

Sophomore Died in Bedford on Saturday

Cause of Death Is Still Under Investigation

By Michael McGraw-Herdeg
STAFF REPORTER

Kabelo Zwane '12 was found dead on Saturday, Nov. 7, in a wooded area in Bedford, Mass., the MIT News Office reported yesterday afternoon. He was 21.

The cause of death is not foul play but is still under investigation, the News Office reported.

Possible causes of death could include accident or suicide.

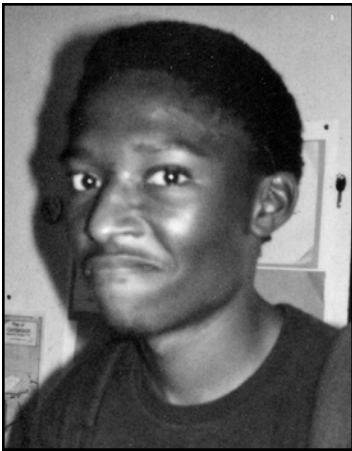
The Bedford police detective handling the case and the Middlesex County district attorney could not be reached last evening.

Through diplomatic channels, MIT notified Zwane's family in his home country, Swaziland, on Wednesday.

In his freshman fall and spring, Zwane took classes with MIT's Experimental Study Group.

"He was the sweetest guy I've every met ... a really kind, soft spoken person," said Holly B. Sweet, associate director of ESG and Zwane's freshman advisor. "He was really trying hard in all his classes," she said.

Zwane worked part time in the ESG office this summer, cleaning and fixing things up, she said. He once gave ESG a presentation about his home country, a small landlocked



COURTESY EXPERIMENTAL STUDY GROUP
Kabelo Zwane '12

nation bordered by South Africa and Mozambique.

He was active in the African Students Association and the Campus Crusade for Christ.

"The association as a whole joins his family and the MIT community in mourning his death," said African Students Association president Carolyn N. Gathinji '11. "He will be remembered for his kindness and his good hearted personality," she said.

"He was a strong Christian,"

Zwane, Page 13



JESSICA LIU—THE TECH

OCW's budget saw a \$500,000 decrease in the 2009 fiscal year. Plans for increased revenue include a "Course Champions" pilot campaign and continued use of referral links.

OpenCourseWare Cash Woes Drive Search for New Revenue Sources

By Divya Srinivasan
STAFF REPORTER

MIT's OpenCourseWare is in danger of running out of funding by the 2012 fiscal year at current expense levels, according to the executive director of OCW, Cecilia d'Oliveira '77.

During the past fiscal year, OCW reduced its original \$4.1 million budget by \$500,000, cut an open staff position, and renegotiated technology service contracts, all in an effort to promote financial sustainability.

OCW might also seek to generate revenue by providing the foundation-

al course materials for new degree-granting, long-distance education programs. OCW has enlisted the assistance of a pro bono team from the management-consulting firm Bain & Company in aligning these efforts with OCW's mission and principles.

According to d'Oliveira, OCW publishes about 80 new courses and updates about 120 already-documented courses each year. "This level of publishing allows us to keep the core MIT GIR and elective courses, as well as courses that are important components of departmental degree programs, relatively up-to-date with

respect to the curriculum in use at MIT," d'Oliveira said. "Further reductions in scope would cause the OCW site to become significantly out-of-date, reducing its value for students as an advising support tool and as relevant supplemental materials for the courses they are taking. For our global audience, it would mean that the materials don't reflect as closely the state of the art for subjects taught at MIT."

Since its launch in 2002, close to 60 million viewers have used OCW,

OpenCourseWare, Page 15

850 Children, Students Are Vaccinated At MIT Medical H1N1 Influenza Clinic

By Robert McQueen
ASSOCIATE NEWS EDITOR

Over 100 students who came to MIT Medical between 12 and 3 p.m. on Wednesday received H1N1 vaccines.

Medical had prepared 1000 vaccines in vials for a clinic meant for children under age 17, but, after a

low turnout from the target group, Medical decided to open up the clinic to all students under the age of 24, since any unused vaccines would have expired the next day, said MIT Medical Chief of Internal Medicine Howard M. Heller.

In total, close to 850 children and students were vaccinated.

In an effort to tell as many students as possible that the vaccines were available on short notice, Medical sent e-mail to all Medlinks. Heller also posted the announcement on his Facebook account.

MIT receives all its H1N1 vaccines

Vaccines, Page 11

Two Years Later, Former Head of Admissions Is a Freelance College Advisor

By Jingyun Fan
STAFF REPORTER

Marilee Jones, who resigned as dean of admissions in April 2007 after admitting she had lied about

her academic credentials on her resume, has forged a new life for herself after MIT.

She now lives in New York City and has started a consulting business, called Marilee Jones Consulting. She

said she is "very, very happy."

Through her business, Jones said she has been advising parents on how to support their children in their college application processes.

"I am not an independent counselor," said Jones. "I don't help kids get into college, but I show parents how to behave around their children ... I support parents so they don't screw up their kids."

