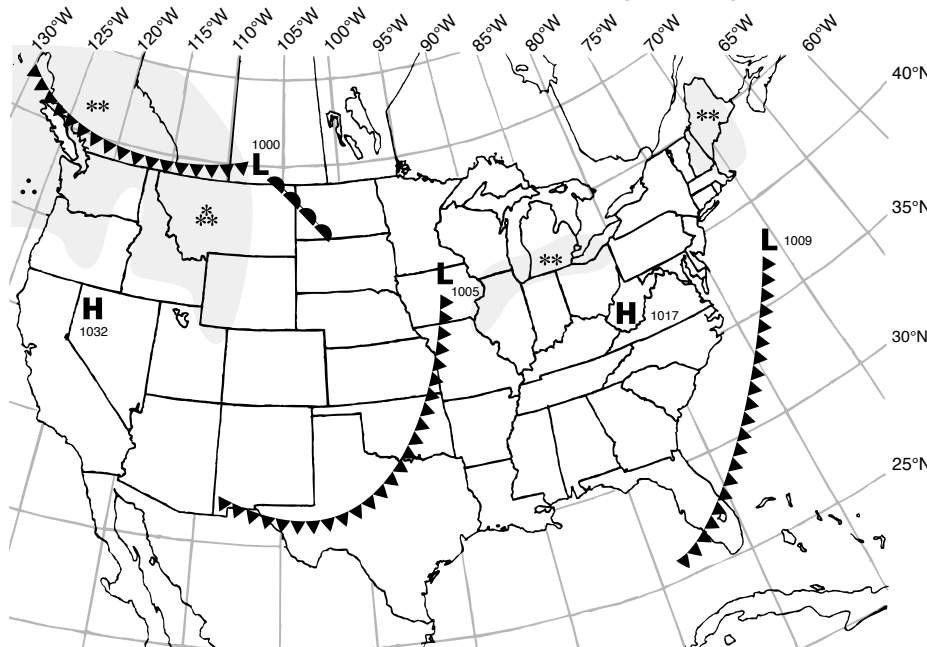
Tomorrow: Increasing clouds, chance of showers late. High 42°F (6°C).

Tomorrow night: Light rain likely. Low 32°F (0°C).

Sunday: Mostly cloudy, windy, with a chance of snow showers. High 37°F (3°C).

Monday: Mostly sunny. High 32°F (0°C).

Situation for Noon Eastern Standard Time, Friday, February 8, 2008



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

Compiled by MIT Meteorology Staff and The Tech

Mitt Romney Bows Out of GOP Presidential Nomination Race

By John Sullivan and Michael Luo

THE NEW YORK TIMES

Mitt Romney, the former Massachusetts governor who sought to position himself as the true conservative choice for the Republican presidential nomination, announced Thursday afternoon that he had ended his campaign.

Romney, who had vowed to press on despite disappointing results in the Super Tuesday primary contests, made the announcement at the annual Conservative Political Action Conference in Washington.

In a speech that touched on the messages of his campaign, Romney said he had come to his decision to help unify the Republican Party, and he charged that Democratic candidates would not pursue the war in Iraq.

"Because I love America in this time of war, I feel I have to stand aside for our party and our country," he said.

Romney had hoped to use Tuesday's results to narrow the gap between him and his chief rival, Sen. John McCain of Arizona. Instead,

he saw McCain widen the lead at the same time Romney's campaign lost ground to Mike Huckabee, the former Arkansas governor, who racked up solid gains.

Romney faced a series of enormous challenges in the campaign, not the least of which was trying to reconcile the moderate political views he espoused as the governor of Massachusetts, a liberal state, with the more conservative views he championed on the campaign. That tension — and his decision to change positions on a number of emotionally charged issues, including renouncing his past support for abortion rights — led his rivals to continually lambaste him as a flip-flopper.

Then there was the question of his Mormon religion. After the candidacy of Huckabee, a former Baptist preacher, exploded in Iowa, where it was fueled by evangelical voters, Romney was moved to give a major speech in Texas defending his faith and denouncing the rise of secularism.

And although Romney, a former management consultant, ran what many described as a textbook cam-

paign, he never really recovered after failing to execute the original strategy of winning the first two contests in Iowa and New Hampshire, and using those wins to build momentum. Iowa went to Huckabee, and New Hampshire to McCain, who tried to paint himself as a straight talker to contrast with Romney's flexibility.

As the campaign progressed, Romney and McCain exchanged increasingly bitter attacks. Romney charged that McCain was "outside the mainstream of conservative political thought." McCain pointedly noted that Romney had changed his position on key issues for many conservative Republicans, such as abortion rights and gun control.

But in Thursday's speech, Romney emphasized his agreement with McCain's position that the United States needs to continue to pursue the war in Iraq. Arguing that the war is a critical part of the country's battle against terrorism, Romney said the Democratic candidates, Sens. Hillary Rodham Clinton of New York and Barack Obama of Illinois, "would declare defeat and the consequences of that would be devastating."

U.S. Senate Is Closer to Agreeing On Economic Stimulus Package

By David M. Herszenhorn

THE NEW YORK TIMES

WASHINGTON

An agreement in the Senate appeared within reach on an economic-stimulus program on Thursday afternoon, increasing chances that the House could also ratify it within hours and speed it to President Bush's desk.

The apparent breakthrough came as Senate Democrats seemed ready to agree to add only tax rebates for senior citizens and disabled veterans to a package already approved overwhelmingly by the House with the backing of President Bush.

"Discretion is the better part of valor," said Sen. Max Baucus, D-Mont., chairman of the Senate Finance Committee, told The Associated Press after Democrats apparently had abandoned attempts to add some \$40 billion to the House package.

"The best thing for us to do is declare a big victory that we've achieved, namely getting the rebate checks to 20 million seniors and 250,000 disabled veterans," Baucus said.

The Republican minority leader,

Sen. Mitch McConnell of Kentucky, said, "We're getting close to finalizing what I think is an agreement everyone can feel comfortable with," The AP said.

The path seemed clear to a quick vote in the Senate, followed by a vote in the House by Thursday evening on the revised package. There was a sense of urgency, because the House is not in session on Friday.

A few hours before the Senate leaders signaled that an accord was at hand, Vice President Dick Cheney urged passage of the basic program already approved by the House and agreed to by the White House.

"Our stimulus package is simple and temporary, with not a penny of wasteful spending to explode the deficit," he said in an address to the Conservative Political Action Conference in Washington. "There won't be any new regulations or economic meddling by the federal government."

The breakthrough came a day after Senate Republicans, by a single vote, blocked a more expansive fiscal stimulus package championed by Democrats, as partisan rancor engulfed the effort to inject a quick

burst of spending into the slowing economy.

The package needed 60 votes under Senate rules to move forward but failed 58-41, with eight Republicans joining 48 Democrats and two independents in support of it. The majority leader, Sen. Harry Reid of Nevada, switched his vote to no from yes at the last second, a parliamentary move that lets him control the next steps on the bill.

The political brinkmanship in the Senate stood in marked contrast to the House, where Republicans and Democrats led by Speaker Nancy Pelosi took just a week to reach a deal on an economic stimulus package with President Bush, and just four more days to pass the bill.

The measure was opposed by Republican leaders who said the Democrats added too many costly provisions, including an extension of unemployment benefits, tax credits for the coal industry and increased subsidies for home energy costs.

The total cost of the Senate plan came to about \$204 billion over two years, or about \$40 billion more than the House version.

Bhutto Killed By Blow to Head, Not By Bullet, According to Scotland Yard

By Eric Schmitt and Salman Masood

THE NEW YORK TIMES

WASHINGTON

Investigators from Scotland Yard have concluded that Benazir Bhutto, the Pakistani opposition leader, died after hitting her head as she was tossed by the force of a suicide blast, not from an assassin's bullet, officials who have been briefed on the inquiry said Thursday.

The findings support the Pakistani government's explanation of Bhutto's death in December, an account that had been greeted with disbelief by Bhutto's supporters, other Pakistanis and medical experts.

Also on Thursday, the Pakistani government announced the arrest of two more suspects in connection with the assassination plot but gave few other details.

Thousands of Bhutto's supporters gathered in her hometown in southern Pakistan, marking the end of a 40-day mourning period.

It is unclear how the Scotland Yard investigators reached such conclusive findings absent autopsy

results or other potentially important evidence that was washed away by cleanup crews in the immediate aftermath of the blast, which also killed more than 20 other people.

The British inquiry also determined that a lone gunman, whose image was captured in numerous photographs at the scene, also caused the explosion, said the officials, who spoke on condition of anonymity because the report has not been made public. Pakistani authorities originally said there were two assailants, based partly on photographs splashed across the front pages of the nation's leading newspapers.

Scotland Yard investigators verbally relayed their key findings to the government of President Pervez Musharraf on Thursday, according to the officials.

The investigators are expected to present a formal report to the Pakistani government on Friday, as well as to Bhutto's widow, Asif Ali Zardari, who has become co-chairman of her Pakistan Peoples Party, and the couple's 19-year-old son, Bilawal Bhutto Zardari, who is a

student in London.

Scotland Yard said through a spokesman in London that it would have no comment on the Bhutto report until after it was made public. The British team is to present its report on Friday to the inspector general of police, Abdul Majid, who is leading the Pakistani investigation team.

Scotland Yard's report will be presented just days before the country's parliamentary elections on Feb. 18.

The findings are certain to be met with widespread skepticism, especially from her supporters who blame the government for her death, in particular Musharraf and the leading politician of the party that backs him, Pervez Elahi. Nor are they expected to calm the turmoil in the country at the end of the 40 days of mourning for Bhutto.

Zardari and his party's supporters say they believe she was shot, as do people who were riding with Bhutto when she died Dec. 27 after her vehicle came under attack as she left a political rally in Rawalpindi.

New Weight in Army Manual On Stabilizing War-Torn Areas

By Michael R. Gordon

THE NEW YORK TIMES

WASHINGTON

The Army has drafted a new operations manual that elevates the mission of stabilizing war-torn nations, making it equal in importance to defeating adversaries on the battlefield.

Military officials described the new document, the first new edition of the Army's basic comprehensive doctrine since 2001, as a major development that draws on the hard-learned lessons of Iraq and Afghanistan, where initial military successes gave way to long, grueling struggles to establish control.

It is also an illustration of how far the Pentagon has moved beyond the Bush administration's initial reluctance to use the military to support "nation-building" efforts when it came into office.

But some influential officers are already arguing that the Army still needs to put actions behind its new words, and they have raised searching questions about whether the Army's military structure, personnel policies and weapons programs are consistent with its doctrine. The manual describes the United States as facing an era of "persistent conflict" in which the U.S. military will often operate among civilians in countries where local institutions are fragile and efforts to win over a wary population are vital.

Lt. Gen. William B. Caldwell IV, the commander of the Army's Combined Arms Center at Fort Leavenworth in Kansas, began briefing lawmakers on the document on Thursday. In an interview, he called it a "blueprint to operate over the next 10 to 15 years."

Gambino Family Hierarchy Indicted in Large Mob Sweep

By William K. Rashbaum

THE NEW YORK TIMES

NEW YORK

Federal and state authorities early Thursday began rounding up scores of accused organized crime figures on a series of indictments charging murder, racketeering, construction extortions and other crimes in the largest such sweep in recent memory, law enforcement officials said.

