

24 Broad Institute DNA Scientists Were Laid Off on Tuesday

By Michael McGraw-Herdeg
EXECUTIVE EDITOR

Twenty-four MIT employees were fired yesterday morning from the Broad Institute of MIT and Harvard. Their jobs have been made redundant by new technology, the institute said in a press release.

These may be the first mass firings since MIT announced its "hiring slowdown" in November 2008, although the Broad Institute (pronounced BRODE) took care to say that the layoffs were the result of a technology shift and not related to the global recession. A spokesman from the MIT News Office could not confirm whether any other mass layoffs had occurred at MIT since November.

The fired scientists and technicians operated machinery that read the genetic sequence of strands of DNA, a research technology used by such endeavors as the Human Genome Project. A "next-generation" approach of sequencing DNA can work a hundred times more efficiently than the current technology, but mastering that approach requires learning entirely new techniques.

The layoffs mirror a similar action by the J. Craig Venter Institute, in Rockville, MD, which in early De-

cember 2008 announced that it had fired 29 staff whose work had been supplanted by machines. The press release was subtitled "New, More Efficient Technologies Require Less Machines, Less Space and Fewer People to Run."

"We, like most other sequencing centers, have been slowly replacing older generation, Sanger sequencing technologies with newer machines," wrote founder J. Craig Venter in the press release. "In some cases one new DNA sequencing machine can now do the work of 100 older generation machines," Venter wrote.

The MIT layoffs were "not a decision that is made lightly or happily," said Broad Communications Director Fintan R. Steele. The workers' obsolescence arose as a problem only weeks ago, he said. It was not clear for how long Broad had been using the machines which made the workers obsolete.

"We're kind of at the mercy of the technology changes," he said.

On Tuesday morning, Broad community members read an e-mail from director Eric S. Lander announcing the decision to fire the 24 workers.

Broad Firings, Page 12

Four Thousand Flock to MIT to Seek Jobs Overseas

Boston Provides a Hub for Recruiters and Aspirants

By Omar Abudayyeh
STAFF REPORTER

The 13th European Career Fair was held at MIT this past Saturday, attracting candidates and employers from all over the world amidst a bleak economy. Over 4,000 candidates from more than 16 countries seeking internships and jobs sent their resumes in and attended the fair this year.

Students from all over the region were drawn to the fair. While standing in line to talk to the automobile company Audi, Ian Tracy '11 discovered that the person behind him was a student from Boston University, and the person in front of him was from

Columbia University. These companies recruit infrequently in the United States, only coming to central locations like Boston, said Tracy, a mechanical engineering student.

Although the fair still attracted a strong crowd, the number of companies attending the fair dropped from 140 last year to 114, said Arne Hessenbruch, a visiting lecturer in charge of marketing and public relations for the fair.

Hessenbruch explained that the companies had to commit to attending the fair in October, when the financial

EuroCareer Fair, Page 14

MIT Dining Committee Releases Documents

By Robert McQueen
ASSOCIATE EDITOR

Will next year's incoming freshmen pay a mandatory fee for food? The "Blue Ribbon Committee" of students and administrators charged with determining the future of MIT dining has reported no new progress toward articulating a food policy since early December, when *The Tech* reported that a mandatory fee was among the committee's proposals.

The committee has, however, released documents that reveal information not previously made publicly

available, including a full list of the committee's 20-some members, a description of surveys conducted by the committee (but not their results), and a set of answers from committee representatives to student questions. The documents can be found at <http://tech.mit.edu/V128/N65/blueribbonupdate/>.

A dominant idea in the committee's discussion was reported to be a "minimum nutritional fee," intended to improve student nutrition by making students buy more meals at dormitories and local restaurants.

In a survey commissioned by the

committee, both undergraduates and graduate students indicated an interest in healthy eating habits. But less than 20 percent of undergraduates and 30 percent of graduate students characterized their diets as "well-balanced" in the survey, the committee said in the questions and answers document. Securing nutritious options for students is a goal of the committee.

Based on its surveys, the committee made a list of recommendations for changes to dining at MIT. In Decem-

Slow Dining Progress, Page 14

World & Nation 2
Opinion. 4
Arts 6
Campus Life 8
Comics / Fun Pages . . . 9
Sports 16



MICHAEL Y. MCCANNA—THE TECH

Contestants and organizers look on as two autonomous robots strive for the most points in the mock competition for 6.270 Autonomous Lego Robot Design. The final competition will be on Thursday, January 29 in 26-100 at 6 p.m.

Anonymous Benefactor's Money Will Keep Empty W1 Looking Good

By Shreyes Seshasai
STAFF REPORTER

Partial renovations to the W1 residence hall, the former Ashdown, will begin this spring after all, thanks to a gift from an anonymous donor. Work will be limited to the exterior of the building, and will not impact the Institute's plan to delay the opening of W1 until after 2010. The size of the gift was not disclosed.

The renovations this spring will focus on preserving the exterior of the building, including the windows, lintels and sills, parapets, and general masonry. The building's two cupolas will also be re-clad with new copper roofs.

These outdoor renovations were given higher priority as the outside of the building has a higher chance of deteriorating over time than the inside, said Kirk Kolenbrander, Vice President for Institute Affairs and Secretary of the Corporation.

A timeline for resumption of the rest of the renovations is still unclear.

The money did not come from the existing Campaign for Stu-

dents fund, but is instead "entirely new," Kolenbrander said. The entire pledged donation has actually been committed to MIT, with the money to go toward the rehabilitation of the building.

Dean for Student Life Chris Colombo met with students in the Phoenix Group on Monday to share news of the gift. "The students for the most part were pleased," said Colombo. "We all want the building to be ready as quickly as possible."

Members of the Phoenix Group — a group of undergraduates currently living in Ashdown House (NW35) who will form the first community of W1 — were not consulted on how to best use the money of the gift.

Kolenbrander speculated that the donor probably wanted prog-

ress on the dormitory to continue, and renovating the outside was the best choice, given the uncertainty in when the rest of the renovations will continue.

"The gift is just the starting point," said Colombo. "For now, we will do all the work that we can do externally to the building."

Colombo and Kolenbrander both did not know the amount of the gift, nor the identity of the donor.

"Anonymous donations are a wonderful part of our history," Kolenbrander said, citing the example of George Eastman, who as "Mr. Smith" provided the money to build MIT's Cambridge campus in what is now the main group.

"The donor feels strongly that

W1's Donation, Page 13

Lost a Bike? It Might Be in NW62

If you left your bicycle chained to the "NO BICYCLE PARKING" signs outside the Student Center on Tuesday morning, and you can't find it, your bike might now be in NW62.

More than a dozen bikes were taken away in an MIT Facilities truck yesterday morning as workers prepared to install new racks. Signs were posted on the old racks on Sunday telling students to relocate their bikes. The three Facilities workers who loaded bikes into their truck said that the bikes could be retrieved from Grounds Services in NW62, just a little past Random Hall on Massachusetts Ave. To retrieve your bike, contact the Campus Police at 617-253-2996.

—Robert McQueen

In Short

¶ **The Lecture Series Committee's Reg Day Challenge** is in effect for *Quantum of Solace*, the James Bond movie showing on Reg Day in 26-100. If 10 percent of the residents of a dorm or living group pay for admission, that dorm gets free admission to an LSC movie of their choice.

¶ **William Arning, curator of the List Visual Arts Center**, will be leaving List to become Director of the Contemporary Arts Museum in Houston. Arning starts the prestigious new job on April 6; he has been at List since 2000.

¶ **Cambridge has declared a snow emergency** as of 8:00 a.m. today,

so parking is prohibited on Snow Emergency streets. A winter storm warning is in effect through 3 p.m. today, with 3–6 inches of snow expected.

¶ **Registration Day** is Monday, Feb. 2, and Tuesday is the first day of classes. *The Tech* resumes regular twice-weekly publication on Tuesday.

¶ **Dean Chris Colombo and wife Bette Colombo** were named Housemasters at Next House on Dec. 16, filling the vacancy left by Muriel Medard and John Simmons. "We feel honored," they said last night.

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

OPINION

Proportionality and the Gaza War

Page 4

The Inauguration

Page 5

NEWS

Top MIT salaries Page 14

Compensation	
Susan Hockfield	\$808,698
Donald Lessard	\$657,520
Seth Alexander	\$530,280

WORLD & NATION

John Updike, Chronicler of Small-Town America, Dies at 76

By Christopher Lehmann-Haupt
THE NEW YORK TIMES

John Updike, the kaleidoscopically gifted writer whose quartet of Rabbit novels highlighted a body of fiction, verse, essays and criticism so vast, protean and lyrical as to place him in the first rank of American authors, died on Tuesday in Danvers, Mass. He was 76 and lived in Beverly Farms, Mass.

The cause was cancer, according to a statement by Knopf, his publisher. A spokesman said Updike had died at the Hospice of the North Shore in Danvers.

Of Updike's dozens of books, perhaps none captured the imagination of the book-reading public more than those about ordinary citizens in small-town and urban settings. His best-known protagonist, Harry "Rabbit" Angstrom, first appears as a former high-school basketball star trapped in a loveless marriage and a sales job he hates. Through the four novels whose titles bear his nickname — "Rabbit, Run," "Rabbit Redux," "Rabbit Is Rich" and "Rabbit at Rest" — the author traces the funny, restless and questing life of this middle-American against the background of the last half-century's major events.

Philip Roth said Tuesday: "John Updike is our time's greatest man of letters, as brilliant a literary critic and essayist as he was a novelist and short story writer. He is and always will be no less a national treasure than his 19th-century precursor, Nathaniel Hawthorne. His death constitutes a loss to our literature that is immeasurable."

John Hoyer Updike was born on March 18, 1932, in Reading, Pa., and grew up in the nearby town of Shillington. He was the only child of Wesley Russell Updike, a junior-high-school math teacher of German descent, and Linda Grace (Hoyer) Updike, who later also published fiction in The New Yorker and elsewhere.

Geithner Sets Limits on Lobbying For Bailout Funds

By Charlie Savage
THE NEW YORK TIMES

WASHINGTON

The new Treasury secretary, Timothy F. Geithner, announced Tuesday that he would crack down on lobbying to influence the \$700 billion financial bailout program by companies that are receiving billions in taxpayer funds.

Among other steps, the Treasury Department said it would make public a log of all contacts by public officials and bank officials regarding specific financial institutions. The log will be posted on the department's Web site and updated weekly, it said.

Eugene Volokh, a constitutional law professor at the University of California, Los Angeles, said there was no legal impediment to barring Treasury officials from talking about specific matters with lobbyists, although the First Amendment would not permit the government to forbid people from trying to lobby it.

Dissidents at FDA Complain of Inquiry

By Gardiner Harris
THE NEW YORK TIMES

Nine dissident scientists at the Food and Drug Administration sent a letter to President Barack Obama on Monday stating that agency officials may have started a criminal investigation into their complaints that agency officials forced them to approve medical devices inappropriately.

"It has been brought to our attention that FDA management may have just recently ordered the FDA Office of Criminal Investigations (OCI) to investigate us rather than the managers who have engaged in wrongdoing!" states the letter, which was provided to The New York Times. "It is an outrage that our own agency would step up the retaliation to such a level because we have reported their wrongdoing to the United States Congress."

Heidi Rebello, an FDA spokeswoman, said she could neither confirm nor deny the existence of a criminal investigation.

Outcry Over a Plan to Sell Brandeis Museum's Holdings

By Randy Kennedy and Carol Vogel
THE NEW YORK TIMES

The Massachusetts attorney general's office said on Tuesday that it planned to conduct a detailed review of Brandeis University's surprise decision to sell off the entire holdings of its Rose Art Museum, one of the most important collections of postwar art in New England.

The decision to close the 48-year-old museum in Waltham, Mass., and disperse the collection as a way to shore up the university's struggling finances was denounced by the museum's board, its director and a wide range of art experts, who warned that the university was cannibalizing its cultural heritage to pay its bills.

"This is one of the artistic and cultural legacies of American Jewry," said Jonathan Lee, the chairman of the museum's board of overseers, who said that "nobody at the museum — neither the director nor myself nor anyone else — was informed of this or had any idea what was going on."

Jehuda Reinharz, the university's president, said in a statement that the decision, made on Monday by the university's trustees, was agonizing but

necessary as Brandeis faces a deepening financial crisis, with its endowment, once \$700 million, significantly diminished. "Choosing between and among important and valued university assets is terrible, but our priority in the face of hard choices will always be the university's core teaching and research mission," he wrote.

The museum's collection includes some 6,000 works — among them seminal paintings by artists like Robert Rauschenberg, Jasper Johns, Andy Warhol and Roy Lichtenstein — that are believed to be worth \$350 million to \$400 million, although they could bring less in the current ailing art market.

"It couldn't be a worse time to sell expensive art," said Robert Storr, the prominent curator and art historian. "It is not only unprincipled, but bad economics."

He added: "This sets a terrible precedent. The Rose Art Museum has been known for four decades as a hospitable place to show serious and challenging art in an academic context. They are throwing away one of their prime assets."

Johns, represented in the collection by the 1957 painting "Drawer," which

was on view in a large exhibition of his work last year at the Metropolitan Museum of Art, said when notified on Tuesday of the closing: "I find it astonishing. I've never heard anything like it."

Emily LaGrassa, director of communications for the state attorney general, Martha Coakley, said that Brandeis had informed the office on Monday of its decision, but had not consulted with the attorney general in advance. The attorney general has approval powers over certain actions of nonprofit institutions in the state.

LaGrassa said that in the case of Brandeis, the attorney general would review wills and agreements made between the museum and the estates of donors to determine if selling artworks violated the terms of donations. "We have not yet offered any opinion on any aspect of the proposed sales," she said, adding, "We do expect this to be a lengthy process."