Jones said that about 50 people

Jones, Page 11



JESSICA LIU—THE TECH

Jeffrey F. Disko '10 and Sean P. Faulk '11 rehearse for *Too Much Light Makes the Baby Go Blind* on Wednesday. The MIT Dramashop production, a series of 30 plays in 60 minutes, runs from 8 p.m. to 10 p.m. Thursday through Saturday in little Kresge.



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Cure

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Keep the plinths empty in
Lobby 7.

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Capitalism works.

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WORLD & NATION

Drugs to Deter Some Cancers Are Largely Ignored, Experts Say

By Gina Kolata
THE NEW YORK TIMES

Many Americans do not think twice about taking medicines to prevent heart disease and stroke. But cancer is different. Much of what Americans do in the name of warding off cancer has not been shown to matter, and some things are actually harmful. Yet the few medicines proved to deter cancer are widely ignored.

Take prostate cancer, the second-most commonly diagnosed cancer in the United States, surpassed only by easily treated skin cancers. More than 192,000 cases of it will be diagnosed this year, and more than 27,000 men will die from it.

And, it turns out, there is a way to prevent many cases of prostate cancer. A large and rigorous study found that a generic drug, finasteride, costing about \$2 a day, could prevent as many as 50,000 cases each year. Another study found that finasteride’s close cousin, dutasteride, about \$3.50 a day, has the same effect.

China Is Accused of Abuses in Secret Jails

By Keith Bradsher
THE NEW YORK TIMES

HONG KONG

China’s national government tolerates an extensive network of secret jails in Beijing operated by provincial and municipal governments to prevent citizens from complaining to national officials, according to a report released here Thursday by Human Rights Watch.

The report was based on interviews with 38 former detainees who had gone to Beijing to complain about what they described as corruption or other abuses of power at lower levels of government. It said that guards at the “black jails” beat, sexually abused, intimidated and robbed men, women and teenagers.

Provincial and municipal officials in China are subject to a national civil service system that penalizes them based on the number of complaints received in Beijing about their management. Thus, local and provincial officials have a strong incentive to prevent petitioners from reaching the central government.

Sophie Richardson, the advocacy director for Asia at Human Rights Watch, said that abuses were widespread in China’s prison system, which has some judicial supervision, but that they were worse in unofficial jails.

In Replacing Dobbs, CNN Makes A Straightforward Bet

By Brian Stelter and Bill Carter
THE NEW YORK TIMES

Replacing an anchor known for his outspoken political beliefs with a traditional Washington reporter, CNN on Thursday said a political news program led by John King would fill Lou Dobbs’s time slot early next year.

King is currently the anchor of “State of the Union,” CNN’s Sunday political talk show.

Jonathan Klein, the president of CNN/U.S., told employees on a conference call Thursday morning that King’s move was “a statement about the importance of real nonpartisan news to CNN.” The channel’s middle-of-the-road newscasts, however, have lost market share to the more cacophonous programs on MSNBC and the Fox News Channel.

In interviews Thursday, Klein denied that CNN had acquiesced to pressure by Hispanic advocacy groups to drop Dobbs, a fervent opponent of illegal immigration. Rather, he said, it was Dobbs’s decision: while the anchor had adapted in recent months to CNN’s mostly opinion-free format, “he came to me a few weeks ago and said he’d decided it wasn’t for him,” Klein said.

Housing Agency Tightens Rules as Reserves Dwindle

By David Streitfeld
THE NEW YORK TIMES

The Federal Housing Administration, the government agency whose loan-insurance programs have become a crucial source of support for the housing market, said Thursday that its cash reserves had dwindled significantly in the last year as more borrowers defaulted on their mortgages.

The agency released an audit that spelled out the rapid deterioration of its finances. It is tightening loan standards in hopes it will not become another drain on the U.S. Treasury, but is reluctant to clamp down so much that it snuffs out the tentative recovery in housing.

How successfully the agency walks this tightrope could well determine whether the recovery gathers force, or whether home prices slide again — perhaps creating a fresh economic downturn.

As recently as a few weeks ago, the FHA had said that even under the bleakest economic forecast, its cash cushion would quickly recover. On Thursday, it abandoned that position.

“There is a real risk. Nobody has a crystal ball,” Shaun Donovan,

secretary of housing and urban development, said in an interview. “We recognize there is a possibility that the reserves go below zero and stay there.”

Still, Donovan stressed that the agency, which had a role in one out of five home purchases in the last year, would not need a direct taxpayer bailout.

“There is no extraordinary action that Congress or anyone else needs to take,” he said during a news conference in Washington.

Instead, the agency would borrow from the Treasury, under authority previously granted by Congress. In the worst case, involving a protracted recession, the audit said the FHA would run out of capital in 2011 and have to borrow \$1.6 billion from the Treasury to pay insurance claims, a relatively small sum.

That is not a situation the agency considers likely. In line with many analysts, the agency expects the housing market to turn down again over the next nine months and then to recover. Under this projection, foreclosures would be manageable and the reserves would quickly grow.