More than 60 people — among them the entire Gambino family hierarchy and reputed figures from the Genovese and Bonanno families — are named in two indictments, along with union and construction industry officials, the law enforcement officials said.

By about 10 a.m., 52 people were already in custody, including the family's acting underboss, Domenico Cefalu, and consigliere, Joseph Corozzo, the officials said. The acting boss, who prosecutors identified as John D'Amico, known as Jackie the Nose, was not yet in custody and several officials said he was believed to be on vacation.

The arrests were announced this morning at a news conference at the office of U.S. Attorney Benton J. Campbell in Brooklyn.

The charges, which are being brought in U.S. District Court in Brooklyn and state Supreme Court in Queens, also include seven murders — three dating back more than a quarter century — along with racketeering, extortion and state gambling charges, officials said.

America Intensifies Efforts To Restore Peace in Kenya

By Jeffrey Gettleman

THE NEW YORK TIMES

NAIROBI, KENYA

The American government is playing an increasingly active role in trying to restore peace in Kenya, holding hearings in Washington on Thursday and threatening to prohibit some Kenyan politicians from entering the United States.

A spokesman for the American Embassy in Kenya said Thursday that the embassy had written to 10 politicians and businessmen warning that they and their relatives would be denied entry into the United States if the embassy determined that they had instigated or participated in violence.

More than 1,000 people have been killed in Kenya since a disputed election in December, and human rights groups have said much of the violence was organized. The American Embassy is warning people in the government and the opposition, and is trying to use the issue of visas to press the leaders to act responsibly and support efforts to reach a political compromise.

"We consider the violence as the most immediate issue to deal with," said T.J. Dowling, the embassy spokesman. "We wanted to let these people know that we are scrutinizing their acts and we will take action accordingly."

A Global Anti-Smoking Project

By Donald G. Mcneil Jr.

THE NEW YORK TIMES

NEW YORK

Tobacco could kill up to a billion people during the 21st century, as cigarette sales soar in poor and middle-income countries even as they drop in wealthier ones, says a report issued Thursday by the World Health Organization.

The report, financed by Mayor Michael R. Bloomberg's foundation, suggests a six-point program for fighting the tobacco industry's influence.

"The WHO is described by the tobacco industry as its biggest enemy," Dr. Margaret Chan, the organization's director-general, said at a news conference introducing the report. "Today we intend to enhance that reputation."

Nicknamed Mpower and based on a partly successful program for fighting drug-resistant tuberculosis, the report suggests raising cigarette taxes, banning smoking in public places, enforcing laws against giving or advertising tobacco to children, monitoring tobacco use, warning people about the dangers and offering free or inexpensive help to smokers trying to quit.

The report, to which Bloomberg Philanthropies contributed \$2 million, is the first to compile global data on how many smokers or tobacco chewers each country has, how much they pay in tobacco taxes, and how antismoking efforts are faring.

Among its conclusions: Poor and middle-income countries collect 5,000 times as much in tax revenue from tobacco as they spend in fighting its use. Only 5 percent of the world has no-smoking laws like those in New York City. Uruguay does more than any other country to reduce smoking.

OPINION



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Corrections

The "The Tech Asks..." feature in *The Tech's* 2007 Year in Review misspelled the name of a popular Afghan restaurant near the Cambridge Galleria. It is Helmand, not Helmond's.

An item in the *The Tech's* 2007 Year in Review article "The Institute in National, Local News," about the death of Daniel J. Barclay '07, misrepresented Susan L. Kayton '78, Barclay's mother. Kayton does not allege that Barclay's death could have been avoided had MIT allowed her access to Barclay's room and property.

Because of an editing error, the article also incorrectly identified Kayton as a member of the class of 1950.

Letters To The Editor

Give UROPs Their Due

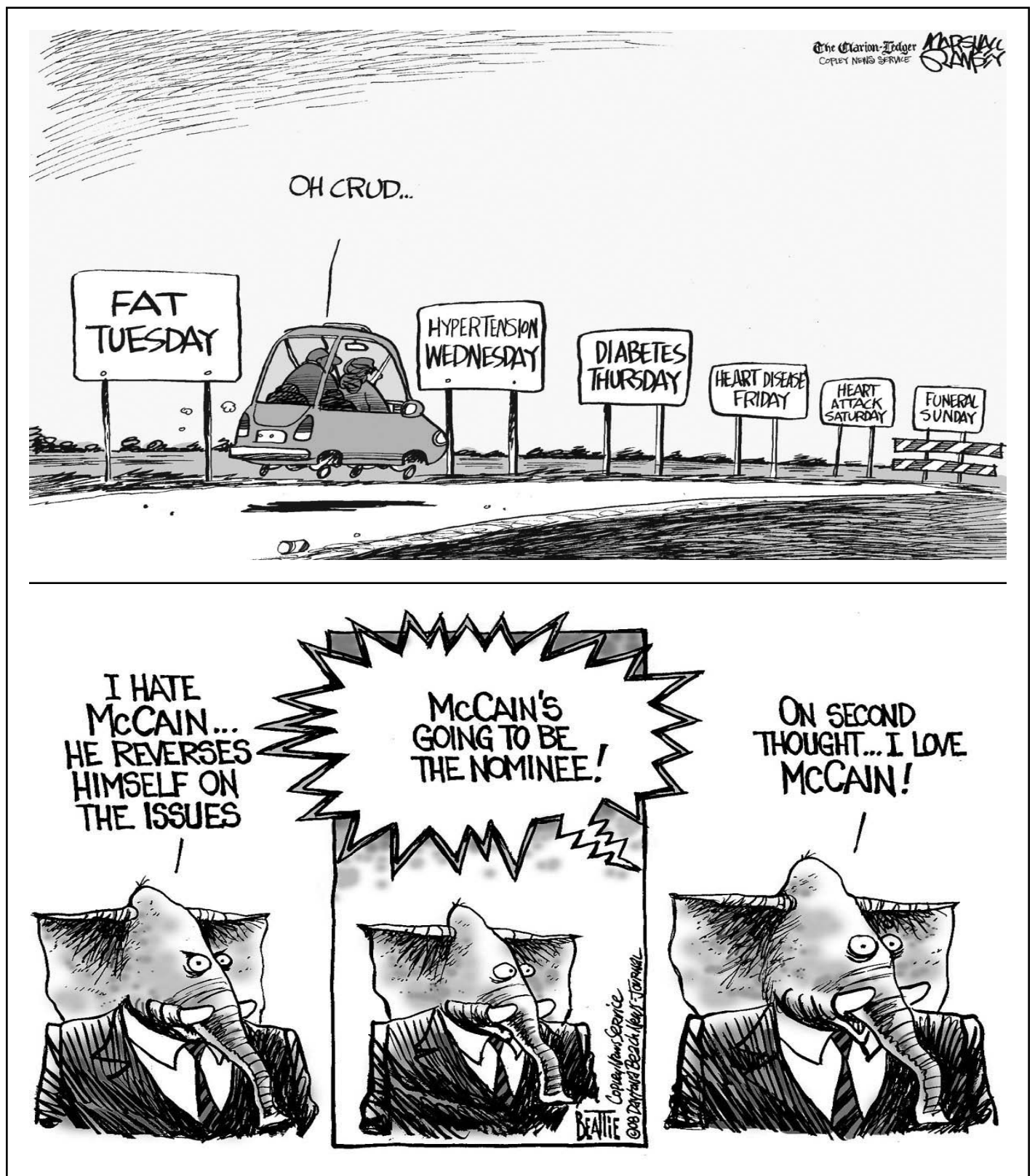
While I thought *The Tech's* recent Year in Review issue did an outstanding job of representing the triumphs, controversies, and other stories that profoundly affected MIT over the past year, I am troubled that, in all of the issue's 36 pages, not once does the word

UROP appear. The student-driven research for which MIT is supposedly so highly regarded is barely mentioned, even while eight pages are dedicated to MIT's athletics program. Although *The Tech* selected nine athletes to showcase as "Profiles of Dedication" — a title well deserved — that phrase could just as easily have been applied to any number of UROP students. To be sure, I do not mean to slight the student-athletes who devote so much of

their time, energy, and passion to excelling in their chosen sport or sports. But I find it strange that even here at the Massachusetts Institute of *Technology*, we still seem to value articles about athletics above stories about academics.

Paul F. Baranay '11

Editor's Note: Baranay contributed an article to the *Campus Life* section of the Year in Review issue.



Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Benjamin P. Gleitzman, Editor in Chief Nick Semenkovich, Managing Editor Jessica Witchley, Opinion Editor Aditya Kohli, and Contributing Editor Rosa Cao.

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

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

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

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

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

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ARTS

MOVIE REVIEW ★★★

Go Get Lost In Bruges

Colin Farrell Tries Not to Suck So Bad

By Alice Macdonald
STAFF WRITER

In Bruges

Written and Directed by Martin McDonagh
Starring Colin Farrell, Brendan Gleeson, and Ralph Fiennes

I have to admit that I have a considerable dislike for Colin Farrell ... and can you blame me? Surely if you sat through "Miami Vice," you cannot. Thankfully, Farrell departs from roles such as Bullseye in "Daredevil" and whoever the hell it was he played in "S.W.A.T." to take on a role that suits him much better in this new film, "In Bruges." Even Mr. Farrell would probably have to agree with me that there are few words for how terrible some of the films he has participated in are.

When speaking about his "In Bruges" character, he hints at what might have gone wrong in earlier roles, remarking "[It's] nice to not have to pretend to be cool." It seems that Farrell has changed his ways and it can only be for the better.

Farrell gives a decent, bordering on good performance in "In Bruges," but he is easily outshone by co-stars Brendan Gleeson and Ralph Fiennes. Gleeson plays Ken, who, along with Farrell's Ray, is a hit man sent to Bruges, Belgium to hide out after a job goes wrong. Fiennes portrays their ruthless and foul-mouthed boss, Harry. The first half of the film is fairly light-hearted as the two leads explore Bruges and get into all sorts of mischief while they wait for news from Harry. The final half, however, is very dark and heavy as the shit hits the

fan and bullets start flying. Without giving too much away, it is clear that Bruges is the last stop for most of the characters.

This mix of outrageous comedy and dark reality is different from other "dark comedies" in the recent past in a way I can't really put my finger on. Some of the dialogue is truly hilarious, but it is followed by themes that are absolutely depressing. It is hard to keep laughing when accidentally shooting children in the head is involved. Some of the situations are also completely bizarre, but in a good way. When prompted about the absurd nature of the comedy (as evidenced in my favorite scene, where two hit men, a midget, and some whores are in a hotel room doing lines of stolen cocaine and discussing the possible future war between whites and blacks), writer/director McDonagh

proclaims, "It's not very PC... [but] I think we got the balance very well." Farrell is in agreement and says the film is "So unusual, so unique with an amazing balance between comedy and despair." Intentional as the mix of light and dark may be, it still creates a film that is a little schizophrenic, a film missing some thread or connection to really tie things together. It was so close, but perhaps not all the way there.