Dennis Nealon, a spokesman for the university, said it would have no comment on any legal questions related to the proposed closing and the sale of the art. The university said in a statement that the Rose would shut down by late summer and be turned into a teaching center with a gallery.

'Mini-Madoffs' Ran Their Own \$100 Million Ponzi Schemes

By Leslie Wayne
THE NEW YORK TIMES

Their names lack the Dickensian flair of Bernie Madoff, and the money they apparently stole from investors was a small fraction of the \$50 billion that Madoff allegedly lost of his clients' savings.

But the number of other people who have been caught running Ponzi schemes in recent weeks is adding up quickly, so much so that they have earned themselves a nickname: mini-Madoffs.

Some of these schemes have been operating for years, and others are of more recent vintage. But what is causing them to surface now appears to be a combination of a deteriorating economy and heightened skepticism about outsize returns after the revelations about Madoff. That can scare off new clients and cause longtime investors to demand their

money back, which brings the charade tumbling down.

"There is no way for a Ponzi to survive given the large number of redemptions and a lack of new investors," said Stephen J. Obie, the head of enforcement at the Commodity Futures Trading Commission. The agency has experienced a doubling of reported leads to possible Ponzi schemes in the last year, and its enforcement caseload has risen this year.

On Monday, at a suburban New York train station, Nicholas Cosmo surrendered to federal authorities in connection with a suspected \$380 million Ponzi scheme, in which investors paid a minimum of \$20,000 for high-yield "private bridge" loans that he had arranged.

Cosmo promised returns of 48 percent to 80 percent a year, and none of his investors apparently minded —

or knew — that Cosmo had already been imprisoned for securities fraud. In the end, 1,500 people gave him their money, often through brokers who worked on his behalf.

And in Florida, not far from the Palm Beach clubs where Madoff wooed some of his investors, George L. Theodule, a Haitian immigrant and professed "man of God," promised churchgoers in a Haitian-American community that he could double their money within 90 days.

He accepted only cash, and despite the too-good-to-be-true sales pitch, he found plenty of investors willing to turn over tens of thousands of dollars.

"The offices were beautiful, and I was told it was a limited liability corporation," said Reggie Roseme, a deliveryman in Wellington, Fla., who lost his entire savings of \$35,000 and now faces foreclosure on his home.

WEATHER

Snow!

By Elizabeth Maroon

A storm that just left the South and Midwest hits us today, bringing the Boston area snow, freezing rain and sleet within the next 12–24 hours. This storm affected many communities from Texas to Ohio yesterday. Arkansas, Kentucky and Oklahoma were especially hard hit by ice from the storm; power lines and tree branches were downed, and many lost electricity. Snow fell to the north of the ice belt, with white accumulations from Illinois to Ohio. The storm moved our way into the northeast early in the am. The commute this morning should be hit by the hardest of the snow and sleet from this storm. This afternoon, Boston should see the snow changing into sleet and freezing rain as warmer air will be move in. How much snow and how much frozen stuff will we see? Expect from 3–6 inches of snow, with more emphasis on the lower side of this estimate. After 3 p.m., rain and sleet could total as much as a half of an inch or more.

Tonight, this fast-moving storm will keep moving, leaving rain and snow for us, although the majority of the precipitation is already behind us. By the early morning hours, around 3–5 a.m., any remaining snow and rain should end. Tomorrow will be partly cloudy to sunny and breezy with wind from the west. It'll be partly cloudy and chilly tomorrow night. Friday sees more clouds and a very slight chance for snow, although weekend skiers headed for New Hampshire and Vermont should not expect any new powder other than what was laid by today's storm.

Extended Forecast

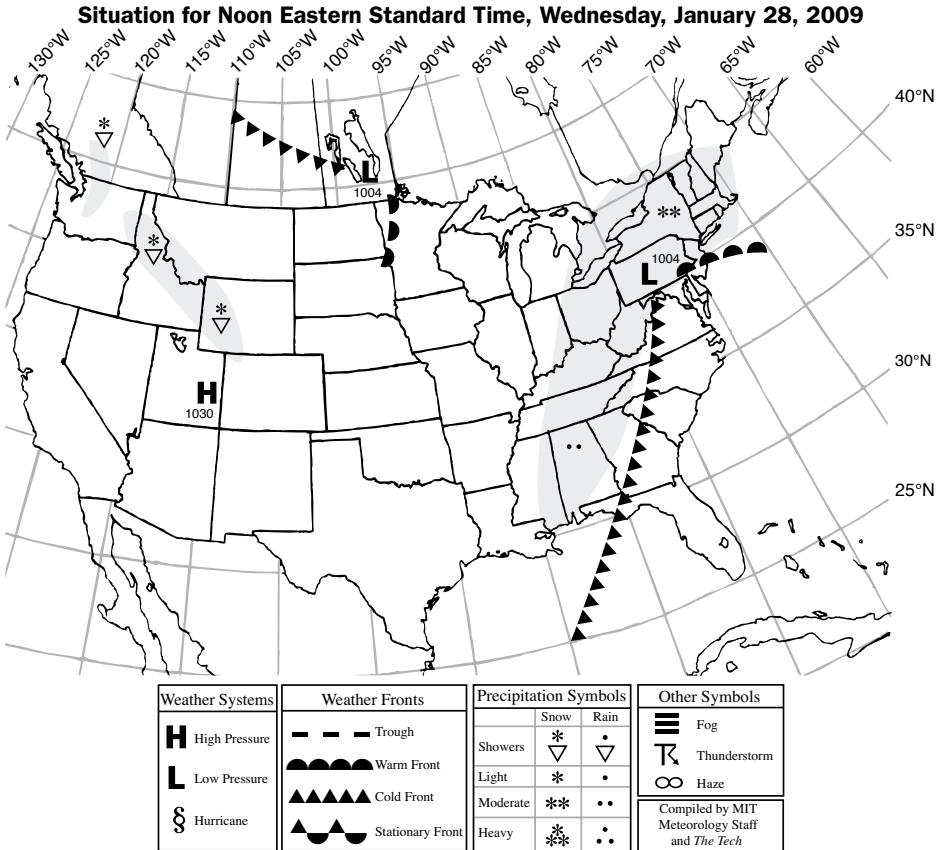
Today: Snow changing to sleet and rain as the day, high around 37°F (3°C).

Tonight: Low in the upper 20s°F; rain and snow continuing until 4 a.m.

Thursday: Dry; partly cloudy to sunny with a high near 32°F (0°C).

Thursday night: Cloudy and chilly with a low in the upper teens.

Friday: Cloudy with a very slight chance of snow. High in the lower 30s°F.



Murder-Suicide Leaves 7 Dead in California

By Rebecca Cathcart and Randal C. Archibold
THE NEW YORK TIMES

LOS ANGELES
A man shot and killed his wife and five young children before taking his own life Tuesday, apparently out of despair after the couple lost their jobs at a hospital, the police and city officials said.

Officers responding to 911 calls placed by the man, Ervin A. Lupoe, and by a television station to which Lupoe had sent a fax around 8:30 a.m., found seven bodies in a house in Wilmington, a working-class neighborhood near the Port of Los Angeles.

A police spokesman said the bodies were identified as Lupoe; his wife, Ana; their 8-year-old daughter and two sets of twins (5-year-old girls and 2-year-old boys).

Lupoe had telephoned and sent a fax to KABC-TV that indicated “he was despondent over a job situation and he saw no reasonable way out,” said Lt. John Romero, a police spokesman.

The two-page, typewritten letter made clear he was going to kill

his family and himself. The station quickly called 911 to report the letter and then posted it on the station Web site after the bodies were discovered.

The letter said Lupoe and his wife had worked as medical technicians at a Kaiser Permanente hospital in West Los Angeles, but recently lost their jobs after a dispute with an administrator.

The administrator, it said, had asked them on an unspecified day why they had come to work, and then added, “You should have blown your brains out.”

Two days after the confrontation, the letter said, the Lupoes lost their jobs and began planning their deaths and those of their children.

“Why leave the children to a stranger?” Lupoe said his wife had asked. “So, here we are,” he wrote.

Kaiser Permanente officials issued a statement confirming the couple had worked at their hospital in West Los Angeles but would not say when they had lost their jobs or provide other details. “We are deeply saddened to hear of the deaths of

the Lupoe family,” the statement said.

Although the police are treating the case as a murder-suicide, Deputy Chief Kenneth Garner said the police were still sorting through a discrepancy.

Contrary to his fax and reported call to the television station, the man told a 911 operator he had arrived home and found his family dead, Garner said. But investigators found a revolver next to Ervin Lupoe’s body, the only weapon in the home, he said.

The police said they found the bodies of the three daughters next to their father in a front bedroom upstairs. The boys were with their mother in a back bedroom on the same floor.

“A man who recently lost his job allowed the despair to put him over the edge,” said Mayor Antonio Villaraigosa, who held a news conference outside the house. “Unfortunately, this has been an all-too-common story in the last few months. But that does not and should not lead people to resort to desperate measures.”

Clinton Sees Possible Progress On Iran and North Korea

By Mark Landler
THE NEW YORK TIMES

WASHINGTON
Secretary of State Hillary Rodham Clinton said on Tuesday that Iran had a “clear opportunity” to engage with the international community, amplifying the conciliatory tone struck a day earlier by President Barack Obama toward Iran and the rest of the Muslim world.

Sketching out an ambitious diplomatic agenda, Clinton also suggested that there could be some form of direct communication between the United States and North Korea. And she said relations with China had been excessively influenced by economic issues during the Bush administration.

Clinton, in her first remarks to reporters since becoming the nation’s chief diplomat, said, “There is a clear opportunity for the Iranians, as the president expressed in his interview, to demonstrate some willingness to engage meaningfully with the international community.”

Speaking Monday to an Arabic-language news channel, Al Arabiya, Obama reiterated his determination that the United States explore ways

to engage directly with Iran, even as he said Tehran’s pursuit of a nuclear weapon and support for terrorist groups was destabilizing.

Less than a week into her job, Clinton seemed energized. She traveled to the White House on Monday to help send off the administration’s special envoy to the Middle East, George J. Mitchell, and she has racked up a list of calls to nearly 40 foreign leaders or foreign ministers.

The world, Clinton asserted, was yearning for a new American foreign policy.

“There is a great exhalation of breath going on around the world,” she said. “We’ve got a lot of damage to repair.”

Clinton did not disclose the options under consideration for reaching out to Iran, beyond mentioning the existing multilateral talks involving Britain, France, Germany, Russia and China. But she indicated that she and Obama were thinking broadly.

The multilateral group is scheduled to meet next week in Germany, and European diplomats said they hoped that the meeting would provide the first clues about the administra-

tion’s strategy.

The administration is expected to name Dennis B. Ross, a longtime Middle East peace negotiator, to a senior post handling Iran, according to State Department officials. That Ross was not at the same meeting as Mitchell surprised some people who follow Iranian issues, given how long his appointment had been rumored. But officials said Ross was at the State Department on Monday.

Analysts said the timing for an American overture to Iran was better now than it had been for a long time.

“The Iranian regime is in a truly desperate situation,” said Abbas Milani, the director of Iranian studies at Stanford University. “The regime is in a much more amenable mood, because the economy is in a shambles. They’re also dealing with someone whose name is Barack Hussein Obama.”

As for North Korea, Clinton said the administration was committed to existing multilateral talks over its nuclear program. But she noted that in the past, there have been bilateral talks within the current six-party arrangement.

Obama Tells Muslims, ‘Americans Are Not Your Enemy’

By Alan Cowell
THE NEW YORK TIMES

PARIS
In one of his first interviews since taking office, President Barack Obama struck a conciliatory tone toward the Islamic world, saying he wanted to persuade Muslims that “the Americans are not your enemy” and adding that “the moment is ripe for both sides” to negotiate in the Middle East.

His remarks, recorded in Washington on Monday night, signaled a shift — in style and manner at least — from the Bush administration, offering a dialogue with Iran and what he depicted as a new readiness to listen rather than dictate.

Obama spoke as his special Middle East envoy, George J. Mitchell, arrived in Egypt to begin an eight-day tour that will include Israel, Jordan, Saudi Arabia, France and Britain. Mitchell planned to meet President Hosni Mubarak.

In a transcript published on Al-Arabiya’s English language Web site, Obama said he believed “the most important thing is for the United

States to get engaged right away” and that he had told his envoy to “start by listening, because all too often the United States starts by dictating.”

“Ultimately, we cannot tell either the Israelis or the Palestinians what’s best for them. They’re going to have to make some decisions,” Obama said. “But I do believe that the moment is ripe for both sides to realize that the path that they are on is not going to result in prosperity and security for their people. And that, instead, it’s time to return to the negotiating table.”

Shortly after the interview was broadcast, an explosion on the Israel-Gaza border on Tuesday killed an Israeli soldier. A Palestinian farmer was shot dead, according to Palestinian witnesses, in retaliatory gunfire. The incidents were the first known fatal incidents since the Gaza fighting ended 10 days ago.

Obama said Israel “will not stop being a strong ally of the United States and I will continue to believe that Israel’s security is paramount. But I also believe that there are Israelis who recognize that it is impor-

tant to achieve peace. They will be willing to make sacrifices if the time is appropriate and if there is serious partnership on the other side.”

He also said he believed it was “possible for us to see a Palestinian state — I’m not going to put a time frame on it — that is contiguous, that allows freedom of movement for its people, that allows for trade with other countries, that allows the creation of businesses and commerce so that people have a better life.”

But he also said the Israel-Palestine conflict should not be seen in isolation. “I do think it is impossible for us to think only in terms of the Palestinian-Israeli conflict and not think in terms of what’s happening with Syria or Iran or Lebanon or Afghanistan and Pakistan,” Obama said.

He spoke at length about America’s future relationship with the Muslim world, saying his “job is to communicate to the American people that the Muslim world is filled with extraordinary people who simply want to live their lives and see their children live better lives.”