The FHA’s annual audit was

scheduled for release last week, but was mysteriously delayed at the last minute. On Thursday, as it released the document, the agency explained that it wanted its auditors to include more negative forecasts as a way of understanding the worst-case risk.

The audit showed reserves to be 0.53 percent of the total portfolio, far below the 2 percent minimum mandated by Congress and far less than the audit last year had forecast. In 2007, just before housing prices began their worst slump in decades, the reserves were above 6 percent.

Ann Schnare, a consultant who has analyzed the FHA balance sheet, put the situation this way: “They’re running on empty.”

As the fortunes of the FHA have deteriorated over the last few months, the agency has become a focal point for dissatisfaction over federal efforts to prop up the housing market.

It is drawing comparisons to Fannie Mae and Freddie Mac, the giant agencies created by Congress to keep the mortgage market supplied with cash by buying up pools of home loans. With borrowers defaulting in the downturn, Fannie and Freddie have required enormous bailouts.

Major Held in Fort Hood Rampage Charged with Murder

By James C. McKinley Jr.
THE NEW YORK TIMES

FORT HOOD, TEXAS

Military officials charged Maj. Nadil Malik Hasan on Thursday with 13 counts of premeditated murder, accusing him of a brutal one-man attack here at America’s largest Army post last week and setting in motion what promises to be a historic court-martial proceeding that could end in the death penalty.

Hasan, 39, an Army psychiatrist who had espoused the belief that America’s wars in Iraq and Afghanistan were wars against all Muslims, is accused of opening fire with a pistol on Nov. 5 at a Fort Hood center where troops receive medical attention before being deployed or after returning from overseas.

Before being cut down by the police, he shot to death four commissioned officers, eight enlisted sol-

diers and one civilian in the crowded center, officials say. Twenty-nine other people were wounded, even as some threw chairs and tables at the gunman and struggled to flee the building.

Christopher P. Grey, a spokesman for the Army Criminal Investigation Command, said the 13 murder counts against Hasan marked “initial charges” and said “additional charges may be preferred in the future, subject to the ongoing criminal investigation.”

From the day the shooting started, military investigators and the FBI have been trying to determine if Hasan acted alone, and so far, law enforcement officials in Washington say, they have found no evidence of a conspiracy.

Col. John P. Galligan, a retired Army officer who is representing Hasan, has questioned whether the suspect will be able to get a fair trial

at Fort Hood. He also told CNN that he had spoken to the major, who remains wounded and heavily sedated at Brooke Army Medical Center in San Antonio. Galligan did not return messages from a reporter on Thursday.

Grey said Hasan remained under guard at the hospital, where he is listed in stable condition and is recovering from four gunshot wounds. Twelve of the shooting victims remain in hospitals, one in intensive care, Col. John Rossi said.

The investigation is going slowly, Grey said. Investigators have cordoned off the medical building, along with four adjacent buildings and two large nearby parking lots. They are meticulously analyzing evidence of more than 100 rounds that authorities said Hasan fired during the attack. They are also interviewing dozens of witnesses, he said.

WEATHER

Will the Remnants of Ida Greet New England?

By Roman Kowch

As you may have noticed, the above average temperatures from early this week have given way to more seasonable temperatures for New England. Highs today will be near 50°F (10°C) with some gusty east winds developing. The winds will result from a departing high pressure centered near Nova Scotia, along with a broad low pressure center located just off the Virginia coast.

The low pressure center, which is in fact the remnants of Tropical Storm Ida, will bring more moisture into New England by Friday night. Thanks to Ida, we will see rainy and windy weather beginning Friday night and lasting into Saturday night. By Sunday, skies should slowly clear through the day as the coastal low pressure continues to move away and weaken altogether. In its place, fair weather will dominate the forecast for early next week.