So what could have rounded out the film? A better soundtrack or some interesting sound editing could have done a world of good, but other than that I can't think of too much. For McDonagh's first full-length film (following his Academy award winning "Six Shooter" also starring Brendan Gleeson), it is a fantastic debut. Look for some interesting things in the future from this up-and-coming Brit.

CONCERT REVIEW

Spice Girls Are Back!

I Needed a Little Zest in My Life

By S. Campbell Proehl

Spice Girls

TD Banknorth Garden
Wednesday, Jan. 30, 2008

Think back to 1997. Who were the five coolest, sexiest women of that year? If you were in the vicinity of TD Banknorth Garden last Wednesday night, the answer would have literally popped out at you from every Union Jack mini-dress and four-inch platform shoe in sight: the Spice Girls, of course, and they're back. Young women who were barely ten years old when the attractive, feisty quintuplet released their first single (the now timeless "Wannabe") came out in droves to watch the resurrection of Posh, Baby, Sporty, Scary, and Ginger after a ten year hiatus, which started in 1998 after Geri "Ginger Spice" Halliwell left on claims of exhaustion and difference of opinion.

America fell hard for the Spice Girls in January of 1997 when they released "Wannabe" in the US after several months of unprecedented success in England. Young fans welcomed the group's debut album *SPICE* with Hannah Montana-like excitement and gave the girls enough revenue and momentum to pump out a second album, *Spice World*, in conjunction with a mov-

ie of the same name. By 1998, the Spice Girls were a global phenomenon; their adoration was still unfathomable on January 30th in Boston.

Fans went wild even before the group came on stage. Some girls in homemade matching T-shirts shouted out various lyrics across the arena, while others shrieked at the video advertisements for Roberto Cavalli, who designed all of the costumes for the tour. When the Spice Girls finally came on stage an hour late, a deafening, high pitched scream erupted and thirty thousand hands were in the air. One fan even held up a sign that read "Thank You Spice Girls."

The group opened with "Spice Up Your Life," a hit single from their second album. The dancing was less energetic than it was in their late '90s prime; there were a lot of standstill ballet-inspired moves, and pole dancing combined with the waving of obscenely large feather puffs. The audience seemed not to notice, or at least not to care, about the overly gaudy and outdated dance moves. Instead, they went wild for everything, particularly "Say You'll Be There," which included some fabulous break-dancing by thirty or so male dancers.

The women, all in their thirties and four of them mothers, had clearly aged but they still looked great. I had difficulty taking my jealous

eyes off of Victoria "Posh Spice" Beckham's legs, which were the size of shish kabob sticks and clad in gold lamé leggings. Immediately upon arriving at the concert, I noticed that my one homage to the 1990s — a sparkly gold belt — did not sufficiently demonstrate my devotion to the Spice Girls and their famously outrageous wardrobes. Real fans wore cheetah print leotards, patent leather jumpers, and black mini dresses. I was not surprised to see, however, that the Spice Girls had updated their outfits and hairdos for the year 2008.

Cavalli did a fabulous job designing for both Emma Bunton's larger thighs and Scary Spice's new six pack while simultaneously updating and staying true to their original looks. He helped Baby Spice with her baby weight by creating longer skirts for her doll-like dresses, and updated Sporty's formerly only Adidas wardrobe to match her successful solo career as a techno singer (she sang her highly popular dance single, "I Turn To You," for her solo number). Ginger, however, still looked tacky in a belted bathing suit and white platform boots during her not-half-bad solo rendition of "It's Raining Men."

All of the women sang songs from their solo careers during the concert, except the stiff Victoria Beckham (who opted for a catwalk

routine during which she pretended to talk on a cell phone). No one in the audience knew the words to Scary's song, but she commanded a surprising amount of attention by pulling a volunteer from the audience, latching him to a ladder, and dancing around him while swinging a large leather whip. The fans were relatively supportive of these mediocre attempts at branching out, but Mel C received the warmest applause for her solo, which did well when it was released in the U.S. in 1999. The group also opted to sing some of their later singles, produced after Geri Halliwell left the group, and I found these very displeasing. The ticket price was high, and I wanted to hear the songs of my past, not unknown, boring ballads.

The last couple of numbers, which included the long awaited "Wannabe," perked up the audience. With the first utterance of the words "Zig-a-zig-ah," I was whisked back into my childhood and felt the pure, unadulterated joy that only exists in the mind of a carefree ten-year-old. As I looked at the five women who taught me about girl power and individuality, I felt young again. The feeling that came over me was something like what my mother might feel if she saw The Beatles again. I felt reverence for five amazing singers who took the world by storm, and did so in four-inch platform heels.

BOOK REVIEW

Not Your Average Travel Guide

"Spontaneous Tourism" Informative but Broad

By Jillian A. Berry

SENIOR EDITOR

Spontaneous Tourism: The Busy Person's Guide to Travel

By James C. Samans

Published by CrystalOrb

Now Available

www.spontaneoustourism.com

I decided to graduate from MIT a semester early so that I would have a few months off before graduate school, and now that my break is here, everyone keeps asking me what I'm going to do. Travel? Here's the thing: I'm not a huge traveler. Sure, I like going places, but I usually get so stressed about planning the trip and how much it's going to cost that I avoid it. And I think wherever I go, I need to spend enough time there to make it "worth" it, thus adding to the expense and hassle. Well, it turns out I'm not alone: James Samans has written a new travel guide called *Spontaneous Tourism: The Busy Person's Guide to Travel*, for people like me.

Samans, whose day job is as a technology

consultant, has traveled around the world and compiled this book to encourage others to do the same. Essentially, this book is not about where to go or what to see, but how to travel. He stresses that travel can expand your view of the world and doesn't have to be stressful. Once I got past the fact that this is not a typical destination travel guide, I appreciated it much more for the information it does offer.

Most of the book focuses on the different modes of transportation and the varying types of accommodations, with the last quarter of the book featuring a page or two of information on roughly two dozen major destinations. The author also evaluates all of the frequent flyer/traveler clubs for each destination.

One of Samans' greatest points is that no matter how much time you have, you can travel; if you only have a weekend to visit Paris, so what? Cram as much as you can into your days, figure you'll catch up on sleep when you get back home, and know that you can always go back — in fact, you should go back. When I first read this, I thought it was a bit

ridiculous. If I'm going to spend six, eight, or ten hours flying somewhere, I don't want to visit for only 48 hours. But then I started thinking back to vacations I've taken, some of my favorites were some of the shortest. Those short sojourns were much less stressful (and far cheaper) than many of my longer trips because I didn't have all of the hassles of being away from my life for a week, yet still got to get away. And you know what? A weekend in Paris doesn't sound so bad.

While encouraging people to take shorter vacations more frequently is one of the high points of the book, I have a few problems with this guide. First off, while Samans does a good job of describing the different types of travel, some of the descriptions are too broad. Sure, each airline is different, but more in depth information on the popular carriers, or the ones he finds the best would be useful (although it should be noted that he does give Web sites for finding more information). In addition to

needing a little more depth, the book over-stresses cheap travel. I understand that knowing how to travel cheaply is important, but the fact is I'm not necessarily going to stay in a hostel. Again, this may be useful information for some people, but more luxurious accommodation information would be appreciated, too. Finally, some of the suggestions are just a bit unrealistic, particularly for a girl. For example (and maybe I am just far too girly), I cannot go anywhere with just one pair of shoes. When I travel, I usually like to go out to a nice restaurant at least once, and sneakers and a backpack just won't cut it, despite what the author says.

Spontaneous Tourism is a good guide to have for reference. I may not agree with all of the author's advice, but I learned a few things and will be sure to use the information somehow. And hey, maybe one of these days I'll decide to stay in a hostel and I'll be sure to look to this book for advice. Yes ... maybe someday.

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Public Service message from SAVE (Suicide Awareness/Voices of Education)

This space donated by The Tech

#1 Cause of Suicide
UNTREATED DEPRESSION
http://www.save.org

It's Election Season at the Coop, too!

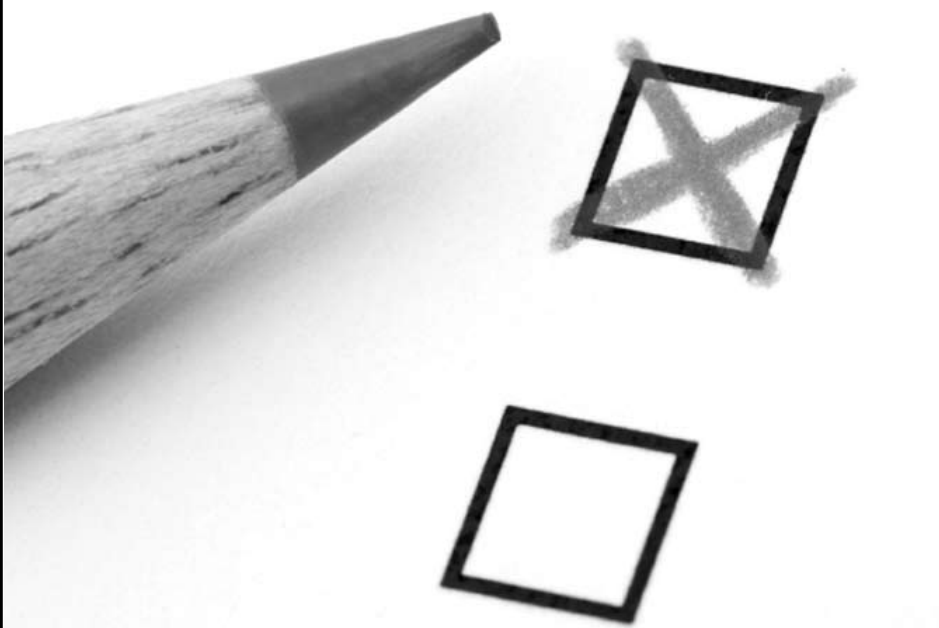
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IT'S FRIDAY

Brought to you by **CAMPUS LIFE**

The Tech, February 8, 2008, Page 7

Figuring out Fashion

Hi everyone! We'd like to introduce ourselves. We're the staff of Figuring out Fashion here at The Tech, and our job is to do what you wish you had time to do yourself. We will research, shop, try new things, ask experts, and decide how you can look and feel your best every day. For our inaugural article, we wanted to look into the role fashion plays at MIT, what is unique and cool, and what we can all work on!

Since your issues are our issues, we asked some of our classmates to comment on what fashion meant to them.

"It's a way to make a good first impression and represent yourself well everyday," said Thomas M. Ciesielski '11. Jeremias Szust '11 thought it meant, "hot women in Victoria's Secret."

Yet everyone agreed on MIT's overall style sense. "The style here is eclectic," said Wen Y. Tang '10. Trace U. Sauter '11 agreed: "It depends on what group you hang out with."

So what comes to mind when you think MIT fashion? MIT sweatshirts, free T-shirts from the career fair, blue hair, cargo pants? Or perhaps you see high heels, suit jackets, and pearls? You're right! That's the beauty of MIT: it houses all the extremes and everyone in between.

One way to see this is to just walk around on campus; The sheer variety of clothing that people are wearing is stunning. Another way is to look at the fashion-related events that happen on campus, or are tied to MIT. The Network of Sloan Undergraduate Women's business wear fashion show highlights Sloan's fashion influence, and the professional side of all MIT students and graduates. Kappa Alpha Theta's KATwalk showcases eclectic, trendy clothes from local boutiques.