Israeli Soldier and Palestinian Are Killed at Gaza Border

By Ethan Bronner
*THE NEW YORK TIMES*GAZA CITY, GAZA STRIP

An explosive device killed an Israeli soldier just outside Gaza on Tuesday, and Israel retaliated with incursions that killed one Palestinian and wounded another, in the first serious confrontations between Hamas and Israel since each declared a tentative cease-fire 10 days ago. With the new American envoy to the region, George J. Mitchell, set to arrive in Jerusalem on Wednesday, the fighting here underlined the urgency of his mission.

Hamas seemed eager to play down what had happened, saying it was not clear who was responsible for the explosive device, which had been planted inside Israel, apparently under cover of fog in the early morning, and set off by remote control when an Israeli military vehicle was nearby. But Israeli officials interpreted the attack, which also wounded three other soldiers, as an ominous sign that Hamas was testing them after the recent three-week war.

“This is a harsh attack and we cannot accept it,” Defense Minister Ehud Barak said as he called a meeting of top defense officials. “And we will respond.”

Later, a Hamas militant on a motorcycle in the town of Khan Younis, in southern Gaza, was hit by a missile from an Israeli drone but was not killed, witnesses said. Palestinian witnesses said that Israeli military vehicles had entered Khan Younis, but that they had left within hours.

The Palestinian who was killed on Tuesday was identified by family members as Anwar Zaid Sammor, a farmer. He was killed during a limited Israeli incursion into the town of Dier al-Balah, near the site of the explosion directed at the Israeli military. The Israeli military did not immediately comment on the Palestinian’s death, which witnesses said occurred during heavy gunfire.

Israel also closed the crossings into Gaza where some 185 trucks with humanitarian goods were to enter, to help Palestinians here resume their lives after the war, which Israeli leaders said was aimed at stopping rocket fire into Israel and at weakening Hamas.

Coffee Linked To Lower Dementia Risk

By Nicholas Bakalar
THE NEW YORK TIMES

Drinking coffee may do more than just keep you awake. A new study suggests an intriguing potential link to mental health later in life, as well.

A team of Swedish and Danish researchers tracked coffee consumption in a group of 1,409 middle-age men and women for an average of 21 years. During that time, 61 participants developed dementia, 48 with Alzheimer’s disease.

After controlling for numerous socioeconomic and health factors, including high cholesterol and high blood pressure, the scientists found that the subjects who had reported drinking three to five cups of coffee daily were 65 percent less likely to have developed dementia, compared with those who drank two cups or less. People who drank more than five cups a day also were at reduced risk of dementia, the researchers said, but there were not enough people in this group to draw statistically significant conclusions.

Dr. Miia Kivipelto, an associate professor of neurology at the Karolinska Institute in Stockholm and lead author of the study, does not as yet advocate drinking coffee as a preventive health measure. “This is an observational study,” she said. “We have no evidence that for people who are not drinking coffee, taking up drinking will have a protective effect.”

Kivipelto and her colleagues suggest several possibilities for why coffee might reduce the risk of dementia later in life. First, earlier studies have linked coffee consumption with a decreased risk of type 2 diabetes, which in turn has been associated with a greater risk of dementia. In animal studies, caffeine has been shown to reduce the formation of amyloid plaques in the brain, one of the hallmarks of Alzheimer’s disease. Finally, coffee may have an antioxidant effect in the bloodstream, reducing vascular risk factors for dementia.

Tensions Flare as Russian Soldier Seeks Asylum in Georgia

By Olesya Vartanyan and Ellen Barry
*THE NEW YORK TIMES*TBILISI, GEORGIA

A 21-year-old Russian soldier, sitting down with a Big Mac at a McDonald’s here in the Georgian capital, said on Tuesday that he had changed into civilian clothes and walked across the South Ossetian border into Georgia because he was fed up with his military service there.

The soldier, Junior Sgt. Alexander Glukhov, a computer buff from Udmurtia, a central Russian republic, seemed unaware of the clamor he had prompted at home. As information about his action filtered out from Tbilisi, Russia’s Defense Ministry contended that he had been abducted by Georgian forces and was being forced to discredit the army as “information provocation.”

“Glukhov could say anything when subjected to psychological pressure or threats,” said Col. Alexander Drobyshevsky, a Defense Ministry spokesman, who demanded his immediate return to Russia.

Glukhov, a gangly man, told reporters that he had left because he had been verbally abused by his commander, who he said drank excessively and “nagged at me all the time.” Glukhov said he departed without telling anyone.

On Monday, he crossed into Georgian-held territory, flagged down a police car and asked for a ride to Tbilisi, he said. He was handed over to officials from the Georgian Interior Ministry, who recorded on video his appeal for political asylum to the Georgian president, Mikheil Saakashvili. Asked about his plans in Tbilisi, Glukhov looked blank.

“At first I didn’t think about being punished,” he said. “Maybe I will start thinking about it now.”

Russian and Georgian television reported Glukhov’s story very differently. A prime-time news report on Rustavi 2, the Georgian news channel, described him as starving and said he had confirmed the long-standing Georgian conviction that Russia spent the summer preparing to invade. In his televised statement, he said he could no longer tolerate the sight of tanks, armor and rockets “aimed at the Georgian villages.”

OPINION

Letters To The Editor

Times' Article Fails Readers

I was deeply disappointed by the article "At M.I.T., Large Lectures Are Going the Way of the Blackboard." The reporter lauded the new teaching method, TEAL, as fun and effective, while implying the old, "traditional" lectures are oppressive and ineffective. (They aren't, by the way.) The article barely mentions that TEAL is actually very controversial on campus.

As an MIT sophomore, I can assure you there is good reason for this "resistance" from students. Though not a TEAL survivor myself (yes, students here "survive" TEAL), I would call it "widespread student loathing." Although there may be some genuine well-meant pedagogical thought behind the method of TEAL, its implementation has failed miserably.

There's a lot of hype about TEAL because it's the latest teaching fad supposed to teach everybody perfectly, but the fact is that there is no magic teaching bullet. Everybody learns differently. What matters is whether the teacher can effectively implement whatever method he or she chooses to use — and most TEAL professors are terrible at teaching TEAL. Put simply, most students here find that TEAL is not effective for a variety of reasons, and leaves them hating physics.

Talking to them, I realize that taking 8.012 (the insanely difficult,

lecture-based, and absolutely wonderful alternative to TEAL) was one of the best decisions I ever made: if I had taken TEAL, I don't think I would be a Physics major today.

Caroline Figgatt '11

Physics Reform a Boon

This is one of the most exceptional changes that MIT has made. As a freshman leaving my physics lectures in 8.01 and not understanding most of the lecture, I would have benefited greatly from an environment in which I was actually taught something.

The idea that we could go home and just figure it out is "bogus." Additionally, many times there was a language barrier that had to be overcome between us students and most of our professors, who barely spoke English.

We pay a huge price to attend MIT and it is not a far stretch for the Institute to "teach" students instead of beating them to death with the big stick of knowledge. Physics is the foundation for my mechanical engineering degree. I may have turned out to be a genius if I had learned something in 8.01.

Katherine Alston '84

Proportionality and the Just War

By Omar Bashir

The objective of Joseph Maurer's piece entitled "Justifying Self-Defense" was to critically engage with Professor Chomsky's recent talk on the Gaza conflict. Maurer's targets also include those who have expressed concern regarding Israel's alleged violation of the principle of proportionality, a concern that "has been screamed ad nauseam by many of Israel's staunchest foes."

Most of us in the MIT community share his annoyance with partisan critics who trumpet slogans when it suits their interests; more to the point, though, we also tend to react negatively to public discourse that tramples over our academic fields. Maurer should not be faulted for questioning Chomsky or for participating in an important debate. But his article makes three implications that would be troubling to most international normative theorists, those concerned with morals and ethics in world politics.

Before treating each of these three points in turn, let me say a few words about the basis on which we can judge military action. International law represents one source of guidelines. "Just war" principles, though they may not be codified in legal documents, provide a clearer way in to studying the rights and wrongs of warfare as opposed to its legality or illegality.

Standard just war theory separates between the *just resort* to war — satisfied by just cause, competent authority, right intention, reasonable hope of success, last resort, and proportionality — on the one hand, and the *just conduct* of war — satisfied by discrimination, necessity, and (again) proportionality — on the other. Just war principles are wed to practice and familiar to soldiers and planners. Arguing on the basis they provide helps to separate those factors that are morally relevant from contentious claims about history or allegations about the intrinsic flaws of one side or the other.

That proportionality must be considered both in the resort to war and in the conduct of war brings us to the first problem with Maurer's article. His statement that proportionality is "the coward's way of hamstringing a country when applied to war" runs counter to the entire just war paradigm, the same one we rely on when arguing that civilians should not be harmed or that opposing forces have certain obligations to each other. In Henry Shue's words, the principle of proportionality lies "at the heart of the morality of war."

Instead of excoriating the author on this point, it's more helpful to show that his statement is the result of a common misunderstanding of proportionality. It is not simply that "the

punishment fits the crime" — that "crime" to be explored below — or that equal numbers of soldiers or civilians are harmed on both sides.

Rather, the destructiveness of war, or of a single action in war, must not be out of proportion to the relevant good it will do. The relevant good to be done in the Gaza war was ending the threat posed by Hamas's rockets. Efforts to add "the elimination of Hamas" or the like to this end of the scale must contend with moral justifications for regime change and preemptive force.

With that in mind, it seems that critics of the war have a legitimate claim given the level of death and destruction in Gaza compared to the 13 Israelis killed since 2001 by homemade projectiles. Most would argue that this holds true even if we include the psychological harm that many Israelis have endured — note that Maurer's own argument that Israelis have become accustomed to evacuation, if valid, would serve only to strengthen the criticisms.

Maurer's second problematic claim is that, because Hamas intentionally blends in with the

foreseeable and disproportionate with respect to its just cause. One does not have to ignore Hamas's violations to recognize that Israel may be culpable: responsibility for civilian suffering is not zero-sum.

For a defender of the resort to war in Gaza, a possible escape from this discussion is to question the innocence of Gazan civilians, and this represents the third problem with Maurer's piece. "War broke out when [Hitler and Hirohito] broke out of their borders," he writes. "Residents of Gaza can vote any way they want, but when their rulers start lobbing rockets outside of their borders, they must anticipate a deserved reaction from the infringed-upon party."

I pause here to point out that, in a historical sense, it might not be prudent for a defender of Israel to argue that encroachment beyond borders somehow makes residents deserving of violent reaction. But I want to focus more attention on the implication that civilians are liable to be killed due to who they elect.

The principle of non-combatant immunity, integral to the discrimination requirement that deals with the identification of legitimate targets, is not in place simply to shield the "innocent." Instead, it forces belligerents to ask, "who needs to be harmed now in order to stop the harm that is already underway?"

Some theorists also leave room for preemption under certain conditions.

The point is that civilians retain their immunity even though they may be more guilty than combatants in bringing about an unjust threat. To draw again on Shue, "execution-by-B-52 is not the appropriate penalty for bad politics." By this same argument, we reject outright bin Laden's assertion that killing American civilians is permissible because "they pay taxes to their government and they voted for their president." Maurer's view of war as punishment for a given polity is a relic of medieval Western philosophy.

Further, though Hamas's statements and actions are truly appalling in many respects, we must be careful in heaping scorn on Gazans for electing them. NATO officials in Afghanistan will attest to the fact that popular support for the Taliban owes more to the reprehensible group's ability to provide basic security than it owes to ideological sympathy. Similarly, Hamas's administration of critical infrastructure and social services in the midst of awful living conditions in Gaza may be the biggest reason for the group's electoral success.

I hope that the above has drawn attention to just war thinking and demonstrated why even those claims voiced carelessly by partisan critics may hold water. I can't help but think that Professor Chomsky's polarizing style makes it difficult for supporters of Israel to engage with criticism without being clouded by defensiveness. At the same time, Maurer and others should consider that I did not touch on other issues with the Gaza war based on arguably low chances of success, dubious satisfaction of the 'last resort' condition, and alleged violations in just conduct. Nor did I mention the compelling case to be made that the campaign was not in Israel's best interests given the nature of the threats it faces.

The controversy is not centered on the validity of Israel's appeals to self-defense. Instead, the affair seems to fit into a class of tragic situations identified by Jeff McMahan in which the issue "is not that our aim would be too trivial to constitute a just cause; it is, rather, that our just cause would be too trivial for war to be proportionate."

Omar Bashir, B.S. '05, M.S. '07 in Course XVI, is now a graduate student in International Relations at the University of Oxford.

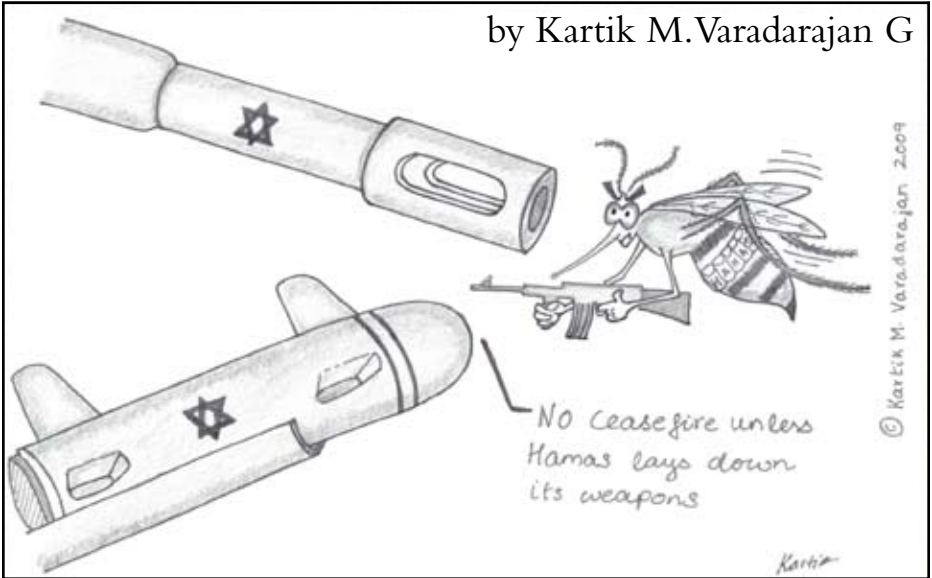
That proportionality must be considered both in the resort to war and in the conduct of war brings us to the first problem with Maurer's article.

civilian population, "civilian casualties result entirely from Hamas's own barbaric actions." The implication here is that Israel is absolved of civilian deaths. Hamas indeed violates principles of just conduct by endangering civilians in this manner. How, then, can Israel be guilty of any wrongdoing when civilians die?