Extended Forecast

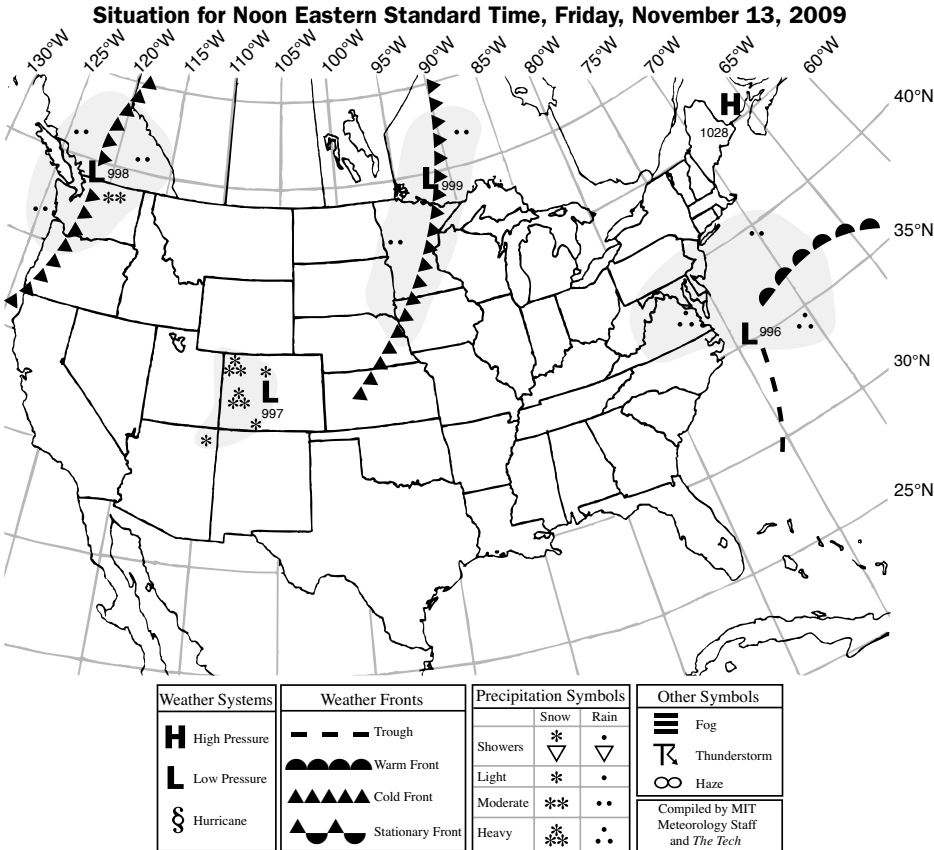
Today: Cloudy. Slight chance of rain in the afternoon. High 50°F (10°C). E wind 15–20 mph, with gusts to 25 mph. Chance of rain: 30 percent.

Tonight: Showers likely after midnight. Low 47°F (8°C). E wind 15–20 mph. Chance of rain: 70 percent.

Tomorrow: Rain likely. High 54°F (12°C). E wind 15–20 mph, with gusts to 30 mph. Chance of rain: 80 percent.

Sunday: Rain ending. Cloudy with clearing by late afternoon. High 62°F (17°C).

Monday: Sunny. High 56°F (13°C).



Settlement Between AMD and Intel Will Not End Their Woes

By Steve Lohr and James Kanter
THE NEW YORK TIMES

The giant chip maker Intel, facing antitrust challenges around the world, announced Thursday that it would pay \$1.25 billion to settle its long-running disputes with its smaller rival, Advanced Micro Devices.

The settlement, covering both antitrust and patent claims, ends the computer industry’s most bitter legal war.

But the truce may not be enough to turn around the fortunes of AMD, which has struggled to come up with chips that give it any significant technological or performance edge over Intel, which supplies about 80 percent of the microprocessors that sit at the heart of personal computers.

At least in the short term, the settlement also does not end Intel’s antitrust problems. Governments in Europe, the United States and Asia have accused the company of systematically using large rebates and co-marketing arrangements to persuade computer makers to use its chips instead of those made by AMD.

The regulators contend that Intel’s tactics have not only hurt competitors, but also effectively forced customers to

pay higher prices. On Thursday, both the European Union and the New York attorney general’s office said they would continue to press their cases against the company.

Still, legal experts say the agreement resolves some of the antitrust issues surrounding Intel and could dissuade other government agencies from bringing cases against the company.

The Federal Trade Commission, for example, has been investigating the big chip maker for the past year but has taken no action. “This private settlement has probably taken a lot of wind out of the sails” of the FTC’s case, said Herbert Hovenkamp, an antitrust expert and law professor at the University of Iowa.

The agreement between the two Silicon Valley companies mainly covers AMD’s claims that Intel rewarded computer makers that used only Intel chips and punished those who bought from AMD. Intel contends that it never engaged in tactics to exclude AMD from the marketplace but agreed in the settlement not to do so in the future.

The pact provides for quarterly meetings between the companies and programs for mediating disputes over

exclusionary practices. The firms will also cross-license each other’s patents for five years.

But it’s unclear whether the deal will truly change the competitive dynamics between the companies. AMD, founded 40 years ago, rose to prominence as a maker of Intel-compatible chips, but it has had difficulty producing notably better products than Intel and often ended up in devastating price wars.

Dirk Meyer, the chief executive of AMD, said the settlement opened the door to a “transformation in the way our industry operates,” though he admitted change would not be immediate.

Thomas M. McCoy, AMD’s executive vice president for legal affairs, said his company’s long-time goal had only been fair competition. “We’re not looking for any help, just do not hurt us,” he said.

Intel executives said that settling the case was a pragmatic business decision, a careful weighing of risks.

The jury trial in AMD’s antitrust case against Intel was scheduled to begin in Delaware next spring. If things had gone against Intel, the chip maker could have been hit with triple damages, executives said.

Pfizer To Leave City That Won Land-Use Suit

By Patrick McGeehan
THE NEW YORK TIMES

From the edge of the Thames River in New London, Conn., Michael Cristofaro surveyed the empty acres where his parents’ neighborhood had stood, before it became the crux of an epic battle over eminent domain.