In contrast, off campus shows like the Seamless Fashion Show, held in the Museum of Science, highlight the technological slant of the school by incorporating engineering marvels into beautiful clothes. The Seamless Fashion Show takes the Star Simpson concept to a whole new level of intricacy and beauty; this year's show featured clothes with LED displays that changed when two wearers held hands, and a dress that fit five women at once and could be converted into a tent.

According to Amanda J. Parkes G, "there has long been a schism between what's considered 'couture' by the high fashion set and Star Trek-inspired 'wearable electronics.'" Parkes, who both designed a unique garment, which generates power using energy from human movement and was one of the producers of the show, said the goal of Seamless is to bridge that gap.

"I want technology to become another tool for designers," she said. "It's funny, people have this idea that garment construction is a very feminine, comfortable craft when it's in fact highly technical in practice ... MIT doesn't offer any classes in sewing, but I encourage everyone to play around at least with mixing and matching store bought



Jae Rhim Lee (left) of MIT's Visual Arts Department speaks with bystanders at the Seamless Fashion Show, which showcased wearable technology. Lee's suit was impregnated with mushroom spores designed to break down harmful artificial substances in the human body after burial, preventing them from leaching into the environment.

clothes and digging through cheap stores and stalls to find cool pieces. With just a good eye, you can definitely get cheap, creative outfits!"

Even our student commentators agreed that MIT students excel in some areas of being stylish. "We're savvy," said Szust. "We know how to take care of ourselves." Sauter and Ciesielski agreed that at MIT, people tend to care a great deal about their health. Obviously, there is no lack of fashion here, and people are trying to look great (any many times succeeding). It's clear, however, that there is a lot more that can be done. The tough schedules and heavy problem set loads make it impossible to put more than a few minutes of effort into choosing clothes and accessories in the morning, and make moisturizing, haircuts, and daily meditation a mere figment of our dreams.

There also seem to be some underlying social issues. Tang said, "people really need to work on their leadership and communication skills." Ciesielski mentioned that, "not being awkward," would improve many students. Not to worry, however. We're in the same boat as you all are! We're a bit awkward, extremely busy, and still have that desire to do it all with the stylish ease

that some have (and we envy). We plan to travel around Boston, seek out tips and tricks that will make looking great easier every week, and try our hand at Figuring out Fashion! After all, if we can do our psets, why not this? We hope you'll stick with us to enjoy the ride!

Until next week,
Manisha Padi and Ying Yang

Suggestions or comments about fashion at MIT? E-mail fashion@tech.mit.edu.

Good Fashion at MIT: Jose C. Sepulveda '10 is wearing a white shirt from JC Penney (\$15), an argyle sweater from Express (\$30), and jeans from JC Penney (\$20). Why we like it: The look is simple and warm, but the bold pattern on the sweater keeps it fresh and the lean fit is flattering!



MANISHA PADI—THE TECH

"No, with screws, Mom. With screws. With SCREWS! I don't know why you're deaf!"
—Woman on cell phone in Building 68

Overheard at MIT "A lot of people say that Linux isn't user friendly, but I think it's just really selective about its friends!"
—Unknown

To submit quotes, join the Facebook group!
Special thanks to group creator Kristin M. Rose '10.

The Debut

Ask A TA

Dear TAs,
I think I like this girl in my discussion section. What should I do?
—Recitation Romantic

Dear Recitation Romantic,
You should try and impress her by showing up on time for your section and answering questions when the TA asks them. You should also impress her by attending lecture rather than relying on your TA to regurgitate all of the material to you, by not asking questions in section about what is going to be on the midterm, and by not asking for more points on your graded problem sets and/or tests. That will definitely impress her.
—TA James "Graham" Ruby G

Dear TAs,
I never want to grow up, is grad school really the only option?
—Forever Young

Dear Forever Young,
As the saying goes, "grad school is the snooze button on life." So yeah, grad school is pretty much your only ticket to Never Never Land (aside from fairy dust). Now there are lots of other options that may seem to put you in a state of arrested development: pediatrics, teaching little kids, puppy wrangling, etc ... But don't be deceived. These professions actually make you feel older! Nothing makes you feel more ancient than towering over a bunch of little tots at play. Seriously, ever been back to your old childhood playground? You look like Gigantor. This is why grad school reigns supreme. In grad school, you can horseplay with people your age who are just as developmentally stunted. As long as your teacher (advisor) is out, recess is on!
—TA Charles Lin G

Dear Forever Young,
For this question I've consulted a friend of mine named Peter, who is currently a biology doctoral candidate at Never Never University, specializing in Ticking Crocodiles. Peter tells me, "unfortunately, it's true. Graduate school is the only long-term solution available to you." He suggests that clapping your hands will not in the long run stave off growing up. He also cautions that living in your parents' basement post-graduation, while generally thought to be a fool-proof strategy for slowing the onset of adulthood, in fact speeds the process.
—TA Noah Spies G

Ask a TA: Real TAs tackling life problems they're unqualified to handle. Got a question? E-mail AskTA@tech.mit.edu. Serious inquiries need not inquire.

WMBR Top 5 Songs of 2007

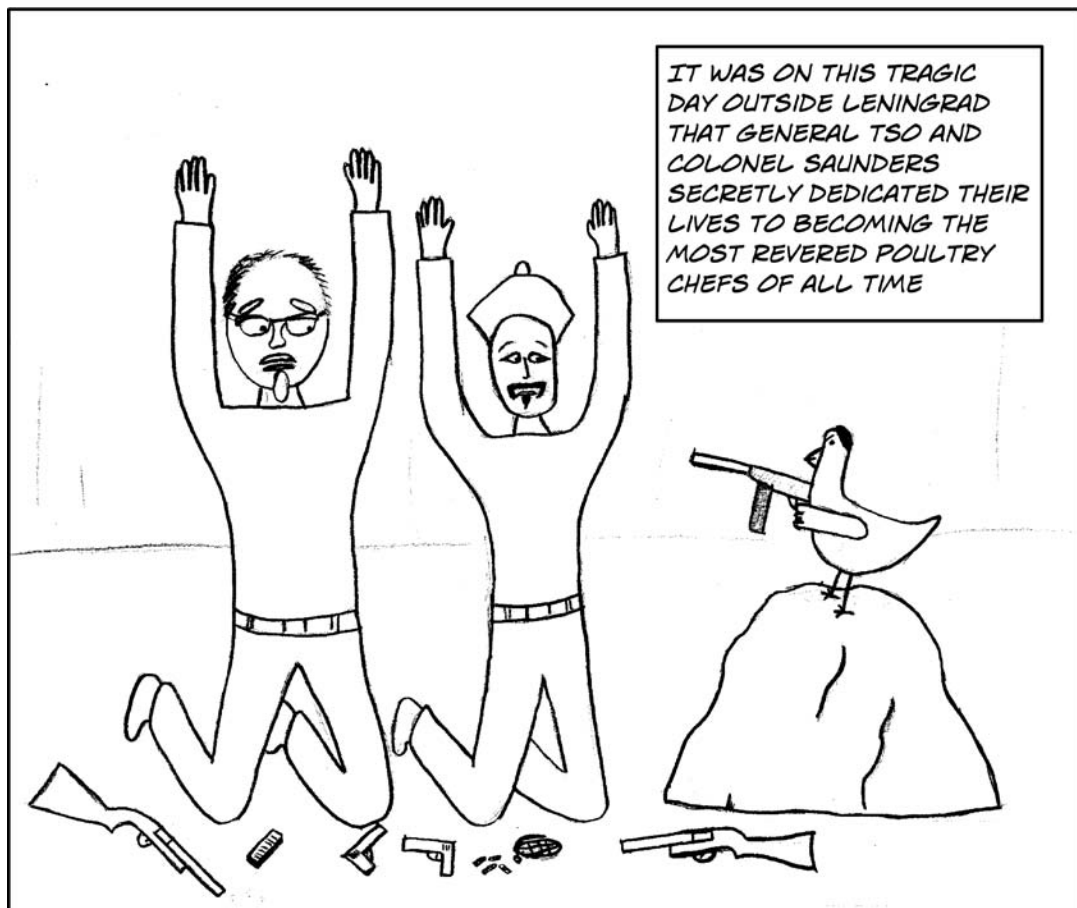
1. Enon, "Grass Geysers ... Carbon Clouds"
2. Les Savy Fav, "Let's Stay Friends"
3. Apples In Stereo, "New Magnetic Wonder"
4. Deerhunter, "Cryptograms"
5. Dungen, "Tio Bitar"

These were the most played tracks at WMBR in 2007. You can tune in at 88.1 FM or listen online at wmbor.org. If you're interested in joining, contact us at membership@wmbor.org.

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Steal My Comic

by Michael Ciuffo



su | do | ku

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9. Solution on page 16.

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3			4					
				2	7		4	
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Solution, tips, and computer program at <http://www.sudoku.com>

Crossword Puzzle

Solution, page 13

ACROSS

- 1 Non-standard English
- 6 Encourage a yegg
- 10 Jazz singing style
- 14 Rome's river
- 15 Burrowing garden pest
- 16 Sugar source
- 17 Actress Verdugo
- 18 Novelist Stoker
- 19 Gymnast Korbut
- 20 Jack Lemmon role
- 23 Ninny
- 26 ___ out of (decline)
- 27 Seniors
- 28 Philipines metropolis
- 30 "___ Bulba"
- 32 Matt Damon role
- 34 Bleacher cry

- 37 Knight's wife
- 38 Our sun
- 39 "Star Wars" knight
- 40 WSW opp.
- 41 Dustin Hoffman role
- 45 Livestock shelters
- 46 Longing
- 47 Notify
- 50 Narc's org.
- 51 Showed the way
- 52 Gary Cooper role
- 56 Domain
- 57 Give a hand?
- 58 Too weird
- 62 Affirm with certainty
- 63 Nora's pet
- 64 Gridlock
- 65 Anatomical sac
- 66 Ollie's partner
- 67 The present time

DOWN

- 1 Fr. holy woman
- 2 Small, in Dogpatch
- 3 Justice Fortas
- 4 Oahu goose
- 5 Rolled oats breakfast
- 6 Circuit
- 7 Bjorn of tennis
- 8 Distinctive style
- 9 Poster paint
- 10 Reprimands
- 11 Have a cow
- 12 Ire
- 13 Rips
- 21 Brief quarrel
- 22 ___-Ude, Russia
- 23 Sufficient
- 24 Foil alternative
- 25 Derogatory
- 29 Wrigley Field growth
- 30 Lopes along
- 31 "The Clan of

- the Cave Bear" heroine
- 33 Sports fans' channel
- 34 Lube again
- 35 Love to pieces
- 36 Tackled a trail
- 39 Intermediate learning inst.
- 41 Feel concern
- 42 Fleets
- 43 Logical start?
- 44 Closest
- 45 "The African Queen" star
- 47 Writer Asimov
- 48 Having chutzpah
- 49 Releases
- 50 Poet Thomas
- 53 Aerie
- 54 Ciao
- 55 Casino game
- 59 Neato, nowadays
- 60 Author Levin
- 61 Tarzan Ron