The language of causation does not really help to answer this question. One must look again to the proportionality requirement for just resort — that which must be satisfied before a war is launched. It places the onus on belligerents to perform a moral cost-benefit analysis before taking action, to realistically weigh the likely damage against the achievement of the just cause. It was clear beforehand that Hamas would take advantage of civilians to exploit their physical defense as well as their public-relations case against Israel — not solely due to Hamas's nature, but because of the empirical record of groups fighting this type of war.

Critics, then, have reason to argue that Israel's commencement of the campaign all but ensured damage to non-combatants that was both

by Kartik M. Varadarajan G



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Expecting More from an MIT Professor

Yaniv Junno Ophir
and Gila Fakterman

We write today to voice our concern about Professor Noam Chomsky's reckless behavior at a talk held last week (January 13th) as part of the MIT CIS Starr Forum. We wish to address some points in Professor Chomsky's talk to explain our position, which we hope will encourage members of the MIT community to refrain from making cynical use of their position and support by the institution.

Professor Chomsky is quoted in The Tech as saying that "It's not that Israel doesn't want peace. Of course, it wants peace. Everyone wants peace. Even Hitler wanted peace." It is alarming, the ease with which people make use of Hitler's name these days, but even more disturbing is the fact that a distinguished MIT professor considers this behavior part of a legitimate argumentation strategy.

Gila and I are both descendants of Holocaust survivors. Gila's grandfather lost all his family in Auschwitz and Yaniv's grandparents were enslaved in a Nazi work camp. The name Hitler is not just another buzz-word for "Evil," it shouldn't be tossed around carelessly and it shouldn't be used as a tool for provocation whenever we feel like it. Professor Chomsky has been extra careful not to directly compare Israel to Nazi Germany, instead he laced his talk with innuendos, tiptoeing around the idea, only letting the name Hitler slip out that one time.

This should not be an acceptable form of rhetoric in an academic institution. It exposes the cynical use Professor Chomsky makes of his position as Institute Professor at MIT, camouflaging his radicalism with a smoke bomb of academic legitimacy.

Professor Chomsky employs the lowest form of demagoguery in his talk. He shrouds his arguments in historical "facts," reinforcing each argument with the words "It's a fact" in his calm and confident voice. Professor Chomsky intentionally blurs the boundaries between his opinions and historical "facts," relying on his audience's inability to refute those facts in

How Prof. Chomsky's Talk Failed the Community

real-time as validating his argument, proof that his is the right way.

This reckless behavior is dangerous when a speaker is no longer held accountable for the truthfulness (or even objectivity) of his own words. Professor Chomsky hints at the importance of unbiased journalism and congratulates those reporters who are brave enough to bring the true story of Gaza. However, Professor Chomsky chooses not to adhere to those standards by presenting his interpretation of historical events as facts rather than personal opinion.

Unless Professor Chomsky has been physically present at Gaza, Southern Israel and Lebanon at the time of the events he recalls, his only source of information about what actually transpired there, are the same newspapers and TV stations you and I are exposed to. In his talk Professor Chomsky made no attempt to seriously address reports and news that contradicted his argument, instead he brushed them off by saying they are false.

We would expect a scholar in Professor Chomsky's position to display as much diligence in disproving contradicting arguments as he does in reinforcing those that support his argument. For example, when asked what he thought about Hamas hiding weapons in schools, mosques and private homes, Professor Chomsky confidently replied that those weapons were planted there by the Israeli Army. Professor Chomsky did not offer any proof to support his claim but what is even more disturbing is the fact that he was not willing to seriously address a question that conflicted with his own beliefs.

Perhaps more than anything, it is Professor Chomsky's one-sided approach which shows contempt for the Israeli-Palestinian situation. From our personal experience, professors at MIT make a tremendous effort in classrooms all over campus to nurture an open discussion, emphasize the importance of listening and welcome the challenge of proving their ideas wrong. Professor Chomsky's approach during

Professor Chomsky does a great injustice to all sides by advocating his one sided view of things.

his talk was quite the opposite.

The Center for International Studies sponsored Professor Chomsky's talk to discuss, amongst other things, the issues of human rights and justice in light of the Gaza War. Professor Chomsky, a great humanitarian and intellectual, missed this opportunity to expose his audience to the inner workings of a great mind and instead retorted with his usual Israeli-American political bashing.

For example, Professor Chomsky did not make the distinction between the citizens of Gaza and Hamas, a distinction which makes all the difference between Israel's military action as an act of self defense and that of "Terrorism." Professor Chomsky did not pose the question of where Hamas was getting its weapons from and whether it is humanitarian to put guns in "helpless" Palestinian hands and send them to fight?

Professor Chomsky did not address the humanitarian question of hiding weapons in mosques, booby trapping schools or firing from within a dense civilian population. Professor Chomsky did not ask justice for the children of Gaza who die (and continue dying) from mines and bombs that Hamas set all around downtown Gaza for Israeli soldiers. Professor Chomsky does a great injustice to all sides of this conflict by advocating his one sided view of things.

Professor Chomsky's talk was not an intelligent contribution to understanding the Israeli-Palestinian situation as would be expected in an academic institution such as MIT. Instead Professor Chomsky perpetuated the conflict by tagging the U.S. and Israel as oppressors and Palestinians as helpless (Chomsky quoted in *The Tech*: December 27, 2008 was the first day of the "U.S.-Israel attack on helpless Palestinians ...").

It is important to make it absolutely clear that we do not wish to silence Professor Chomsky's voice. Quite the opposite, we welcome his views and criticism of Israeli-American policy as we believe it contributes to a well bal-

anced and democratic society. We came to MIT to learn and as any international student would tell you it involves much more than purely academic material.

There's a cultural difference, conflicting opinions and way of life and many more issues that challenge our ability to learn on a daily basis and ultimately help us grow as human beings. We see Professor Chomsky as a vehicle to learn about the other side, to think about things we weren't asked to think about before. Unfortunately, the way in which he presents his argument (as described above) does him (and MIT) a great disservice.

Professor Chomsky is not interested in educating us as Israelis (or anyone else for that matter) about his view of the world, he is much more interested in pointing a blaming finger, force feeding us his ideas with no respect to the ideas we already hold. We consider ourselves intelligent and open-minded people who are not afraid to discuss the difficult questions. We spent most of our lives in Israel and have come to realize that the Israeli-Palestinian situation is a complex one which requires sensitivity, patience and balance.

We find it absurd that no matter what treaties get signed, negotiations take place, and resolutions are agreed upon, Professor Chomsky's approach is always the same. It feels like we almost know by heart what his next talk is going to be about. As Israeli citizens we've witness the internal discussion about the Israeli-Palestinian situation change so many times, as we are sure it has on the Palestinian side. Surely every conflict, including the Israeli-Palestinian one, is dynamic in one way or another. How come Professor Chomsky's tune remains absolutely the same!?

We question the effectiveness of Professor Chomsky's talk in helping people understand the Israeli-Palestinian situation. We feel that Professor Chomsky, the Starr Forum and the MIT community should take responsibility for the role they choose to play in this discussion so as to become part of the solution and not the problem.

Yaniv Junno Ophir is a graduate student in the Department of Architecture. Gila Fakterman is a Computer Specialist at the McGovern Institute.

The View from the Mall

A New Sun Rises Over Washington

Joshua Levinger

Last Wednesday, I was one of the huddled masses who braved the cold for hours on the National Mall to catch a glimpse of the inauguration. While I saw less visually than I might have from 10-250, I stood amid the beating heart of America and watched it change firsthand.

As the political luminaries filled the pavilion at the foot of the Capitol, the crowd jeered its favorite villains. Joe Lieberman and John McCain, Clarence Thomas and Antonin Scalia, the wheelchair-bound Dick Cheney and the still-President George W. Bush, all were resoundingly booed. Some seemed to think it mean spirited, and perhaps it was, but it hardly begins to repay their years of irresponsible mismanagement.

Then the moment of truth came, and even this hardened cynic's eyes glistened as Barack Obama put his hand on Lincoln's bible and swore to preserve, protect and defend the constitution of the United States. I'm not normally one for historical sentimentality, so perhaps it was just the wind. Despite Chief Justice Roberts' bungling, the deed was done and the crowd cheered their approval. President Obama's speech was not the soaring hopestorm that many of the spectators seemed to want. It was instead a brief recounting of the huge hole we have driven into over the past eight years, and a pragmatic and reasoned pointing toward the way out.

Missing were some of the rhetorical flourishes of Lincoln's second inaugural ("fondly do we hope, fervently do we pray"), or Kennedy's first and only ("ask not what your country can do for you"), but Obama managed to hit a few high notes. This engineer cheered himself hoarse at "we will restore science to its rightful place" and "we reject as false the choice between our safety and our ideals."

Taking a new tack in the Global War on Terror, Obama pledged to the world's despots that

"we will extend a hand if you are willing to unclench your fist." But he ended with a call to service and hard work, imploring all Americans to "brave once more the icy currents, and endure what storms may come." Having already inspired us during the campaign, now is his time to lead us back toward greatness.

Reflecting on the experience during the long drive back to Boston, I realized that it was the first time in my life that I have really, truly, felt proud of my country. Not because our President is black, but because he is smart. Not because of his party, but because of his pragmatism.

In order to solve the myriad crises we face, concessions will have to be made on both sides of the political divide. But we will redeploy our forces in Iraq to the more pressing battles in Afghanistan and at home. We will face down the financial crisis and reregulate our economy to better withstand future turmoil. We will finally do something about global warming and lessen our dependence on foreign oil. We will protect women's right to make their own medical decisions. Our government will be once again by ruled by competence, not ideology.

Watching the decisions come from the White House for the past week has been like living in an alternate universe. But this 'Bizarro-world' is not a Yes Men hoax, it is now reality. From ending military courts at Guantanamo Bay, to reversing the global gag rule on family planning, from refreshing the Freedom of Information Act to increasing automotive fuel standards to match the rest of the world, President Obama has done more in his first week than I had dreamt of for a year.

As his term continues, I know that the gloss will inevitably fade. The political mudslinging will hit our golden boy too. But on that clear cold day on the National Mall, surrounded by two million fellow Americans, things suddenly didn't seem so bad. And for the first time, I waved my own country's flag with pride.

I Was There

The Inauguration in My Own Words

Gary Shu

I was at the Inauguration, and man was it cold.

Unlike my Washington area friends, who chose to stay warm at home and watch the festivities in 72-inch high definition, or my fellow out-of-towners, who had various levels of official tickets, I trudged my way through the pre-dawn chill on to the National Mall and prepared to wait for some six hours among the gathering crowd.

Armed with a half-dozen Powerbars and a peanut and apple butter sandwich (thanks Cincinnati!), I was ready to celebrate.

In spite of my four layers of shirts and pants, it was still a frigid day. Standing still in sub-20 degree weather will certainly have an effect on you — even with a few Boston winters under your belt. I had read that standing on plastic or cardboard would prevent the cold ground from turning your feet into popsicles. I had three socks on, I scoffed. A plastic bag, I would later learn, is actually a sufficiently good insulator.

Excitement, however, floated through the air. Everyone was friendly, having traveled far and wide just to get to this point. To stay warm, people danced to the music of the re-played inauguration concert, even if it meant hip-bumping everyone around. When views were blocked, polite words were exchanged and people moved. Fights at concerts have broken out for less.

I met a pair of kindly Filipino ladies from California with whom I chatted about their native Manila. Jammed in front of me were a surprising number of New Jerseyans who, like me, drove in the middle of the night to be there for the occasion. And all around were Obama T-shirts, posters and hats with "Barack" as colorfully and lovingly embroidered as a Redskins cap.

We bowed our heads in prayer when the invocation was read. Any time Obama appeared, flags would wave so fiercely they were about to fly off their sticks. And people booed whenever a Republican showed up on the Jumbotrons, something that I heard afterwards was not evident to the millions watching on TV.

Silence descended on the nearly two million people on the Mall as Obama gave his speech. There were scattered shouts of approval and "Amen" at points, like when he remarked of critics of big government plans: "Their memories are short." Even the various military members keeping the peace were endlessly taking pictures as they kept an eye on the crowd.

From the ground, the day's events dripped with a Hollywood-level of slickness and production. From the chipper greeters leading cheers and shouting "Good Morning!" to the perfect creases in Obama's red tie, the event proceeded quite smoothly.

There were cracks in the veneer, as we all later learned. The musical performance we were serenaded to was, in fact, not live and was a pre-recorded segment. Some ticket holders got stuck in the "Purple Tunnel of Doom" and never made it to their seats. The bungled oath of office administered by Chief Justice Roberts may not have been legally binding and thus not the exact moment Obama was sent into office.

Is this an omen of the Obama Presidency? Hopefully not. As a true cynic, I already have visions of the day when the honeymoon wears off. You know, the part of the movie where the screen says "One Year Later ..." and a harried White House spokesperson is defending the administration against corruption charges/ botched political moves/war/you-name-it.