“Look what they did,” Cristofaro said Thursday. “They stole our home for economic development. It was all for Pfizer, and now they get up and walk away.”

That sentiment has been echoing around New London since Monday, when Pfizer, the giant drug company, announced it would leave the city just eight years after its arrival led to a debate about urban redevelopment that rumbled through the U.S. Supreme Court, and reset the boundaries for governments to seize private land for commercial use.

Pfizer said it would pull 1,400 jobs out of New London within two years and move most of them a few miles away to a campus it owns in Groton, Conn., as a cost-cutting measure. It would leave behind the city’s biggest office complex and an adjacent swath of barren land that was cleared of

dozens of homes to make room for a hotel, stores and condominiums that were never built.

The announcement stirred up resentment and bitterness among some local residents. They see Pfizer as a corporate carpetbagger that took public money, in the form of big tax breaks, and now wants to run.

“I’m not surprised that they’re gone,” said Susette Kelo, who moved to Groton from New London after the city took her home near Pfizer’s property. “They didn’t get what they wanted: their development, their big plan.”

Kelo lived in a small pink house in the Fort Trumbull section that was square in the sights of city and state officials who wanted to revitalize the area. The city had created the New London Development Corp. to buy up the nine-acre neighborhood and find a developer to replace it with an “urban village” that would draw shoppers and tourists to the area.

Economic development officials in Connecticut used that plan — and a package of financial incentives — to lure Pfizer to build a headquarters for its research division on 26 acres near-

by. With an agreement that it would pay just one-fifth of its property taxes for the first 10 years, Pfizer spent \$294 million on a 750,000-square-foot complex that opened in 2001.

By then, Kelo, the Cristofaros and several neighbors had sued the city to stop it from using its power of eminent domain to take their property. The dispute, known as Kelo v. New London, wound up at the Supreme Court in 2005 as one of the most scrutinized property-rights cases in years.

In a 5-4 decision, the high court ruled that it was permissible to take private property and turn it over to developers as part of a plan to bolster the local economy. Conservative justices, including Clarence Thomas, dissented. Thomas called New London’s plan “a costly urban-renewal project whose stated purpose is a vague promise of new jobs and increased tax revenue, but which is also suspiciously agreeable to the Pfizer Corporation.”

The decision was widely criticized, and spurred lawmakers across the country to adopt statutes to prevent similar uses of eminent domain.

In Remote Afghan Area, A Model Development Program

By Sabrina Tavernise
THE NEW YORK TIMES

JURM, AFGHANISTAN

A plan for grass-roots aid using small sums of money and village councils has nurtured modest but important changes in this corner of Afghanistan, raising hopes that it could become a model in a country where official corruption and a Taliban insurgency have frustrated many large-scale development efforts.

Since arriving in Afghanistan 2001, the United States and its Western allies have spent billions of dollars on development projects, but to less effect and popular support than many had hoped for.

Much of that money was funneled through the central government, which has been increasingly criticized as incompetent and corrupt. Even more has gone to expensive private contractors hired by the United States who siphon off almost half of every dollar to pay the salaries of expatriate workers and other overhead costs.

Not so here in Jurm, a valley in the windswept mountainous province of Badakhshan, in the northwest. People

here have taken charge for themselves — using village councils and direct grants as part of an initiative called the National Solidarity Program, introduced by an Afghan ministry in 2003.

Before then, this valley had no electricity or clean water, its main crop was poppy and nearly one in 10 women died in childbirth, one of the highest maternal mortality rates in the world. Today, many people have water taps, fields grow wheat and it is no longer considered shameful for a woman to go to a doctor.

If there are lessons to be drawn from the still tentative successes here, they are that small projects often work best, that the consent and participation of local people are essential and that even baby steps take years.

The issues are not academic. Bringing development to Afghans is an important part of a counterinsurgency strategy aimed at drawing people away from the Taliban and building popular support for the Western-backed government by showing that it can make a difference in people’s lives.

“We ignored the people in districts and villages,” said Jelani Popal, who

runs a state agency that appoints governors. “This caused a lot of indifference. ‘Why should I side with the government if it doesn’t even exist in my life?’ ”

In places like Jurm, the presence of the central government is barely felt. The idea to change that was simple: People elected the most trusted villagers, and the government in Kabul, helped by foreign donors, gave them direct grants — money to build things like water systems and girls’ schools for themselves.

Local residents contend that the councils work because they take development down to its most basic level, with villagers directing the spending to improve their own lives, cutting out middle men, local and foreign, as well as much of the overhead costs and corruption. “You don’t steal from yourself,” was how Ataulloh, a farmer in Jurm who uses one name, described it.

The grants were small, often less than \$100,000. The plan’s overall effectiveness is still being assessed by academics and U.S. and Afghan officials, but the idea has already been replicated in thousands of villages across the country.