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Bonus Puzzle

Solution, page 19

ACROSS

- 1 Blanchett of "Elizabeth"
- 5 Medieval club
- 9 Lava before exposure
- 14 Muscat's place
- 15 Israeli port
- 16 Havelock or Perry
- 17 Start of Abe Lincoln quip
- 20 Sort of cream?
- 21 Type of acid
- 22 Don't go
- 23 Eye membrane
- 25 Recorded proceedings
- 27 Misfortunes
- 29 Snare
- 34 Part 2 of quip
- 37 Part 3 of quip
- 40 Novel writing?
- 42 Quid ___ quo
- 43 Calyx part
- 44 Part 4 of quip

- 47 Part 5 of quip
- 48 Poetic form
- 49 Lady of Spain
- 51 Worf of "Star Trek: TNG"
- 54 Winter apple
- 58 Lhasa ___
- 62 Cooks in the oven
- 64 Refrain syllable
- 65 End of quip
- 68 Seasonal worker
- 69 Funnyman Laurel
- 70 Bruhn of ballet
- 71 Provide with a source of income
- 72 French actor Jacques
- 73 Dregs

DOWN

- 4 Bambi's aunt
- 5 Laurie of "Roseanne"
- 6 To shelter
- 7 Magna ___
- 8 System of moral values
- 9 West Coast seagull
- 10 Supplicant's request
- 11 Oversupply
- 12 Isinglass
- 13 Soot-covered
- 18 Old Chinese money
- 19 Two quartets combined
- 24 Maxima maker
- 26 Emmets
- 28 Mini drinks
- 30 Greek letters
- 31 "___ Man," Stanton film
- 32 Part of U.A.E.
- 33 Soccer great

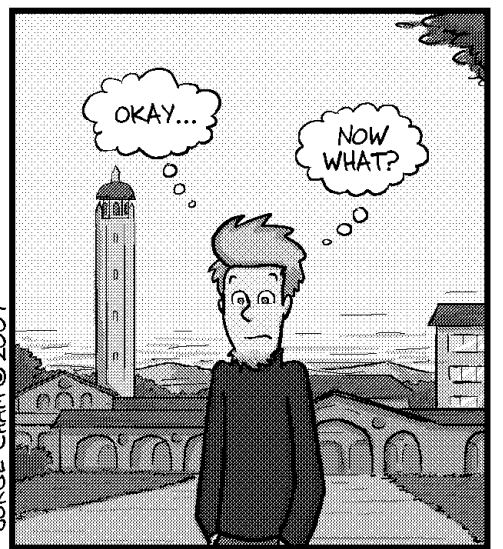
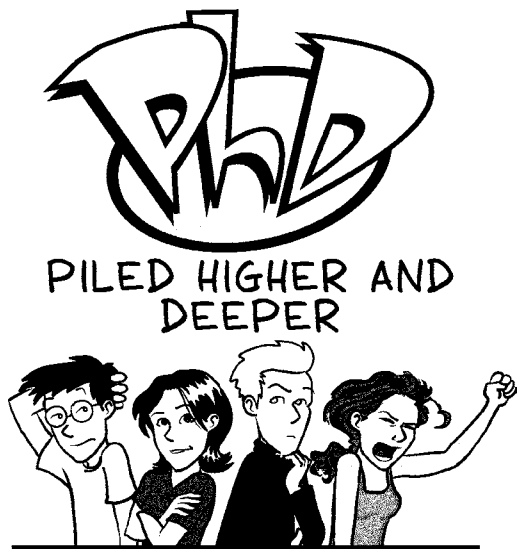
- 34 Audit pros
- 35 Singer Guthrie
- 36 Commercial district
- 38 Coll. seniors' test
- 39 Busted clods
- 41 Watched closely
- 45 Tale
- 46 Cocktail choice
- 50 Requisite
- 52 Perch
- 53 Tariff-eliminating pact
- 55 Cubic meter
- 56 Banks of baseball
- 57 Jobs to do
- 58 Church part
- 59 A, e.g.
- 60 Broadcast
- 61 Suspicious of
- 63 Three-handed card game
- 66 Shooter marble
- 67 AT&T part

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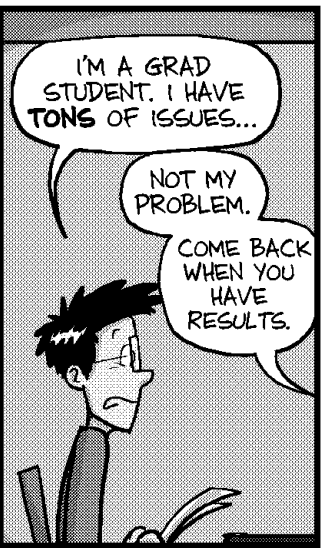
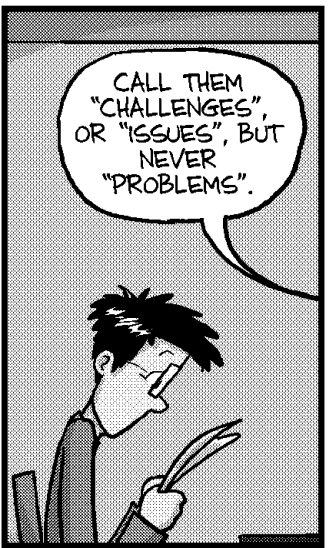
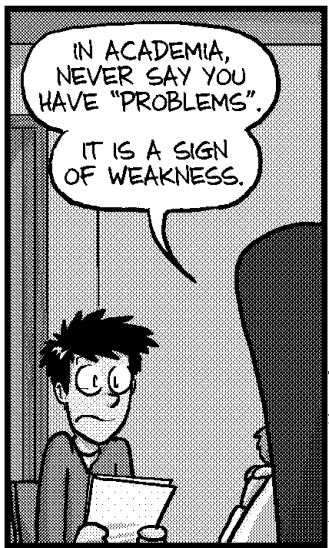
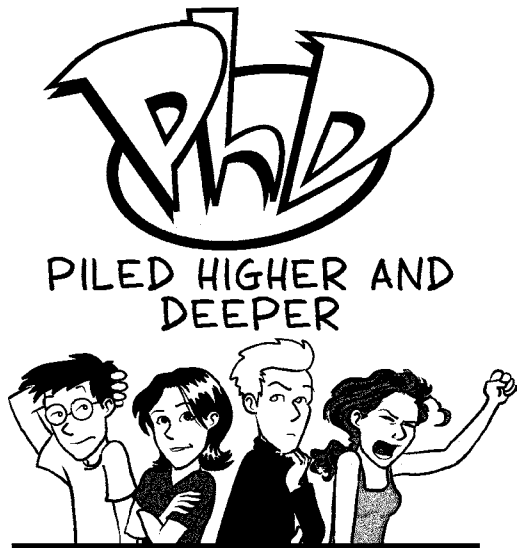
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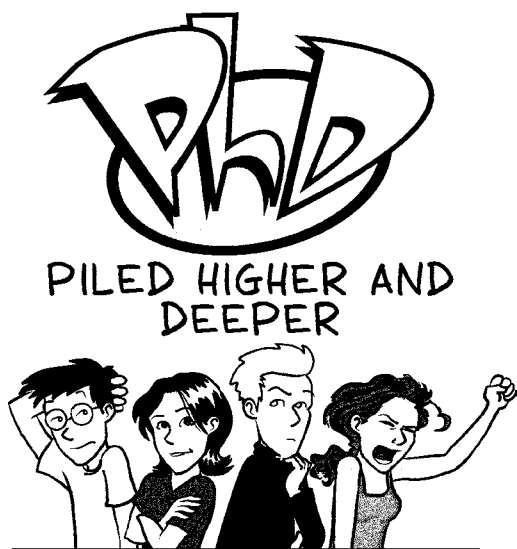
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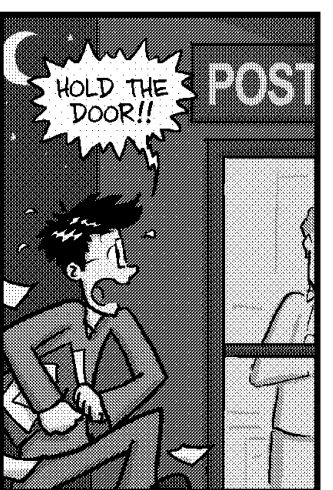
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Risky Investing May Be Addictive, Similar To Drug Use and Sex

By Jenny Anderson
THE NEW YORK TIMES

It is easy to dismiss Jerome Kerviel, the rogue trader at Societe Generale, as a fluke — the perfect storm in a pinstripe suit.

So here is a sobering thought for Wall Street: There may be a bit of Kerviel in all of us.

A small group of scientists, including some psychologists, say they are starting to discover what many Wall Street professionals have long suspected — that people are hard-wired for money. The human brain, these researchers say, responds to high-stakes trading just as it does to the lure of sex. And the riskier the trades, the more the brain craves them.

French prosecutors have likened Kerviel's trades to a drug habit. That is no surprise to Brian Knutson, a professor at Stanford University and a pioneer in neuroeconomics, an emerging field that combines psychology, neuroscience and economics to examine how the brain makes decisions.

Knutson has sent volunteers through high-power imaging machines to map their brains as they trade. He concludes that sometimes, people get high on making money.

"The more you think you can gain from the risk, the more you take the risk and the more activation in the circuitry," Knutson said.

Neuroeconomics has not won many converts on Wall Street. Researchers like Knutson have yet to show how their work can be applied effectively in the markets. And some academics question whether the field is of any use in economics.

"Economics is about equilibrium, and supply and demand, and forces that come to some stabilized system," says Stephen A. Ross, the Franco Modigliani Professor of Finance and Economics at the Massachusetts Institute of Technology. "It's not about atoms or how little people behave."

Even so, the field seems to be gaining some traction. Last year Jason Zweig, who edited the 2003 edition of Benjamin Graham's "The Intelligent Investor," wrote a 352-page book titled "Your Money and Your Brain: How the New Science of Neuroeconomics Can Help Make Your Rich."

One of his findings was that brain images of drug addicts who are about to take another hit are indistinguishable from those of traders who are making money and about to place another trade. "That tells us pretty confidently that if you make money and make money again," Zweig said, "it is very similar to a chemical addiction and it becomes very hard to let go."

Kerviel, 31, told prosecutors that he was thrilled when his surreptitious trades in European stock-index futures began to pay off. By late December, he had made a profit of about \$2 billion. "That produced a desire to continue," he said. "There was a snowball effect."

But when the markets turned against him, Kerviel made an all-too-common mistake: He refused to cut his losses, which would balloon to more than \$7 billion as the bank frantically unwound his positions on Jan. 21-22.

Daniel Kahneman, a Nobel Prize-winning psychologist, has a fancy term for such behavior: loss aversion. The concept holds that when people find themselves in a hole, they often do irrational things.

"When you are threatened with extinction, you act like nothing matters," said Andrew W. Lo, a professor at MIT who has studied the role of emotions in trading. Kerviel, he said, is a case study in loss aversion.

Lo and Dmitry V. Repin of Boston University have studied traders to determine how stress and emotions affect investment returns. They mon-

itored traders' vital signs like heart rate, body temperature and respiration as their subjects darted in and out of trades.