For one grand day, though, we were able to shrug off our mundane concerns and all of us celebrated a most historical moment.

And I will never forget the day I was there.

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THEATER REVIEW

*The Corn is Green at the Huntington Theatre**Production of Emlyn Williams's Ode to Wales a Success*By Samuel Markson
STAFF WRITER*The Corn is Green*
Huntington Theatre Company
Directed by Nicholas Martin
January 9 — February 8, 2009
Huntington Theatre

Lights come up. Welsh hymns slowly fill the air. Actor scurry about stage. The modern day is left at the doorstep and nineteenth-century Wales comes to the fore.

Emlyn Williams' *The Corn is Green* is, if nothing else, a beautiful portrait of a bygone age, an idyllic lifestyle. The photograph is bitter-sweet, though: Williams is quick to balance the Romanticism of the simple life with the harsh reality of turn-of-the-century impoverished mining village life. The mixture is heart-rending.

The play opens with Miss Moffat's arrival in the small town of Glansarno. Miss Moffat comes to set up a school for the children of Glansarno, but her primary student — and the object of the performance — is Morgan Evans. Boy, both an orphan and

a hooligan, the young Welsh mining boy is not without talent. Moffat, following an assignment to write about one's "perfect holiday", reads in Morgan's composition book:

So the mine is dark ... But when I walk through the Tan — something — shaft, in the dark, I can touch with my hands the leaves on the trees, and underneath ... where the corn is green ... There is a wind in the shaft, not carbon monoxide they talk about, it smell like the sea, only like as if the sea had fresh flowers lying about ... and that is my holiday.

Morgan, Miss Moffat and the inhabitants of Glansarno are all lines in a greater ode to the land, the people of Wales and, above all, a reaffirmation in the common man: the beauty individuals are capable of imagining and, with a little push, creating. For Morgan Evans, Miss Moffat is that push — her struggle and his come together, giving the once illiterate Evans a chance to pull himself up over social barriers and perhaps pave the way for others to come.

Moffat, as played by the seasoned actress Kate Burton, is a headstrong, wealthy old spinster, with both vision and fire. While her behavior does not appear shocking today, her independence (given that she is a woman) butts up against the expectations of the much more conservative inhab-

itants. Kate Burton's performance itself is brilliant — she captures Moffat's fire, her independence, but equally her motherliness and the conflict between the two. Burton's charisma on stage captivates the audience as much as Glansarno and her performance is the linchpin for the success of the play.

The performance is rounded out by evocative performances by Burton's son, Morgan Ritchie (Morgan Evans), Roderick McLachlan (John Goronwy Jones), Kathy McCafferty (Miss Ronberry), Mary Faber (Bessie Watty), and Kristine Nielsen (Mrs. Watty), as well as brilliant technical aspects, all overseen by director Nicholas Martin.

The Corn is Green will run at Huntington Theatre through February 8. Tickets available online at www.huntingtontheatre.org and in person at the B.U. Theatre Box Office, 264 Huntington Avenue, or at the Calderwood Pavilion at the BCA Box Office, 527 Tremont Street in Boston's South End.

\$5 senior and military discounts. \$20 back row of the balcony (limited availability) and \$15 student rush seats (available two hours before curtain time for each performance). \$25 "35 Below" tickets for patrons 35 years and younger (valid I.D. required).



T. CHARLES ERICKSON

Kate Burton in *The Corn is Green* at the Huntington Theatre Company. Playing now through February 8 at the B.U. Theatre, the Huntington's mainstage.

CONCERT REVIEW

*Joshua Redman at Berklee Performance Center**Double Trio Brings a Fresh Sound to Experimental Jazz*

By Sam Markson

STAFF WRITER

Staff Reporter
Joshua Redman Trio
Berklee Performance Center
January 22, 2009

Joshua Redman has high notes. He has low notes. He has trills. I could go further, and talk about brilliant expressionism, the

emotive quality of his playing and that of his ensemble. It's easy to hear that he knows how to make "jazz."

What, then, makes him original?

There aren't any high notes that haven't been hit yet. Every scale has been used, every style been tweaked. Joshua Redman has all that and they're all reasons to listen. But I don't think that's what makes Redman special.

What Redman has is an ensemble.

Double trios have been used before in jazz, perhaps even with the setup Redman uses (saxophone, two drummers, two bassists). I'd contend that none of them capture the cohesion, beauty and intercommunication of Redman's. Generally, that much overlap in the rhythm lends itself to clumsiness, excess.

However, Redman doesn't try to repeat Ornette Coleman's Free Jazz (Coleman used a double quartet) which, while remarkable in its vision, is frequently aimless, unconstrained, immoderate. Instead, with the help of the other band members, Redman fosters an intense synchronicity within the group, as palpable by sight as by sound (in last Thursday's performance, drummer Gregory Hutchinson was so taken by the interplay between bassists Larry Grenadier and Reuben Rogers that he was compelled, mid-show, to take

a picture of the two on stage).

Redman's music doesn't try to be a manifesto. It's a conversation, and one of the more coherent (and still exciting) ones I've heard live. And that's the way that they are meant to be seen. I listened to the group's recent album *Compass* — as flawless as their on-stage performance — but it didn't have half the power over me that the group had when I could see their faces. It's not their fault. It's just that the group is one, perhaps more than any other I've seen, whose music cannot simply translate itself to digital.

There's so much other communication — a wince from Brian Blade, a smirk from Redman, a guffaw from Gregory Hutchinson — that goes on and colors the music profoundly. These guys are human. They're telling their story and it's eloquent enough that it needs no adornment, no additions, no more high notes, no more trills than what's already there.

APPLY
for a
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the Arts
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Application deadline:

February 6, 2009

Contact:

Susan Cohen
cohen@media.mit.edu

Application:

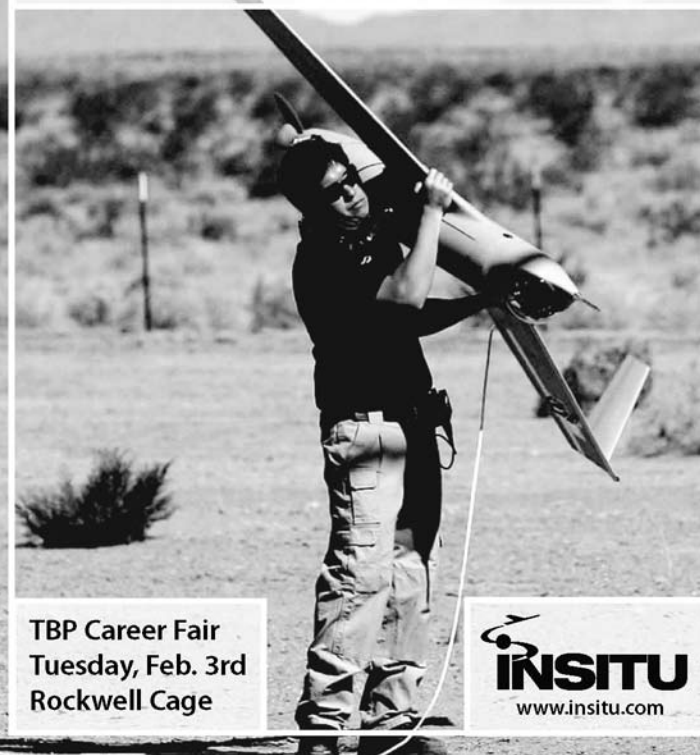
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Staff Picks

Sam Markson: "I'm eyeing the program at Ryles this week. Also check out some of the shows at Berklee (big stage and small — a lot of them free). For you theatrical types, check out *The Corn is Green* at the Huntington (see article), Chekhov's *The Seagull* at the Zero Arrow Theatre, and Howard Zinn's *Daughter of Venus* at Boston Playwrights' Theatre (great for families, I hear)."

Sudeep Agarwala: "Sure, it's early, but never early enough to start preparing for Benjamin Britten's re-telling of Noah and his Arc in the childrens' opera *Noyes Fludde*, playing Saturday, February 7, 2009. More information can be found at <http://www.cantatasingers.org/season/08-09/feb7.htm>

"Also, Haydn (how I love you —)! New England Conservatory piano students have and are continuing to perform all of Papa Haydn's keyboard sonatas at the New England Conservatory. The first recitals were on January 22 and 27. Lecture on January 30 with future performances on February 3, 5, 9, 12 and March 4. Admission is free. More information at <http://www.newenglandconservatory.edu/haydn/>

"And while we're on the topic of the NEC, the Celebrity Series of Boston presents Leif Ove Andsnes and Christian Tetzlaff on piano and violin, respectively playing Mozart, Brahms, Janáček and Schubert on Saturday, January 31 at 8 p.m. Tickets and more information can be found at http://celebrityseries.org/CS_performers/andsnes_tetzlaff.htm"

UPCOMING EVENTS

Serving in Heaven to
Reigning in Hell

MIT's Literature Section and Friends
Present Milton's Paradise Lost

By Seohyung Kim

"Of Man's First Disobedience,
and the Fruit, Of that Forbidden Tree,
whose mortal tast, Brought Death into
the World, and all our woe, With loss
of Eden, till one greater Man, Restore
us, and regain the blissful Seat, Sing
Heav'nly Muse ..."

The opening lines of Milton's
most famous work, *Paradise Lost* are
perhaps the most famous in the the
English language. Today, the MIT
Literature section and friends are
hosting a marathon reading of the
entirety of John Milton's epic poem,
Paradise Lost to celebrate the 400th
anniversary of the author's birth (De-
cember 9, 1608 — back then, the
New Year began with the spring: for
Elizabethan England, it's still 2008).

The last writer of the Renaissance
and the first major poet of the mod-
ern world, the 17th-century English
poet John Milton is well-known for
his sonnets, shorter lyric poems (*Ly-
cidas* is among the famous), three
plays and the two epics, *Paradise Lost*
and *Paradise Regain'd*, the latter and
more popular of which was initially
conceived *Paradise Lost* as a weighty
dramma per musica. Milton was also
an active polemicist and worked as a
civil servant under Cromwell's gov-
ernment.


After Cromwell's death and the
restoration of the English monarchy,
in a time of political and personal de-
spair (the death of his first wife, his
blind sight and plunge into poverty
and occasional imprisonment), he
composed *Paradise Lost*, now consid-
ered his *magnum opus*: his version of
the creation and the subsequent fall of
man, a magnificent story about pow-
er, good and evil, innocence, relent-
lessly provoking the audience to think

about responsibility and the right to
knowledge.

The peripatetic reading organized
at MIT will move across campus (see
schedule below) and will feature
volunteer readers from several dis-
ciplines, including, but not limited
to: Vice Provost Philip S. Khoury
and Prof. Janet Sonenberg (21M) as
God the Father, Prof. James "Joyce"
Buzard (21L) as Satan, Prof. Robert
J. Silbey (5) and Prof. Susan Silbey
(21A) as Adam and Eve.

All are welcome to join at any
point during the day, either as brave
readers or as gentle listeners, as we
tackle the epic task of reading the
entire poem, whose difficulty com-
mands close attention (and rewards
it, generously). Should you join in
the middle of the hour, there will be
an usher at each location to welcome
and orient you with a few pointers
and a copy of the epic poem, though
you are welcome to bring your own,
if you have one. While the entire
poem is robust and its plot riveting,
highlights will be during the War
in Heaven in Book V & VI around
2pm and The Fall of Adam and Eve
(i.e. eating of the apple) in Book IX
around 5pm.

Wednesday, January 28, 2009
9 a.m.: 14E-304 (Book I)
10 a.m.: East Campus Talbot Lounge
(Book II)
11 a.m.: The Bush Room (Book III
& IV)
1-2 p.m.: Break
2 p.m.: Classroom AVT (7-431)
(Book V & VI)
3:30 p.m.: Lobby 7 balcony (Book VII)
4:10 p.m.: The Bush Room (Book VIII)
5 p.m.: 16-440 (Book IX)
6:10 p.m.: Bexley Basement (Book X)




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>how to dominate

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02.06.09 – Internship Resume Drop Deadline
02.17.09 – On Campus Interviews

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Talk Nerdy to Me Rock, Paper, Slobber?

By Christine Yu
STAFF COLUMNIST

According to my mother, I started “dating” in preschool. His name was Timothy, and when we’d say “goodbye,” I’d lick him across his face in front of both of our mothers. Now, I know this story sounds far fetched, but all my relatives remind me that I greeted them with slobber, instead of a kiss, until I hit the age of 5. Also, there’s a photograph of a birthday party in preschool, and I’m sitting awfully close to a boy, with my tongue hanging out. On the back of the photo, it says, “Christine and Timothy.”

She brings him up, though, to remind me that I’ve always been a little too “boy crazy.” According to her, the first time I met Timothy, I just flat out told him, “you’re my boyfriend.” Back then, she scolded me for making the first move. Fifteen years later, she still scolds me if I admit to making the “first move.”

Given the fact that I date a fairly decent amount, I can only remember making the first move twice — and once I wasn’t entirely sober. Most girls, myself included, find it difficult to make the first move. A girl friend claimed, “If he isn’t going to make the first move — how do you know he isn’t just with you because he likes the attention?”

Except, then again, her point could be argued the other way. How does a guy know a girl isn’t just with him for the attention?

Apparently men find it just as difficult to make the first move. As a friend once told me, “can you please write an article about how girls should make the first move, it would make my life a hell of a lot easier!”

Gender expectations have not completely reversed — men are still expected to be leaders and providers. They’re “expected” to “man up” and make the first move. However, it *does* make life easier when someone just makes the move, and honestly, I don’t agree with my mom. I think it doesn’t matter who makes the move.

I started asking my friends that were in a relationship, “who made the first move?”