Suspect in Russian’s Poisoning Not Charged

By Michael Schwirtz and Alan Cowell
THE NEW YORK TIMES

MOSCOW

German prosecutors have abandoned investigations into one of the main figures suspected of involvement in the killing of a former KGB officer in London three years ago without bringing charges, according to accounts on Thursday by the prosecutors and the man in question.

Dmitri V. Kovtun, a businessman with his own links to Russian security services, was initially suspected by German prosecutors of illegally transporting a rare radioactive isotope, Polonium 210, through Germany and then to London where investigators say it was used to poison Alexander V. Litvinenko, a former KGB officer and whistleblower who had publicly criticized the Russian president at the time, Vladimir V. Putin.

The killing embroiled most of Europe in a Cold War-style drama, with investigators chasing a trail of radioactive material from a hotel bar in London to Moscow and aboard the passenger airlines that linked those cities.

German investigators had discovered traces of the substance in Hamburg, where Kovtun traveled just days before Nov. 1, 2006, when Litvinenko believed he was poisoned. Litvinenko died 22 days later.

On Thursday, Kovtun said that he had received word from his lawyer that all the charges in Germany were dropped, a decision he said he had expected.

Two Sunken Japanese Subs Are Found Off Hawaii

By Henry Fountain
THE NEW YORK TIMES

Researchers on Thursday announced the discovery of two World War II Japanese submarines, including one meant to carry aircraft for attacks on American cities and the Panama Canal, in deep water off Hawaii, where they were sunk 63 years ago.

The submarines, among five that were captured by U.S. forces at the end of the war and brought to Pearl Harbor for study, were found off Oahu at a depth of about 2,600 feet using submersibles from the Hawaii Undersea Research Laboratory, which is financed by the National Oceanic and Atmospheric Administration and located at the University of Hawaii at Manoa. The five were towed to sea in 1946 and torpedoed, and the researchers said one probable reason for that was to avoid having to share any of the technology with the Russian military.

One of the Japanese craft, the I-201, was capable of speeds of about 20 knots while submerged, making it among the fastest diesel submarines ever made. Like other Japanese subs, it had a rubberized coating on the hull, an innovation intended to make it less apparent to sonar or radar.

The other, the I-14, was much larger and slower and designed to carry two small planes, Aichi M6A Seirans. The aircraft, which had folding wings and tails and could carry a torpedo or 1,800-pound bomb, were housed in watertight hangars inside the submarine.

Wal-Mart’s Profit Rises, But a Key Indicator Slips

By Stephanie Rosenbloom
THE NEW YORK TIMES

As more consumers flocked to Wal-Mart the last few months for deals on brand-name electronics, the company cut prices drastically to keep up with competitors, undermining its sales.

Wal-Mart, the nation’s largest retailer and an increasingly important player in electronics retailing, posted strong third-quarter earnings on Thursday. Though the company has gained market share during the recession, sales at stores open at least a year — an important measure of retail health — fell slightly. Wal-Mart attributed the decline to price deflation in groceries and, especially, in electronics.

“Prices have declined dramatically,” said Riddhi Patel, principal analyst with market research firm iSuppli. She added that, industry-wide, prices for LCD televisions fell 23 percent and prices for plasma TVs fell 18 percent from the third quarter of 2008 to the third quarter of this year. Electronics analysts said prices dropped as retailers vied for sales to tight-fisted consumers.

“Wal-Mart and Best Buy are locked in this life-and-death struggle for market share,” said Paul Gagnon, director of North American TV research for DisplaySearch, a research firm. “They’ve both been pretty aggressive in dropping prices.”

And for good reason. Low prices are crucial to winning in this economy, analysts said.

Officials Search for Answers in Widespread Brazil Blackout

By Alexei Barrionuevo
THE NEW YORK TIMES

RIO DE JANEIRO

The huge power failure involving the world’s largest operating hydroelectric plant this week was the worst in its 25 years of use, Brazilian officials said Wednesday, causing widespread blackouts that exposed the vulnerability of Brazil’s electricity infrastructure.

Officials in Brazil and Paraguay were still searching for answers late Wednesday to explain the failure at the Itaipu plant, which straddles the border between the countries along the Parana River and is a critical source of power for both nations.

For more than two hours late Tuesday, the failure of three transmission lines that deliver power from the plant created a domino effect, cutting off electricity to 18 of 26 states in Brazil, including the country’s two largest cities, Sao Paulo and Rio de Janeiro. Tens of millions of people were affected.

Much of Paraguay, which suffered several brief power failures in the past week, was also blacked out Tuesday night for about 20 minutes.

Electricity system operators said that there was no evidence of sabotage and that the most likely cause was an unexplained atmospheric disturbance, like heavy rains or winds in the area. “The system is not fragile, it is one of the strongest and most secure in the world,” said Edison Lobao, Brazil’s energy minister.

Still, energy experts in both countries said the widespread blackout showed the potential weaknesses in Brazil’s transmission system and the need for better management of the interconnected electrical grids.

OPINION

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Should MIT Accept Picower Money?