The findings, while preliminary, suggest, perhaps unsurprisingly, that traders who let their emotions get the best of them tend to fare poorly in the markets. But traders who rely on logic alone don't do that well either. The most successful ones use their emotions to their advantage without letting the feelings overwhelm them.

"The best traders are the ones who have controlled emotional responses," Lo said. "Professional athletes have the same reaction — they use emotion to psych them up, but they don't let those emotions take them over."

Or, as Warren E. Buffett once put it, "Once you have ordinary intelligence, what you need is the temperament to control the urges that get other people into trouble in investing."

Of course most traders do not breach ethical boundaries like Kerviel, who doctored e-mail messages to hide his unauthorized trades. But unbridled ambition and the hit from the money high are a dangerous combination.

People like to think that logic prevails in the financial markets, that traders and investors always act rationally. "Clearly, institutional investors want to believe it's all scientific," said Mark W. Yusko, president of Morgan Creek Capital Management.

But Wall Street gets carried away. The Internet boom and bust were followed by an even bigger boom and bust in mortgage lending. Wall Street is now saddled with more than \$100 billion in losses stemming from mortgage investments, and the economy may be sliding into recession.

Alpesh Patel, principal at the Praefinium Group, an asset management company, said that when traders get too emotional, they start making bigger, more frequent trades.

"You know you are damaging yourself, and there's no gain in a financial sense, but the highs from the winning lead you to take bigger risks," said Patel, who has written 11 books on trading psychology and risk management.

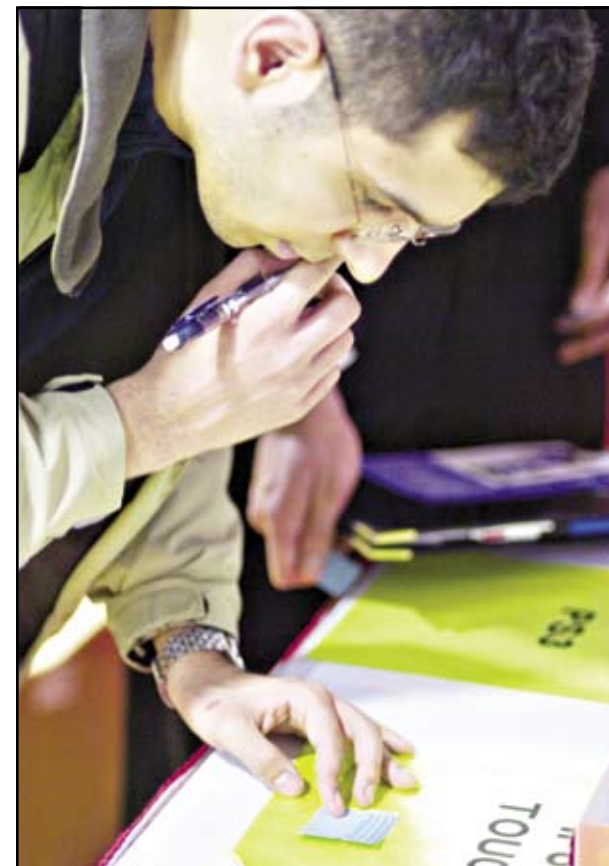
Legendary Wall Street traders like Steven A. Cohen and Julian H. Robertson Jr. are students of human emotion. Cohen, who runs a \$15 billion hedge fund called SAC Capital Advisors, keeps Ari Kiev, a psychiatrist, on hand to work with his legions of traders, people from SAC say. (Kiev declined to say whether he worked for Cohen's firm.)

Robertson, the founder of Tiger Management, which at its peak in 1998 managed \$22 billion, turned to a psychoanalyst, Dr. Aaron Stern, to test and evaluate Tiger's traders.

Kiev, author of the forthcoming "Mastering Trading Stress: Strategies for Maximizing Performance," said many traders, professionals and everyday investors alike, fail to manage their risks.



MIT's premiere lecture hall 10-250 is currently undergoing massive renovations, as seen on Sunday, Feb. 3. ERIC D. SCHMIEDL—THE TECH



Tau Beta Pi Career Fair Comes to Rockwell

The Tau Beta Pi spring career fair was held in Rockwell Cage this Tuesday on the first day of class.

(top to bottom)

Chenxia Liu '10 speaks with ITA Software recruiters.

Evangelos Sfakianakis G fills out an iPod touch raffle form.

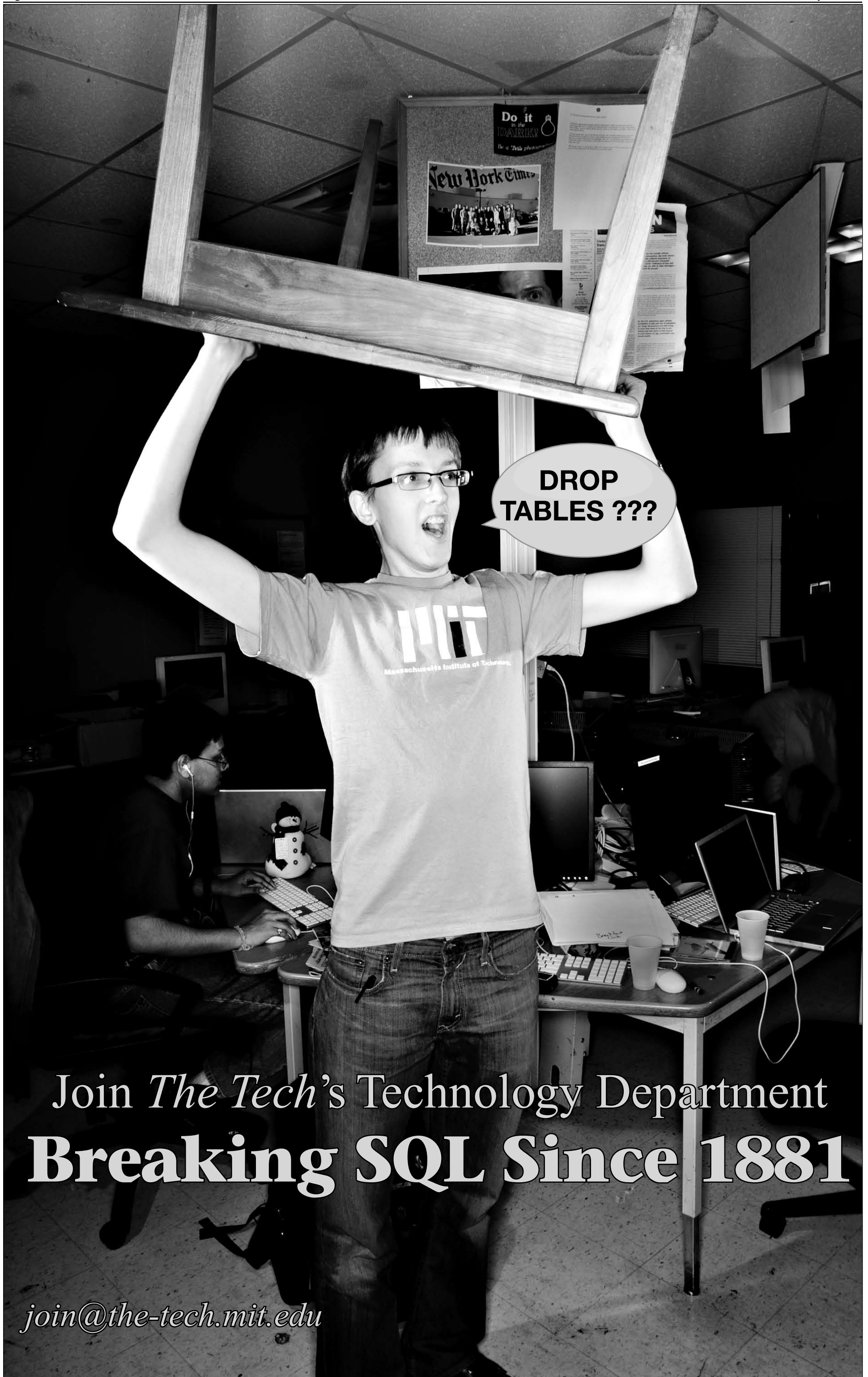
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Lab Explores Tech For Aging

Possibilities Include Smart Cars, New Medication Dispensers

AgeLab, from Page 1

adults plan for longevity and navigate often overwhelming amounts of information to make health and financial decisions.

The lab's dozens of projects include "empathy suits" that simulate arthritic hands and weakened vision, teaching companies and designers about what old age can feel like. Another effort draws on MIT research into a future Mars mission to create smart clothes that monitor chronic health conditions like osteoporosis.

"I don't know of anyone else doing this kind of work," said Kevin Donnellan, an executive vice president with AARP, the group for people over age 50.

With about 77 million baby boomers getting older, "there are potentially huge problems facing our country," Donnellan said.

AARP has partnered with the AgeLab on several projects, mainly involving the challenges when age makes driving difficult.

"We don't want to see people become isolated, prisoners in their homes," Donnellan said. He said addressing the issue with policies, technology and residential planning will take years, and "we can't wait until we're all there."

With 70 percent of Americans older than 50 living in suburbs or rural areas, driving is a lifeline, said Coughlin, who is 46.

"Even if you have your health, even if you have your 401(k), if you can't get there you're not participating in life, and life is a lot more than going to the doctor or the grocery store," he said.

A centerpiece of the lab's work for the last year and a half has been the Aware Car, an SUV tricked out with technology to study its driver. As computers record speed, traffic, lane changes and car performance,

sensors monitor the driver's heart-beat and breathing, while cameras track eye movement.

This happens as drivers face on-road challenges or potentially distracting in-car tasks, such as dealing with navigation systems, satellite radios or cell phones.

"We like to say we can put as much as we want in the closed confines of the car and the driver is capable of handling it," but there are limits, said AgeLab researcher Bryan Reimer, who studies how health and age affect driver behavior.

"Attention is a sphere of some size that dwindles with age," he said.

He said age raises other questions, such as can older drivers twist around to back up a car or respond quickly enough to avoid an accident?

Cars already are getting smarter, with technology to warn about lane changes and help avoid collisions. The AgeLab sees the trend continuing, with future cars slowing themselves in an accident and becoming more aware of how drivers feel.

One lab project with a major car maker would create personalized dashboards that limit distractions by morphing to display only relevant information like a speedometer and gas gauge, Coughlin said.

Baby boomers, who are wealthier, healthier and better educated than past generations, will demand such technologies, he said.

He said that unlike their parents and grandparents, boomers have "the expectation that they will live better tomorrow, the expectation that there are technologies, products, services and public policies that will be put in place to enable them to maintain their independence, their well-being and their connectivity with life."

When an aging boomer has an aching knee, popping a painkiller is not enough, Coughlin said. He said their response is: "Fix the knee. Re-

place the knee."

A variety of projects are on display at the lab, a warren of offices that opened in 2001 and is now dotted with data-filled computer screens and enthusiastic grad students.

Pill Pets, stuffed toys with LCD screens, simulate sickness and death if their owners fail to report they've taken their medications. The goal is to use emotion and fun to motivate people to better care for themselves.

Pharm Animals, a planned sequel, uses toy bunnies with guilt-trip powers. If grandma or grandpa doesn't confirm with their bunny that they've taken their pills, wireless signals tell a child's matched bunny to appear sick even if the two are a nation apart.