Out of the twenty people I asked, shockingly, none of them remembered. Some of them even responded, “I’m in a relationship?”

When I asked my friend, Tom ’11, and his girlfriend, he proposed playing, “rock, paper, scissors” with his girlfriend to determine an answer — because we all know, “rock, paper, scissors,” has the ability to change the past.

There are other people, though, who feel the same way as my mom on making the first move.

Wendy Atterberry from www.thefrisky.com (an internet women’s blog) published an article on December 1st entitled “Why A Woman Shouldn’t Say I Love You



Christine Yu, at age 4, about to slobber on her preschool boyfriend Timothy.

First.” As she summed it up, “if you love a man and want to have a long relationship with him, give him time to get there. If you think you’ve given him enough time and you’re ready to move on if he doesn’t feel the same way for you, then go ahead and tell him you love him. But only say those words if you’re prepared to let him go.”

I ended up blogging this article to get other inputs, adding that I didn’t really believe it.

Harvard student, Lena Chen, who maintains the blogs *Sex and the Ivy* and *The Chicktionary*, reblogged the post, adding that there are cultural associations with saying, “I love you.”

As she put it, “the first phrase people learn in Chinese is *wo ai ni*, which translates to “I love you.” But the funny thing is that there’s never actually a situation where those words would be uttered. Ask any Chinese speaker. There are phrases like “I care about you” and “I miss you,” but in conversation (soap opera dialogue, included), no one would ever say “*wo ai ni*.” Lena even mentioned that her mother says, “I love you,” but only because there’s no other way to translate her maternal affection with her limited English.

Now that I think about it, I think I had it right as a kid the first time. Children are often very perceptive with relationships. As a coworker’s daughter once asked me, “why do you date guys who are mean to you — you shouldn’t have to settle for a guy who acts like you have cooties!” She’s exactly right. Younger kids often haven’t been influenced by society enough to develop the complicated layers, which make dating so difficult.

Granted, I wouldn’t recommend approaching a guy with the line, “you’re my boyfriend.” However, if I liked someone, there’s nothing wrong with making the first move.

Squid vs. Whale Getting a Job: How Frakked am I? The 2009 Edition

By Charles Lin
and Nick Semenkovich
STAFF COLUMNISTS

- 1 — **Civil and Environmental:** Congratulations, Barack says you are not frakked. Now start making windmills.
- 2 — **Mech-E:** Frakked. Big Time. Unless you can manufacture a machine that evicts people (see: IDF, tank, Gaza Strip).
- 3 — **Material Sciences:** Unless the materials you’re sciencing happen to be the endless supply of US Dollars we’re printing like confetti, you’re frakked too.
- 4 — **Architecture:** Bad news. New home construction numbers are way down. Good news. Barack wants to renovate all those schools — that and we have to build some place to put those former Gitmo detainees.
- 5 — **Chem:** Thankfully your thankless job synthesizing compounds still awaits you.
- 6 — **CS:** Your days of free dental plans, happy hours, wine tastings, massages, levitating Aeron chairs, hot air balloon travel, replica light sabers, dinosaur parks, and trophy wives are now over ... but you’re still less frakked than the rest of us (until India takes your jobs).
- 7 — **Bio:** Nothing changes. How frakked you are is still inversely proportional to your MCAT score.
- 8 — **Phys:** “There’s a recession going on?” you say, lifting your head from that quantum p-set.
- 9 — **Brain Cog:** Better get cracking inventing new ways to interrogate people now that all the fun methods are banned.
- 10 — **Chem E:** See 5, unless you want to sell your soul and work for petrochemical. If so, enjoy frakking up the Earth some more.
- 11 — **Urban Studies:** You’re still mayor ... of your Sim City 3000 game.
- 12 — **EAPS:** Birkenstocks are recession proof. And thankfully you’ll be saving us from those Course 10 people.
- 13 — **Ocean Engineering:** We still have oceans? I thought global warming took care of that ...
- 14 — **Economics:** This is all your fault. Payback’s a bitch ain’t it?
- 15 — **Management:** Ditto
- 16 — **Aero Astro:** You never actually had a chance of being an astronaut.
- 17 — **Polisci:** Try Alaska where the standards for political positions are much lower. In other news, JESUS HAS RETURNED; Who cares about a job?
- 18 — **Math:** What do you mean I can’t parlay this into a six figure hedge fund job anymore? How else can I sell my soul?
- 20 — **BE:** For the love of God, hurry up and design a pink pill that will make our troubles go away.
- 21 — **Humanities:** You’ve got some stiff competition waiting tables now that everyone else is just as unemployed.
- 22 — **Nuclear Science:** Congratulations! There’s a guy named Mahmoud waiting outside who would love to offer you a position for make benefit the glorious nation of Iran.
- 24 — **Linguistics and Philosophy:** Being employed is so frakking passe.

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January 28,
2009

COMICS

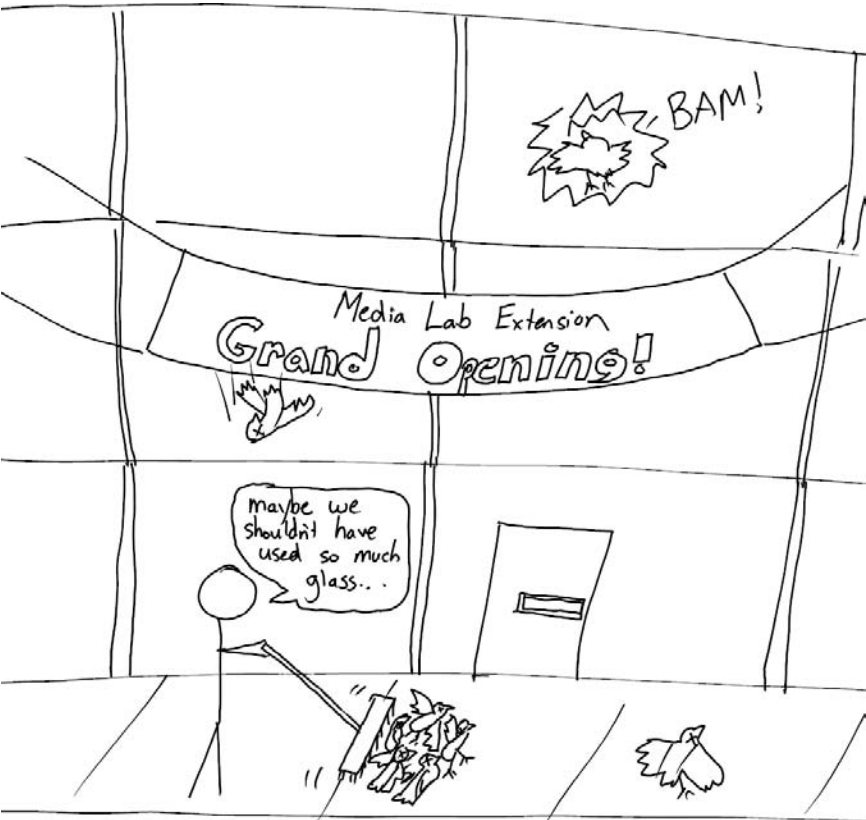
The
Tech

FUN

Page
9

PAGES

The Daily Blunderbuss by Ben Peters



Pseudoscience by Daniel Klein-Marcuschamer

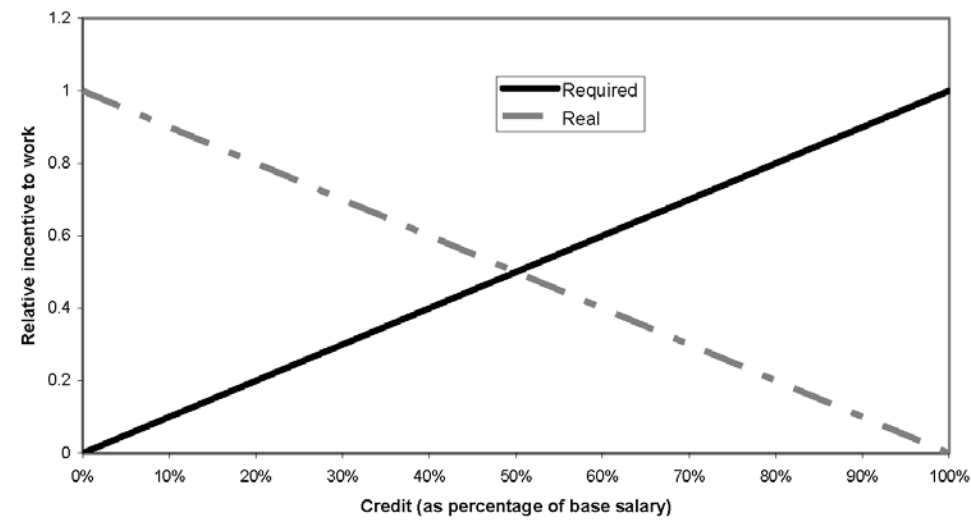
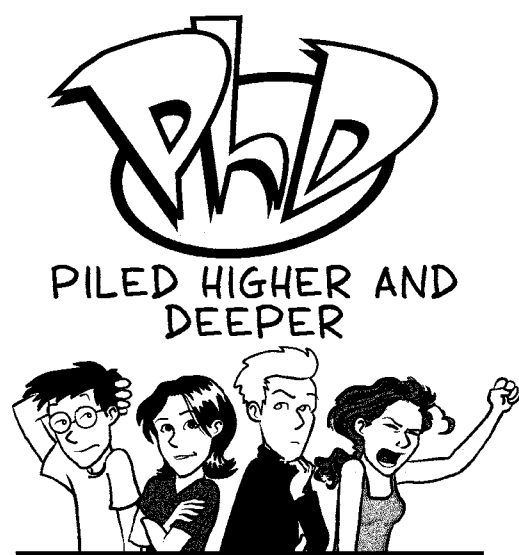
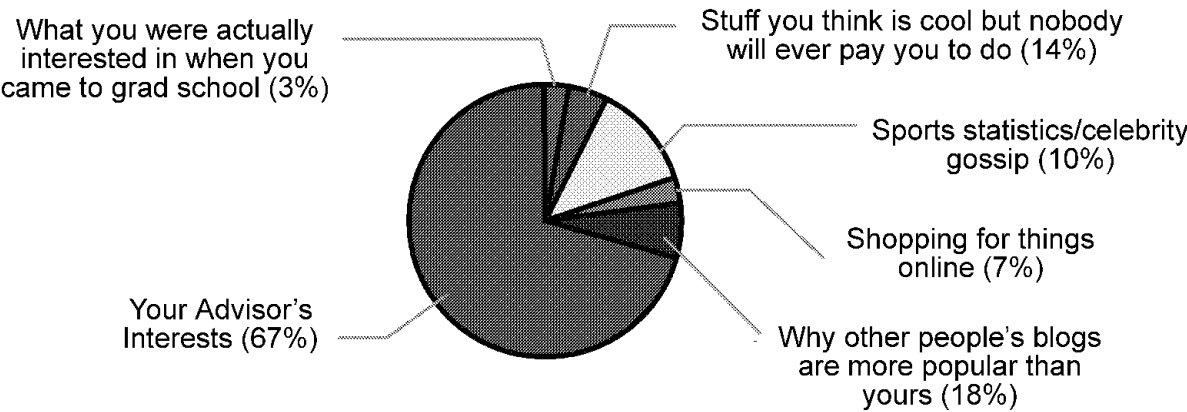


Figure 47. The plot shows the real and required (i.e. by self-imposition, legislation, etc.) incentives to work at different values of available credit. Because credit is offered at present but is repaid in the future, there is an inverse correlation between the two: at low levels of credit, there is a real and palpable incentive to work, so that no additional motivation is needed; at high credit, there is no real incentive, as money is perceived as being “free”. However, if actual work diminishes because of this perception, repayment becomes impossible, suggesting that an imposed incentive to enhance productivity is needed at high levels of credit. This disparity may result in a credit catastrophe if the risk is not properly evaluated by the lending party, especially when added to other effects. (Comments are welcome at <http://pseudocomic.blogspot.com>)