The recently filed will of Jeffry Picower, who granted 50 million dollars to MIT (2001 to 2005) to fund the Picower Institute for Learning and Memory, specifies that much of his remaining assets be placed in a new charitable foundation devoted largely to funding medical research. What will be receiving attention at the MIT Treasurer's office no doubt is that the will directs that the new foundation in its first year grant MIT an additional 25 million dollars for the Picower Institute for Learning and Memory. It is now known from court filings in the Madoff case that Jeffry Picower received

over 7 billion "net" in phony profits from the Madoff Ponzi, and that this constitutes the bulk of his wealth. So I ask:

Is Madoff Ponzi money passed through a tax free foundation sufficiently laundered to accept, or should it be considered dirty, stolen money that should be rejected? Should MIT accept the 25 million additional dollars for the Picower Institute for Learning and Memory that a new Picower foundation may soon grant, or in fact any additional money from Barbara Picower and the Picower estate, given that the source of most of this money is the Madoff Ponzi?

Don Fulton '64

Predicting and Observing MIThenge

I thank *The Tech* for its recent article about MIThenge, particularly for the aspects about etiquette during the event.

Potential observers may wish to know that the current best source of predictions (and why making such predictions is harder than it might seem) can be found at <http://futureboy.us/mithenge/>, which is updated at regular intervals. If you would like to help make predictions more accurate (and earn the thanks of many), please read that page for how to observe in a way that will be the most helpful.

Leonard Foner '86



IF A CHRISTMAS CAROL TOOK PLACE TODAY...



Opinion Policy

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The Empty Plinths of Lobby 7

Statue-less Pedestals Architecturally Embody the Institute

Ken Haggerty

As one who is particularly fascinated by the synergistic relation between people and architecture (how architecture affects people and how people interpret and affect architecture), I find the plinths in Lobby Seven to be one of the most endearing and defining aspects of MIT. What many may not know is that William Welles Bosworth, the architect of MIT’s main academic buildings, also intended to erect a three-story statue of Minerva in front of Building 10. However, such an enormous idol was vetoed by Richard Maclaurin, President of MIT, during its transition from Boston to Cambridge, and it soon became a running joke between the two (Bosworth was adamant about the Minerva, but President Maclaurin would have none of it). As such, when one enters Kilian Court nowadays, he or she is greeted by the overwhelming mass of the buildings themselves, topped by the imposing dome of Barker Library —much more representative symbols of the Institute than a literal and figural (not to mention gargantuan) representation of wisdom.

I should like to think that the reason the Lobby 7 plinths have remained empty to this day stems from President Maclaurin’s vehemence towards Bosworth’s Minerva; namely, that the Institute was conceived, as many affectionately call it, as an “idea factory.” The Infinite Corridor, the tunnel systems, the exposed pipes, and the generally austere and functional nature of MIT’s architecture all stem from this idea that higher education should be productive and not a “collegiate retreat.” MIT has always been about the larger issues and moving forward. In this sense, the buildings should be tools for its inhabitants and stimuli for the production of new ideas, not temples of wisdom.

Thus I find it strange that the current proposal to “fill” Lobby Seven’s plinths has been “enthusiastically received by the administration.” I should like to think that the empty plinths are the most apt symbols of what MIT stands for: its students. On any given day, you will notice students reading, sleeping, waiting for friends, or coding on laptops atop these pedestals. It fills me with great happiness to



PHOTO ILLUSTRATION BY SAM RANGE—THE TECH

walk through and see not a dead philosopher or work of abstract art but a real, living student (many times someone I know) atop one of Lobby Seven’s plinths. It makes me feel that MIT is proud enough of its students to let them sit atop the pedestal and greet newcomers and tourists instead of a cold statue of a person who has already been enshrined in the annals of history. It’s these kind of idiosyncrasies that give the Institute its character and distinguishes it from other schools.

This is not to say that I am unappreciative of the Class of 1954’s efforts to contribute to the Institute. Their generosity and willingness to solicit ideas from the current student population are admirable and representative of the kind of consideration, communication, and transparency that ought to be encouraged. I merely recommend that their resources and efforts be directed at other portions of campus in more desperate need of “improvement,” such as the Stratton Student Center.

Ken M. Haggerty is a member of the Class of 2011.

A Defense of Capitalism

Kevin Fisher

In his November 6 column in *The Tech*, entitled “Who Does Capitalism Really Work For?,” Alexi Goranov argues that, given the current economic and social state of America, it is clear that there must be an overhaul of the system. Greedy corporations and those in the upper echelon of the economic ladder have stopped at nothing to profit at the expense of America’s working class. The system has rewarded the few while failing to provide for the majority of Americans. Therefore, it is our responsibility to initiate a new, democratic way of doing things, one that puts people before money.

This seems like a plausible argument. Yet what is its moral basis? Although not explicitly stated, the premise is that people have a right to certain things and it is society’s job to provide them. If I need something, it is the job of someone else to produce it for me. As Obama aptly put it in a recent speech on race, “Let us be our brother’s keeper.” The products of society are resources, to which all, at least to some extent, are entitled to. However, society is not an entity. It is made up of individuals, who themselves have inalienable rights. If it is society’s responsibility to provide for our needs, then the reality is that it is the job of some person to produce for the benefit of someone else. A socialist system is based upon this moral code.