The lab also envisions future homes with remote checkup stations, appliances that allow people to regularly monitor weight, blood pressure, blood sugar and other health statistics. The data would go to a Web site or doctors to head off heart attacks, strokes and other emergencies.

"With the boomers, and in Western culture in general, technology is almost an act of faith," Coughlin said. "There's the belief that there's going to be a pill or product or hardware or software that's going to help me live better."

Solution to Crossword

from page 8

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Tierney Suggests Tax Code Change to Limit Endowment Growth

Endowments, from Page 1

The result is that America's already stratified system of higher education is becoming ever more so, and the chasm is creating all sorts of tensions as the less wealthy colleges try to compete. Even state universities are going into fund-raising overdrive and trying to increase endowments to catch up.

The wealthiest colleges can tap their endowments to give substantial financial aid to families earning \$180,000 or more. They can lure star professors with high salaries and hard-to-get apartments. They are starting sophisticated new research laboratories, expanding their campuses and putting up architecturally notable buildings.

Other campuses are fighting to retain faculty, and some, with less cachet, are charging tuition that rival Harvard's and scrambling to explain why their financial aid cannot match the most prosperous of the Ivy League.

"It's a huge difference," said Sandy Baum, an economist at Skidmore College. "You don't have to go very far down the food chain before you get to institutions that feel real constraints about how they spend money. Princeton can do what they want to do, but not many schools can."

Skidmore, in Saratoga Springs, N.Y., is not exactly poor; its endowment reached \$287 million last year. But the growth alone in Harvard's endowment last year was \$5.7 billion — a sum bigger than all but 14 other universities' total endowments.

Higher education has always been stratified, but the disparities were never as large as today. In the early 1990s, endowment income represented a small part of revenues at most colleges and universities. In 1990 Harvard's endowment was \$4.4 billion.

The last decade brought a sea change, as sophisticated money managers hired by the universities moved their portfolios into hedge funds, private equities and other high-performing investments, and endowments skyrocketed.

Yale's recent decision to raise the amount of money it draws from its endowment by more than \$300 million, for example, will give it \$1.2 billion in revenue from the endowment alone — roughly 45 percent of its yearly budget. Princeton is also at this level.

Until recently, top public research universities could count on enough public subsidy to hold their own, when the taxpayer money was combined with tuition and fund-raising.

"Having state support was akin to having an endowment," said Donald E. Frey, an economics professor at Wake Forest University in North Carolina.

But that world is changing. The University of California, Berkeley, a prestigious public institution, has a \$3 billion endowment, but it is stretched across 34,000 students.

And with state budget cuts looming, Robert J. Birgeneau, its chancellor, says he fears he will no longer be able to attract the best professors and students.

"It will cost less for a student from a family with an income of \$180,000 to go to Harvard than for a student with a family income of \$90,000 to go to Berkeley," he said, taking into account Harvard's recent decision to give more financial aid to families earning up to \$180,000 annually.

"I'm not criticizing Harvard," Dr. Birgeneau added. "They have done a great thing. I wish we were in a position to do it."

His answer is to build a larger endowment. Last year, Berkeley used a \$113 million gift from the William and Flora Hewlett Foundation to create an endowed fund to subsidize professors' salaries and to help recruit top graduate students. (The average salary for full professors at Berkeley in 2006-2007 was \$131,300, compared with \$177,400 at Harvard, according to the

American Association of University Professors.) Now Dr. Birgeneau wants to up the ante, with an \$800 million fund for student financial aid, to help Berkeley remain affordable to low- and middle-income students. He says half could be raised from donors, and the rest could come from the state.

Others, too, are seizing on the idea of endowments for public universities. Gov. Eliot Spitzer of New York recently proposed creating a \$4 billion endowment for public universities, to be paid for by selling part of the state's lottery business.

Virginia Tech, a state institution with a \$525 million endowment, is allocating nearly one-third of the money received in its current \$1 billion fund-raising campaign to its endowment.

Even as colleges race to raise their endowments, high tuitions have caused a backlash among parents, graduates and members of Congress, criticizing them for sitting on wealth. Typically, colleges spend less than 5 percent a year from their endowments.

"These institutions continue to build up their kitties," said Representative John F. Tierney, Democrat of Massachusetts. "They say it is the schools' money. But it is not all the schools' money. Some of it is. But when a donor gives them money, he is able to give more because he is not paying taxes. So some of what they have is federal money, every student's money, every family's money."

"It may be time to change tax policy," Mr. Tierney added.

The Senate Finance Committee, which oversees tax policy, recently asked the nation's 136 richest colleges and universities to provide a long list of financial data for the past 10 years, to show how they have set tuition and used their endowments.

Some educators, too, say universities may be too timid in their spending.

Lawrence H. Summers, the former president of Harvard, recalls that when he returned to the university as president in 2001 after being away for a decade, part of that as secretary of the Treasury, he was struck by the \$14 billion growth in the endowment, and thought some of the money should be used "for priorities of transcendent importance."

He allocated money for a new Allston campus, expanded financial aid for low- and middle-income students, and created a new school of engineering and applied sciences. Harvard's endowment spending rate in several of those years was 4.8 to 5.2 percent, higher than many of its peers.

Dr. Summers said that when investment returns were particularly high he believed spending at wealthier universities should go higher, too. "There is a temptation to go for what is comfortable," he said, "but this would be a mistake. The universities have matchless resources that demand that they seize the moment."

Princeton too has begun to spend more of its endowment returns for expansion, financial aid and research. Shirley M. Tilghman, Princeton's president, said the trustees decided to expand the student body in 2001, after the endowment had undergone a few years of "extraordinary growth," because they felt "that a university that had as many resources as we did should educate as many students as it could without losing its character."

But Dr. Tilghman said universities had to keep the balance right. "We are all forgetting that we have been through a 30-year period of a sort never been seen in this country, in terms of the creation of wealth and in terms of prosperity," she said. "If we were to begin to spend more in the belief that there will be another 30 years like the last 30 years, that would be irresponsible."

Donors like Allan Demaree agree: "We want make sure the people who come after us have the same advantages we did."



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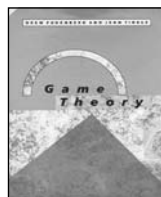
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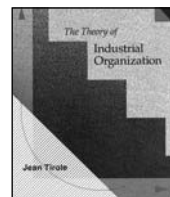


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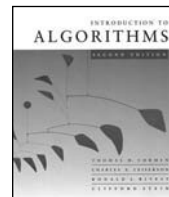
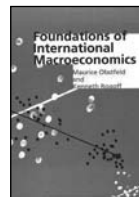


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Winning Team Employed Strong Strategy and Implementation

6.370, from Page 1

ning sets until they encountered the undefeated In Memory of James Albrecht, composed of team members Albert R. Ni '09, Hyun S. Kim '09, Yufei Zhao '10 and Daniel Gulotta '07. The team is named after James T. Albrecht '08, who died in the summer of 2007 while working in New York City as an intern for D.E. Shaw & Co.

In the first set of matches against In Memory Of James Albrecht, setBang lost the first two, leaving In

Memory of James Albrecht undefeated.

Because it was a double-elimination tournament, setBang encountered In Memory Of James Albrecht again in what turned out to be a thrilling conclusion to the event. Shocking everyone, setBang gave In Memory Of James Albrecht its first loss in the first match of three. In Memory of James Albrecht lost because of a lack of "a bit of aggressiveness," according to one of the team's members. But In Memory of James Albrecht beat setBang in the intense two remain-

ing games, winning \$5000, a trip to New York courtesy of D.E. Shaw, and "eternal glory," in the words of Stein.

The finalists had varied strategies. Some teams focused on defense, some on offense, and others on adapting to their opponents' strategies.

"The winning strategy had a rock solid implementation and didn't lose a single best of 3 match in any of our tournaments," said Stein. The strategy focused on regrouping, keeping the army strong, and protecting the team's crucial archons — energy-producing robots with the ability to create other robots.

Second prize, \$4000, was awarded to setBang, comprised of Enrique J. Cintron '11, Adam J. Spanbauer '11, and Shawn S. Westerdale '11. Third place, \$3000, was awarded to Bad Dudes, made up of Thomas D. Belulovich '09, Griffin Chronis '08, and Adam P. Rosenfield '08. The top sixteen teams earned cash prizes.

But the prizes were not only distributed based on final rankings. "Best Strategy," awarded by D.E. Shaw, was presented to Bettercode. "Most Helpful Bug Reports" went to Trite Ablative Maelstrom. According to Stein, the team members of Trite Ablative Maelstrom decompiled the BattleCode engine and sent a fix to the directors. "Best Team Name," awarded by BAE Systems, went to Chuck Norris Knows if a Program Halts. One of the winners of "Best Team Formation," HEARTBEATZ, formed the letters "LOL" with their units before starting every match.

Solution to Sudoku
 from page 8

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

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Move From Coal to Gas Raises Risk of Price Increase

By **Matthew L. Wald**
THE NEW YORK TIMES

WASHINGTON

Stymied in their plans to build new coal-burning power plants, American utilities are turning to natural gas to meet expected growth in demand, risking a new spiral in the price of that fuel.

Utility executives say they have little choice. With opposition to coal plants rising across the country, they see plants fired by natural gas as the only kind that can be constructed quickly and can supply reliable power day and night.

But North American supplies of natural gas will be flat or declining in coming years, according to the Energy Information Administration. The United States already has high natural-gas prices, a problem that has hurt homeowners and many industries, like chemical and fertilizer producers. Some experts fear a boom in gas demand for electrical generation will send prices even higher.

It has happened before: The price of natural gas tripled in the late 1990s and early in this decade, partly because so many companies built generators to use the fuel. In some places, the power plants became white elephants as higher gas prices made them too expensive to operate, compared with coal plants.

Now, with many coal plants being canceled and demand for electricity rising by 2 percent or so a year, the prospect is that utilities will be forced to build and use a new generation of gas-fired plants regardless of the operating cost — and consumers will bear the burden of higher electric rates.

“Coal has been removed in many places as an option,” said Art Holland, a vice president of Pace Global Energy Services, a consulting firm in Washington that advises utilities. New nuclear plants are on the drawing board but will take at least a decade. Sun and wind power, though

growing, remain a small part of the nation’s electricity mix, and they provide only intermittent power.

“We’re having by default to fall back on gas, as though we learned no lesson from the gas-fired boom,” Holland said.

A wave of public opposition to coal-burning plants, motivated partly by broad fears about global warming and partly by local aesthetic concerns, is making their construction more difficult. On Monday, Wall Street weighed in: Three big investment banks announced that in deciding whether to make loans for new coal plants, they would calculate the proj-

“Coal has been removed in many places as an option,” — Art Holland, VP of Pace Global Energy Services

ects’ financial viability, taking into account potential future charges for carbon dioxide emissions.

Citigroup, JPMorgan Chase and Morgan Stanley said they had negotiated this policy with seven major utility companies, most of them major coal burners, and two advocacy groups, the Natural Resources Defense Council and Environmental Defense.

Power generated with natural gas is already sold at a premium. In Florida, for example, where five coal projects have been derailed in the last year, Barry Moline, the executive director of the Florida Municipal Electric Association, looks at Tallahassee’s municipal utility as an indicator of the future.