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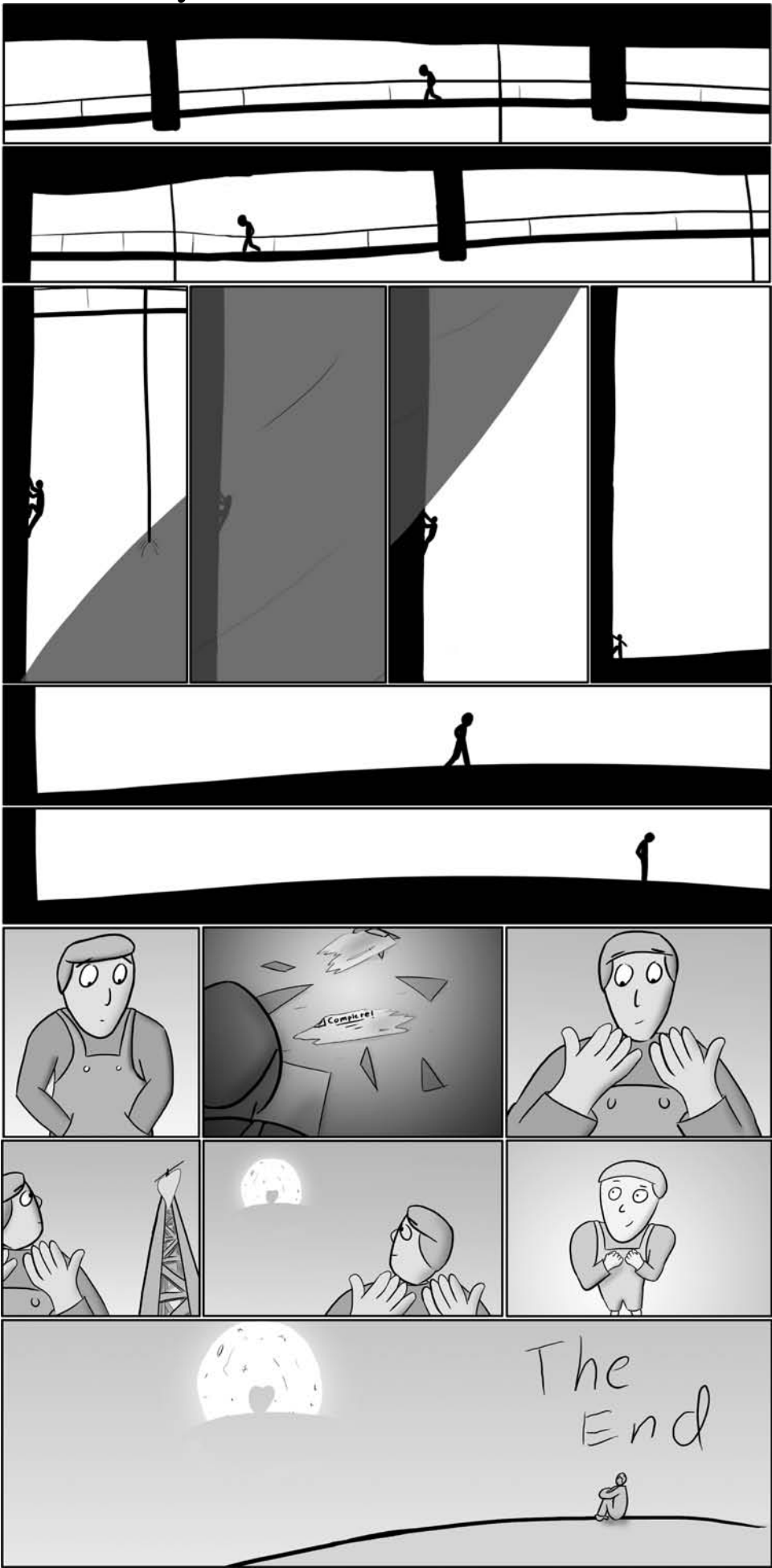
JORGE CHAM © 2008

Doonesbury BY GARRY TRUDEAU

Dilbert® by Scott Adams

Steal My Comic

by Michael Ciuffo



Crossword Puzzle

Solution, page 14

ACROSS
1 U.S. tennis great
5 Reverse an action
9 Boastful
14 Anthracite, e.g.
15 Part of speech
16 Make happy
17 Small gray-and-black songbird
19 Hayley of "Pollyanna"
20 Shinto temple gateway
21 Snobbery
23 GOP rival
25 Verbena plant
28 Approx.
31 "The Four Seasons" composer
34 Part of m.p.g.
35 Ayres and Wallace
37 Carried out
38 Phony
40 Seine islands
41 Game similar to keno
43 Nabokov novel
44 Audience loudmouth
46 D.C. old-timer
47 Rehan and Huxtable
48 In addition
49 Restaurant employee
52 Late starter?
53 Henry VIII's court painter
55 Get the point
57 Profit makers
60 Departs

DOWN
1 \$ in the bank
2 Manhattan neighborhood
3 '60s musical
4 Spanish hero
5 Spanish article
6 Focal point
7 Head-to-head contest
8 Tip or Eugene
9 Pairs of twins
10 Top guests
11 Miscellany
12 Letters on Cardinals' caps
13 Affirmative
18 Capital of the Ukraine
22 Polliwogs
24 Cerebrum's neighbor
26 Comaneci and others
27 King in "The Tempest"
28 Biblical prophet
29 Moon: pref.
30 One of two close rivals
32 Lock horns
33 Modify for new use
36 Former Sov. unit
39 Reg. agcy.
42 Neighbor of Swed.
45 Manicurist's boards
50 Having actual existence: Lat.
51 Woodlands ruminant
54 Actor Bostwick
56 Praise
58 Actor Julia
59 Dundee dagger
61 Suggestion
62 Cry
63 Broadcast
64 Church vow
65 Bird's bill
67 Mil. honor

su | do | ku

© Puzzles by Pappocom

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

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

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

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

Prereq: 5.112 or 3.091, 7.01x
Units: 3-0-9
Lecture: Tuesday and Thursday 1:00-2:30 (56-169)

Quantitative analysis of relationships between occupational and environmental exposures and risk for common mortal diseases such as cancer and atherosclerosis. Use of U.S. and Japanese mortality data to delimit the historical timing of changes in environmental risk. Use of state wide community data to explore local environmental risks. New this spring: Exploration of role of newly discovered "metakaryotic" organogenic stem cells in tumor and plaque initiation. See <http://epidemiology.mit.edu>.

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On-campus interviews February 11

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(left to right) David Sanchez '09, Rachel Batzer '11, Jessica Lin '12, Kelly Ran '12, Alejandro Arambula '12, Ethan Huwe '10, and Michael Roberts '11 put the finishing touches on the Solar Electric Vehicle Team's car Tuesday morning before a wind tunnel run at Jacobs Sverdrup in Dearborn, Michigan.

New Technology Made The Two Dozen Fired Scientists Obsolete

Broad Firings, from Page 1

Lander was away on personal travel and could not be reached for comment yesterday.

A Broad spokeswoman provided a statement late Tuesday afternoon explaining the firings as part of a move toward “actively developing and optimizing the use of next-generation high-throughput sequencing technologies,” which “require substantially different capabilities and resources on a different scale than the traditional technologies they are replacing.” The fired employees were proficient in technologies that the Broad Institute no longer needed, according to the press release.

According to the Broad press release, the firings are “unrelated to the recent widespread economic problems” and are instead “a reflection of the changes in DNA sequencing technologies, which require us to invest our sequencing resources in different ways.”

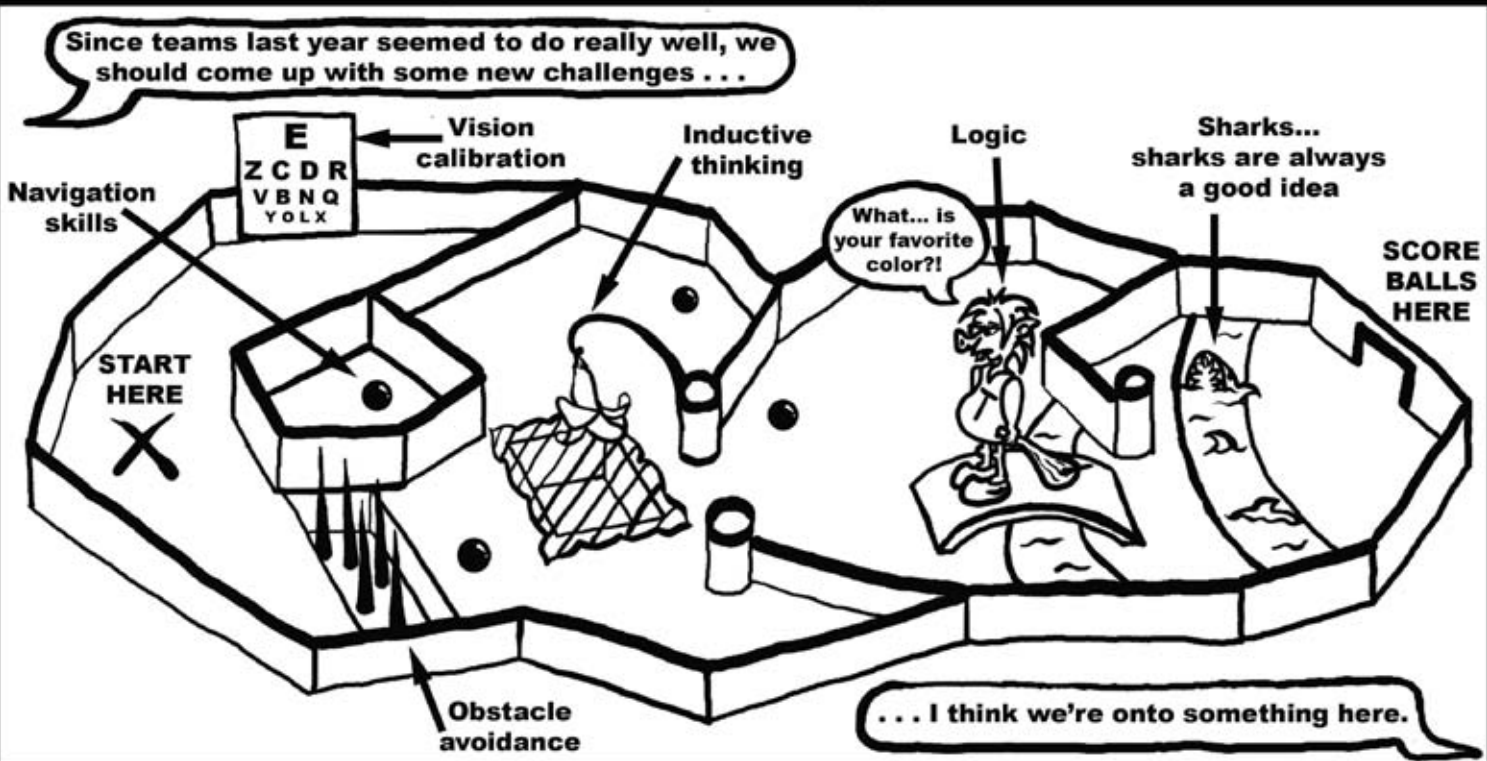
Venter also sought to distance its layoffs from the recession: “The reduction in staff announced today is a direct result of a technology shift and is not a reflection of the tough economic times that we are all facing in the United States today,” the December press release said.

Until last year, most modern DNA sequencing machines read at most about a hundred different sequences of DNA base pairs at a time. But “next-generation” machines which became prominent last year can read millions of sequences at once. While the old machines read much more slowly, they read larger sequences — perhaps hundreds of base pairs at a time. The next-generation machines read only dozens of base-pairs at a time, in clumps of millions, raising difficult questions of sequence alignment and error correction.

Elaine Mardis of Washington University in St. Louis said in a March 2008 paper that the new machines created a “revolution in genetics that ... will fundamentally change the nature of genetic experimentation.”

But while science continues to advance, for now, the people trained to the old way of doing things have been left behind.

Maslab Robotics Competition Brainstorming



By K. Collins and C. Celio

Solution to Sudoku

from page 9

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

Maslab 2009 Final Competition

Mobile Autonomous Systems Laboratory
01/30/09, 5 PM, 26-100

Key Words: vision-based robotics; autonomous; artificial intelligence; navigation of unknown playing field; mapping; odometry; feedback and controls; cross-disciplinary (Course 2 meets Course 6); Ubuntu GNU/Linux; Eee PCs; Java; multi-threaded; green/black six-bit barcodes to assist in navigation; yellow balls, yellow goals; red balls, red goals; student-run; industry sponsorship (ITA, D.E. Shaw, etc.); sleeping in lab; robots on fire; Skynet; kill-switch highly recommended.

maslab.mit.edu

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- ? a) Depression is a bunch of symptoms exhibited by weak people.
- b) Depression is an unbearable suppression of brain activity that can strike anyone.

Straightening out all the misconceptions, the correct answer is 'b'. It's a concept we should all understand and remember, and here's why. Depression strikes millions of young adults, but only 1 out of 5 ever seeks treatment for it. Too many just drag themselves along or eventually seek relief through suicide. Why not treatment? Partly lack of awareness. Partly the unwarranted negative stigma. This is what needs fixing. This is where we need you to change your attitudes. It's an illness, not a weakness. And it's readily treatable. Spreading the word and making this common knowledge is everybody's assignment.

UNTREATED
DEPRESSION

#1 Cause of Suicide

Public Service message from SA\VE (Suicide Awareness\Voices of Education)

http://www.save.org

Interior Renovations Still Postponed, But W1 Will Get a Facelift

W1's Donation, from Page 1

W1 is an important building," Kolbrander said, "and he wants to play a critical role in advancing it."

According to Colombo, the gift will not revert the decision to postpone the original renovations and opening of W1, which was originally scheduled for fall of 2010.

The Institute's senior administrators decided in October to postpone W1 renovations amid uncertainty due to the financial crisis. When the

crisis made future endowment income unpredictable, the Institute decided not to spend the \$90 million in general funds originally slated for W1.

Instead, the funds were reallocated to support "financial aid and other essentials to keep the academic mission moving forward at MIT," said Colombo at the time of the decision.

member at the base

TER'S ONLINE DICTIONARY

The opening of W1 was also expected to be coupled with an increase in the undergraduate class size, which is now also delayed until W1 is complete.

Architectural Terminology

cupola — a rounded vault resting on a usually circular base and forming a roof or a ceiling.

lintel — a horizontal architectural member spanning and usually carrying the load above an opening.

parapet — a low wall or railing to protect the edge of a platform, roof, or bridge.

sill — the horizontal member at the base of a window.

SOURCE: MERRIAM-WEBSTER'S ONLINE DICTIONARY

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TBP Career Fair

Tuesday, Feb 3, 9am-3:30pm




























Career Fair: 9am-3:30pm, MIT Rockwell Cage
Networking Banquet: 7-9pm, Marriott at Kendall (must register)
Register: <http://web.mit.edu/tbp/www/student.shtml>
More Info: tbp-career-exec@mit.edu

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<u>9am</u> : 14E-304	<u>3:30pm</u> : Lobby 7 balcony
<u>10am</u> : East Campus Talbot Lounge	<u>4:10pm</u> : The Bush Room
<u>11am</u> : The Bush Room	<u>5:00pm</u> : 16-220
<u>1-2pm</u> : Break	<u>6:10pm</u> : Bexley Basement
<u>2pm</u> : 7-431	<u>7:30pm</u> : McCormick Brown Lounge celebratory refreshments.