It is nearly 100 percent gas fired,

he said, while Gulf Power, to the west, is 70 percent coal. Tallahassee’s electrical rates are about 40 percent higher than Gulf Power’s.

Companies that have canceled coal plants have two immediate options other than building gas plants. They can work to hold down customer demand, though most would have to do so on a far more ambitious scale than before. Or they can wait to see what happens.

Experts say electricity shortages are a distinct possibility in coming years.

“There’s going to be a lot of white knuckles, frankly, as building does not go forward aggressively on any kind of plant, and demand keeps going up,” said Ernest J. Moniz, a physics professor at the Massachusetts Institute of Technology and a former under secretary of the Department of Energy.

Government statistics lag too much to have captured the shift toward gas-fired power plants, but anecdotal evidence abounds. Tampa Electric in Florida, PacifiCorp in Wyoming and Utah and Southwestern Power Group in Arizona are among the companies planning or studying gas-fired plants.

Coal companies, while acknowledging some high-profile plant cancellations, say they expect continued growth in coal-fired generating capacity, albeit at a more moderate rate. Pace, the consulting firm, recently cut by a third its projection for new coal-fired generating capacity between now and 2025, while doubling its estimate of the amount of gas-fired capacity likely to be built.

“Prior to 2007 there was a buildup, and a momentum for people planning to go in the direction of pulverized coal-fired plants, and during ’07 there was definitely a downturn,” said Ronald J. Ott, the director of coal plant construction at Black & Veatch, an engineering and construction company specializing in electrical projects.

Amid concern about coal emissions linked to global warming, he said, his company’s clients have tripled the number of natural-gas projects under discussion.

Barry K. Worthington, executive director of the United States Energy Association, a trade group in Washington, said that some coal plants may have been canceled because of fear of carbon dioxide emissions or fear of future carbon taxes, but another factor was a rapid rise in construction costs for power plants.

“The cost of everything has just skyrocketed,” he said. Natural gas plants have less steel and concrete

“The cost of everything has just skyrocketed,” — Barry K. Worthington, Executive Director of the U.S. Energy Association

than coal plants and require less labor to build.

Florida Power & Light is a good example of the shift. The company has 4.5 million customers; it is adding about 85,000 a year, and demand from existing customers is rising. Last June, the Florida Public Service Commission killed the company’s plan for a big coal-fired plant near Everglades National Park that would have come into service in 2013 or 2014.

FP&L began looking immediately at two sites for solar power and at other renewable options, but could come up with enough of those to replace only a fraction of the power it would have generated at the coal plant. So the company decided to accelerate construction on a long-planned addition to an existing gas plant.

Gas may appear to make sense for individual utilities, said Revis James, the director of the Energy Technology Assessment Center at the Electric Power Research Institute, a utility consortium. The problem will come if many utilities pile into gas-fired electricity generation at once, he said, driving up demand and prices.

Environmental groups have long argued that utilities should focus on cutting demand for power, rather than just building new capacity. While it may be counterintuitive to think a business could profit by selling less of its product, some states let utilities earn money by auditing their customers’ energy use and helping them buy more efficient equipment. But most states, and most utilities, have yet to embrace this approach, which would need to be applied far more broadly to make a dent in American electricity demand.

In the meantime, some utilities have decided to sit tight, building no new capacity as they wait for a clear global-warming policy to emerge from Washington. James, of the research institute, called this an “uncomfortable” transition period.

“We probably will have low-carbon technologies in future on a cost effective basis, but we don’t have them right now,” he said. “Yet demand continues to grow.”

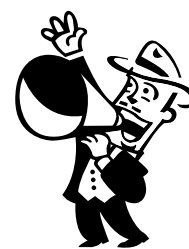
Solution to Bonus
from page 8

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I	C	E	A	C	E	T	I	C	S	T	A	Y		
C	O	R	N	E	A	A	C	T	A					
C	A	T	S	F	I	G	H	T	T	H	E	R	E	
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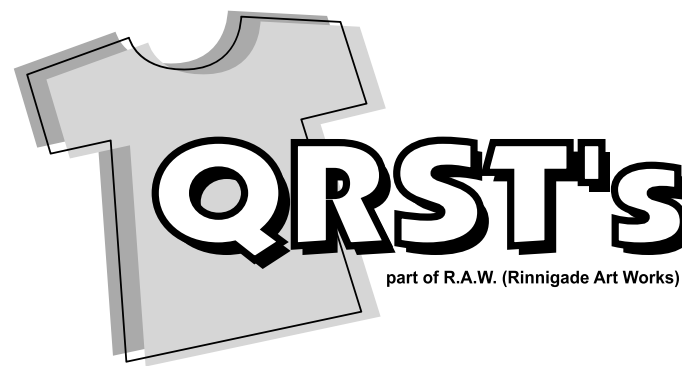
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SPORTS

Celtics, Pistons Dominate List Of Contenders in Depleted East

By Dennis L. Ramdass

Now that the NFL playoffs have ended (in the saddest possible fashion) and the baseball season is still some time away, sports fans have time to focus on basketball. As the NBA approaches its annual All-Star game a week from Sunday, the Eastern Conference still remains the weaker of the two conferences, but boasts two of the league's strongest title contenders: the league-leading Boston Celtics and the perennial powerhouse Detroit Pistons.

The Celtics are off to their statistically best start in franchise history. The main reason for this is Kevin Garnett. The Celtics' forward is a leading Most Valuable Player candidate, combining his usual All-Star level numbers with his infectious energy and intensity on both sides of

the ball. Guard Ray Allen has yet to hit his stride offensively, but forward Paul Pierce has once again shown us why he is an All-Star.

The trademark of this Celtics team, however, has been their stingy defense, which gives up a league low 88.80 points per game. This is a big reason I think they can do well in the playoffs.

The biggest question towards the end of the season for the Celtics will be whether point guard Rajon Rondo can lead this offense in the playoffs. Rondo has been quite good this season, but his lack of experience could hurt him during the pressure-filled playoffs. Boston is trying to get Rondo some veteran help down the stretch though, and appears determined to pry Sam Cassell from the Clippers. If successful, the acquisition would fill a major piece of a po-

tential championship puzzle.

The Detroit Pistons are the true "Beasts of the East," as they continue to be the biggest roadblock for any upshot contender in the East. They still put the league's best starting five on the floor every night, led by Chauncey Billups who is having one of his best years. Detroit continues to play with high intensity and toughness on defense, and for good measure, they still lead the league in complaining about calls (unofficially of course). Their bench is as deep and talented as ever, and it would take a Herculean effort to knock these Pistons off (see LeBron James' Cleveland Cavaliers last year).

King James' Cavs may again rule the East though. The Cavs are riding high on the ridiculously great play of their superstar leader. James has lived up to, and even exceeded, the considerable expectations placed upon him when he entered the NBA. This year, he may very well put on his Superman cape in the playoffs and single-handedly lead his team to the NBA Finals, like he did last year.

The only other real contender in the East is the Orlando Magic. Center Dwight Howard is already an All-Star and is destined to be a dominant force in the game for a long time. Former Seattle Sonics forward Rashard Lewis has helped the Magic this season, but the X-factor has been the performance of point guard Hedo Turkoglu. The skillful Turkish national has put up fantastic numbers and is the most glaring omission from the All-Star game, but it's still unclear whether he, and Orlando, can continue to maintain this high level of play.

Besides these top contenders, some of the other teams in the East are still worth watching.

Look for the Washington Wizards to be a force when Gilbert Arenas comes back. The Toronto Raptors have been quietly doing well, and I'm not quite ready to give up on the Chicago Bulls just yet. The Miami Heat, just two years removed from an NBA title, are shockingly dreadful and seem to have thrown in the towel by trading Shaquille O'Neal to Phoenix for Shawn Marion and Marcus Banks.

That's all for the Eastern Conference wrap-up. A few trades in the East could shake things up, but don't expect anything bigger than possibly Cassell to Boston. Next week, we'll take a look at the wild, wild Western Conference.

Alpine Skiing Competes in MIT-Brown Carnival

For the third race in a row, Timothy F. Pier '08 claimed a spot in the top ten as he finished sixth in the slalom with a time of 1:57.08 at the MIT-Brown University Carnival held this past weekend. The men's alpine skiing team placed seventh in the slalom event on Saturday, while they moved up a slot to sixth in Sunday's giant slalom. On the women's side, MIT finished ninth in both events.

After Pier's placement, the next Engineers to finish were Adam Bockelie '11, who finished 40th with a time of 2:13.37, Jacob A. Stultz G (41st, 2:13.94), Darren J. Verploegen '08 (49th, 2:21.89), and Ian C. Wolfe '10 (50th, 2:23.42).

Like the men's team, the women skiers finished the slalom very close together. Rachel C. Leuthold '11 and Jessica R. Stanley '08 placed 43rd (2:12.03) and 45th (2:17.04) while Jillian R. Reddy '11 and Alexis Dale '09 claimed 65th (2:43.37) and 67th (2:44.07).

Pier paced the men's team in the giant slalom by claiming 24th place with a time of 2:02.00, with Stultz (30th, 2:05.89), Michael J. Yurkerwich '11 (34th, 2:06.16), and Bockelie (36th, 2:08.25) following closely behind.

Leuthold registered the top finish for the women Engineers in the giant slalom as she logged a combined time of 2:19.00 for 39th place. Stanley's total of 2:26.54 earned her a ranking of 48th to bolster MIT's efforts.

—DAPER Staff

Column

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— John Black, BostonNOW

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MIT (12-9, 3-5 NEWMAC ¹)	60
Springfield College (8-11, 3-4)	61

Women's Basketball	
Wednesday, Feb. 6, 2008	
MIT (9-10, 2-6)	42
Springfield College (11-8, 6-2)	68

Men's Ice Hockey	
Wednesday, Feb. 6, 2008	
Westfield State College (7-7-1)	6
MIT (11-3-0)	4

Men's Volleyball	
Tuesday, Feb. 5, 2008	
Endicott College (0-1, 0-1 NECVA NE ²)	2
MIT (1-0, 1-0)	3

¹New England Women's and Men's Athletic Conference
²North East Collegiate Volleyball Association New England Division

UPCOMING HOME EVENTS

Friday, Feb. 8, 2008	
Pistol Sectional	5 p.m., duPont Athletic Center
Saturday, Feb. 9, 2008	
Rifle vs. U.S. Coast Guard Academy	9 a.m., duPont Athletic Center
Pistol Sectional	9 a.m., duPont Athletic Center
Squash vs. Colby College	10 a.m., Zesiger Center
Men's Basketball vs. U.S. Coast Guard Academy	1 p.m., Rockwell Cage
Women's Gymnastics vs. Southern Connecticut State University, State University of New York at Brockport	1 p.m., duPont Gymnasium
Men's Gymnastics vs. Springfield College	1 p.m., duPont Gymnasium
Men's Volleyball MIT Invitational	5 p.m., Rockwell Cage
Sunday, Feb. 10, 2008	
Men's Volleyball MIT Invitational	10 a.m., Rockwell Cage
Monday, Feb. 11, 2008	
Women's Basketball vs. Newbury College	7 p.m., Rockwell Cage

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