Top Salaries, 2006–2007

Name	Title	FY07 Compensation	Change from FY06	
Susan Hockfield	President	\$808,698 *	\$55,574	7%
Donald Lessard	Professor – Sloan School	\$657,520 †	**	
Seth Alexander	President of MITIMCO	\$530,280	\$455,634	86%
Rafael Reif	Provost	\$519,172	\$47,142	9%
Steve Marsh	Managing Director, Real Estate	\$493,803 †§	**	
Philip Rotner	Managing Director, Private Equity	\$485,704 †§	**	
Daniel Steele	Managing Director, Private Equity	\$477,651 †§	**	
Charles Vest	President Emeritus	\$446,920	**	
Allan Bufferd	Former Treasurer	\$431,170	(\$1,124,502)	-261%
Martin Kelly	Managing Director, Marketable Alternatives	\$425,975 †§	**	
Joel Moses	Former Provost	\$408,685	**	
Sherwin Greenblatt	Exec. VP and former Treasurer	\$366,008	(\$50,007)	-14%
John Deutch	Former Provost	\$358,236	**	
Philip Clay	Chancellor	\$355,376	\$37,409	11%
Theresa Stone	Exec. VP and Treasurer	\$296,704	**	
Dana Mead	Chairman of the Corporation	\$291,398	\$10,841	4%
Kathryn Willmore	Former Vice President & Secretary	\$285,757	**	
Gregory Morgan	Vice Pres. and General Counsel	\$242,357	**	
Kirk Kolenbrander	VP and Secretary	\$219,778	**	
Paul Gray	Former President	\$156,761	**	
Jeffrey Newton	VP – Resource Development	\$125,199	**	
Howard Johnson	Former President	\$39,530	**	

“Compensation” column includes regular compensation as well as contributions to employee benefit plans. This data is from fiscal year 2007’s IRS form 990 (July 1, 2006 through June 30, 2007), dated May 15, 2008. Parenthesized numbers are negative. Form 990 includes compensation to current and former “officers, directors, and trustees” as well as the “five highest paid employees” (†). Therefore, the list beneath Kelly is not comprehensive. “Change” column calculated from FY2006 form.

* Includes \$100,000 of deferred compensation (Hockfield).
** Data for this person did not appear in the FY2006 form, so no change is calculated.
† Appears in list of top five [non-officer] salaries.
§ Does not include incentive compensation: approx. \$237,000 (Marsh, Rotner, Steele) or \$210,000 (Kelly). Amount may have increased depending on endowment performance. Managing Directors are MITIMCO (MIT Investment Management Company) employees.

At European Career Fair, Students Seek Experience Abroad

EuroCareer Fair, from Page 1

crisis was beginning. Companies at that point were unsure to what extent they would be hiring.

Thoughts of the declining economy also affected students at the fair, which began a week that featured 71,400 layoffs on Monday and another 11,500 on Tuesday, according to CNN. “The number of domestic tech jobs is decreasing,” said Allen Yin ’11. “In Europe, there are many jobs and not too much of a language requirement.”

For Yin and others, there is also the excitement of exploring new countries.

Tracy just wants a chance to further explore his German heritage and utilize his German language skills that he’s developed in classes at MIT. The financial crisis, however, had no bearing on his decision. “Germany is facing a similar crisis that’s just as hard as in America. Also, students pay less tuition because European universities are state sponsored and so internships pay a fraction of what they do here.”

Financial concerns were also not a worry for Anna Shcherbina ’11,

especially because of Europe’s weak economy. Rather she’s looking forward to experiencing another culture and practicing her french.

While the fair was successful in drawing in students from all over, it was not without its share of problems. In particular, only 16 percent of the participants were from MIT, according to the fair’s website.

In addition, crowding caused some delays and long lines. “The recruiters were really nice, but the lines were bad,” said Hessenbruch. “There were 20-minute waits so the logistics could use some work.”

Overall, Hessenbruch explained, the fair went smoothly without any glitches due to much improved organization than previous years.

Starting in 1997, the European Career Fair was organized by European Club members who desired to work back in their home countries after graduation. Since then, the Fair has drastically expanded, growing more than 40 percent across recent years, with a continued influence from the MIT European Club and a recent 2007 partnership with the European Commission.



A snowman is seen in Kresge Oval on Tuesday evening.

ERIC D. SCHMIEDL—THE TECH

Dining Committee Still Waiting For Report

Slow Dining Progress, from Page 1

ber, the Undergraduate Association grew uncomfortable with the power given the committee and passed a bill requesting that undergraduates have a bigger say in future dining decisions. The bill, 40 UAS 6.4, required the committee to publish its meeting summaries, its new proposals, and all the data it considered when making its recommendations.

The committee has not yet taken a complete stance on MIT dining, according to committee member and UA Vice President Michael A. Bennie ’10. The committee is still awaiting a report from Envision Strategies, an operations consulting company specializing in restaurant management, food service, and college dining programs.

MIT hired Envision Strategies to evaluate a set of proposals made by the Blue Ribbon committee that would alter MIT’s dining plan. The committee expects to receive the Envision Strategies report in the near future; in early December, they expected the evaluations by early January.

While the committee has not yet scheduled its next meeting, they plan to meet once the new report arrives.

20.020: Learn how to design and build living organisms that solve real world problems

20.20

Introduction to Biological Engineering Design

9 units, T/R 11:30a - 1p and W 2-5p

No prerequisites

[http://openwetware.org/wiki/20.20\(S09\)](http://openwetware.org/wiki/20.20(S09))

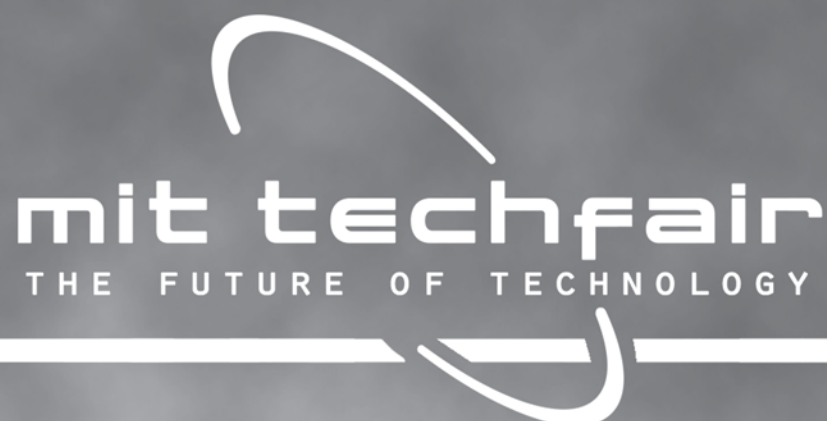
Instructor: Natalie Kuldell

Solution to Crossword

from page 9

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

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SPORTS

Super Bowl XLIII
Cardinals Have Shot At Breaching 'Steel Curtain' on Sunday

By David Zhu
STAFF COLUMNIST

It's that time of year again. The time when retailers use every possible euphemism to connect their products with "the big game," when thirty seconds on TV costs more than the GDP of a small third-world country, when the per capita consumption of hot dogs, chips, and other artery-clogging goodness increases I-don't-even-know-how-many-fold, when a man is once again judged by the size of his ... television? Yeah, Super Bowl Sunday.

This NFL season has seen more than its share of craziness — from the late-season collapses of the Cowboys and Jets, to the pathetic 0-16 performance of the Detroit Lions, to the complete reversal of roles between the Patriots and Dolphins — and the playoffs have been no exception. Of the twelve teams who entered the NFL postseason, only two remain: the Arizona Cardinals and the Pittsburgh Steelers.

The Arizona Cardinals, winners of the NFC West, entered the playoffs as a number four seed. They defeated the Atlanta Falcons in the first round, then upset the Carolina Panthers and Philadelphia Eagles to win the NFC title. The Cardinals have reached the championship game for the first time in sixty years behind the aerial attack of Kurt Warner and

Larry Fitzgerald and the reestablishment of the running game by Edgerin James.

The Pittsburgh Steelers, winners of the AFC North, are the number two seed in the AFC. After a bye in the first round, they were the only team with home-field advantage not to be upset in the Divisional matchups. The Steelers defeated the Baltimore Ravens and earned a spot in the Super Bowl through their dominant defense, which many believe to be the best in recent history.

So, how will the matchups play out on Sunday? In order for Arizona to win, they must contain Ben Roethlisberger and hope their offense can find a way to breach the "Steel Curtain" of Pittsburgh's defense. Their task is made somewhat easier, however, since Arizona head coach Ken Whisenhunt once directed the Pittsburgh offense and built their style of play. As for the Steelers, their offense must step up and score some points to support their defense.

Although I think the Cardinals would be a heavy underdog in Super Bowl XLIII, I'll pick them to win because: a) my Seahawks were shafted three years ago in the Super Bowl against Pittsburgh (by the officials, but shafted nonetheless), and b) if they somehow do win, I can take all the credit and get bragging rights in *The Tech's* sports office.

Prediction: Arizona, 17-14.

Steelers Face Cardinals In Super Bowl

By Nydia Ruleman
SPORTS STAFF

An average of 97.5 million viewers tuned in last year to watch the Super Bowl — the result of which shall not be mentioned here — making it the most watched NFL championship game in history. This year's Super Bowl, which will be broadcast in 232 countries, should not disappoint.

If you tune in to the game for the musical acts, Bruce Springsteen and the E Street Band will headline the halftime show. No wardrobe malfunctions there (hopefully). Jennifer Hudson, making her first public appearance since the murders of her mother, brother, and nephew, will sing the National Anthem prior to the game.

For those of you who enjoy the commercials, advertisers spent an average of \$3 million for 30 seconds of air time, so the ads ought to be good. After all, it's the one time people don't fast forward through the commercials.

For those of us who actually watch the football game: there are two reasons I think the Pittsburgh Steelers will defeat the Arizona Cardinals in Super Bowl XLIII. First, the Steelers will wear their white road uniforms. Pittsburgh's record in Super Bowls when wearing white? 2-0, defeating the Seahawks in 2006 and the Vikings in 1975. Second, the Steelers' defense has been dominant this season, ranking 2nd in yards allowed per game (behind the Titans) at 244.

One reason the Cardinals could win: Faith Hill will sing "America the Beautiful" during the pregame festivities. The last time the Grammy-winner performed at a Super Bowl was in 2000, when she sang the National Anthem before the Titans played the Rams.

As for the outcome of the game? Mike Jones tackled Kevin Dyson one yard away from the end zone as time expired and secured a 23-16 win for the Rams; Kurt Warner was named Super Bowl MVP. Now, nine years later, Warner has a chance to make history as the only starting quarterback to lead two different teams to victory in the Super Bowl.

Will the Cardinals win in their first Super Bowl appearance or will the Steelers secure their record-setting sixth NFL championship? I found two reasons for the Steelers and only one for the Cardinals, so I have to go with Pittsburgh.

Prediction: "Tough to say ..."

SCOREBOARD

Men's Basketball	
Saturday, Jan. 24, 2009	
MIT (12-4)	83
Clark University (8-9)	72

Women's Basketball	
Wednesday, Jan. 21, 2009	
Worcester Polytechnic Institute (13-4)	39
MIT (4-10)	59
Saturday, Jan. 24, 2009	
Mount Holyoke College (5-12)	64
MIT (4-11)	54

Men's Fencing	
Saturday, Jan. 24, 2009	
Northeast Fencing Conference Meet	
MIT	3rd of 6

Women's Fencing	
Saturday, Jan. 24, 2009	
Northeast Fencing Conference Meet	
MIT	1st of 6

Men's Ice Hockey	
Wednesday, Jan. 14, 2009	
MIT (6-4-1)	3
Bryant University (3-5-0)	0

Women's Ice Hockey	
Friday, Jan. 23, 2009	
Plymouth State University (0-13-0)	0
MIT (3-9-1)	8
Saturday, Jan. 24, 2009	
University of Southern Maine (9-6-3)	3
MIT (4-9-1)	5

Squash	
Wednesday, Jan. 21, 2009	
MIT (8-4)	8
Brandeis University	1

Men's Swimming	
Saturday, Jan. 24, 2009	
Tufts University (4-3)	116
MIT (7-0)	182

Women's Swimming	
Saturday, Jan. 24, 2009	
Tufts University (6-1)	170
MIT (5-3)	130

Men's Volleyball	
Wednesday, Jan. 21, 2009	
MIT (2-3)	3
Lesley University (0-2)	0
Friday, Jan. 23, 2009	
MIT (2-4)	1
Lasell College	3

Wrestling	
Wednesday, Jan. 21, 2009	
Norwich Quad Tournament	
MIT	4th of 4

UPCOMING HOME EVENTS

- Wednesday, Jan. 28, 2009**
Wrestling vs. Bridgewater State University and Roger Williams College 5 p.m., duPont Gymnasium
Men's Ice Hockey vs. Bridgewater State University 7 p.m., Johnson Athletic Center
- Thursday, Jan. 29, 2009**
Men's Volleyball vs. Wentworth Institute of Technology 7 p.m., Rockwell Cage
- Friday, Jan. 30, 2009**
Rifle Bean Pot 6 p.m., duPont Athletic Center
Women's Ice Hockey vs. Castleton State University 7 p.m., Johnson Athletic Center
- Saturday, Jan. 31, 2009**
Rifle Bean Pot 9 a.m., duPont Athletic Center
Squash vs. Fordham University 1 p.m., Zesiger Center
Men's Basketball vs. Wheaton College 2 p.m., Rockwell Cage
Squash vs. Northeastern University 3 p.m., Zesiger Center
- Sunday, Feb. 1, 2009**
Fencing Eric Solee Invitational 8:30 a.m., duPont Gymnasium
- Monday, Feb. 2, 2009**
Men's Basketball vs. University of Massachusetts Boston 7 p.m., Rockwell Cage

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