Everyone has one fundamental right: a right to life. This doesn’t mean a right to healthcare or Social Security. Instead, it means that everyone has a right to live their own lives as they see fit, to follow a set of values which they have chosen. In essence, everyone has a right to freedom. In this sense, the moral code described above violates this right. It holds that people owe something back to the community, that property can be taken in the name of the collective.

Society cannot produce anything. It has no rights. Therefore, society cannot claim anything for itself. Men and women, on the other hand, produce everything and have rights. Democracy is no justification of the alternative. A majority does not have a free pass to violate the rights of a minority.

This is the moral justification of capitalism. It is a system that respects property rights and allows people to function as free individuals, just as the Founding Fathers envisioned. People interact with each other voluntarily in such a system, valuing and trading goods and services only when they see a benefit for themselves. Capitalism is not evil. It is not a necessary flaw to be tolerated. It is the system that has made the United States the wealthiest nation in the world. It is the reason why for hundreds of years immigrants have left their homes to follow their dreams in the land of opportunity. It allows all people to live at their highest potential, enjoying the fruits of their own productive work with the guarantee that it is theirs.

You have every right to disagree with and criticize this argument. Yet the debate must be relevant to the subject at hand. Capitalism is a social and economic system, not a political one. As Michael Moore shows in *Capitalism: A Love Story*, fraud in the government has been rampant. There are some corporations that wield sizable influence in government policy, which they use to cheat the system and gain even more profits. Fraud is wrong,

but the solution is not to reevaluate our social and economic system. Rather, we should question the effectiveness and functioning of the government. Moore says that the \$700 billion dollar financial bailout was in many ways a result of the greed of bankers who happened to have connections in the Treasury Department. It was immoral, even from a capitalist point of view. Corporations, just like individuals, do not have a right to be saved at the expense of others.

Another argument that is often made against capitalism as seen in America is the growing gap between the rich and the poor. Depending on your value system, you may or may not be troubled by such statistics. From a capitalist point of view, this is not so bad. In a society that rewards productive achievement, some people are going to be richer, possibly by a lot, than others. In an ideal capitalist system, a person gets wealthy when other people value the

products of his or her work. As a nation gets wealthier, it is generally true that the rich will get richer at a greater rate than the poor will get better off.

Yet this is because the richest members of society are, in an ideal system, producing the most. This is not to say that America is a perfect model of such a social and economic order, but it does employ many of its basic principles. Everyone benefits from the work of productive individuals, including the poor. America is so wealthy because Americans produce things that are of value to people all over the world.

By redistributing wealth, or increasing equity, it is a basic economic principle that efficiency will decrease as a result. The morality of such an exchange is implicit in the philosophy of capitalism. People will not and by no means should be expected to do their best work when they are not in control of what they produce.

Capitalism works because it respects property rights. Individuals interact with each other only on a voluntary basis, when they see a benefit. The extent to which our nation has practiced these principles has made us one of the wealthiest and most productive countries on the planet, whose citizens enjoy a standard of living well above that of the vast majority of the global population. Our country definitely has many problems that need to be addressed. Yet I think the answer is not to overhaul or even restrict capitalism. Rather, a more effective solution might be to make our political system more compatible with our economic one. To ensure that the government performs its most crucial responsibility, to protect the most fundamental rights to life, liberty, and the pursuit of happiness, above else.

This discussion has not been intended to be an exhaustive argument in favor of capitalism. Rather, it has been intended to add another dimension to the debate and address some of the important points which I felt had been missing so far. America is at a turning point. In light of the financial collapse, issues with healthcare and the waning competitiveness of our education system, just to name a few, it is clear that things need to be done differently. What exactly needs to be done differently is the subject of a very important dialogue, one for which I have sought to initiate a framework. I encourage you to contact me at kfisher@mit.edu if you have found any of this compelling and would like to contribute to this debate.

Kevin Fisher is a member of the Class of 2012.

UA Update

Senate met on Monday, November 9. Kirk D. Kolenbrander, Vice President of Institute Affairs and Secretary of the Corporation, discussed the Corporation’s visiting committee structure. Kolenbrander described their purpose, reporting structure, and composition.

Many pieces of legislation were brought before Senate. 41 U.A.S. 4.2: Bill to Create a Record of Standing Practices, which creates institutional memory of the standing practices and procedures of the Senate each year, was passed. The passing of 41 U.A.S. 5.1: History Committee Budget Timing allowed for the committee’s alumni dinner to take place during IAP instead of the fall semester. \$5,000 from the Senate Discretionary was allocated to help pay for the cost of a TV outside the Student Center to display information about Saferide with the passing of 41 U.A.S. 5.2. The Dining Proposal Committee was formally dissolved when 41 U.A.S. 5.3 was passed.

41 U.A.S 5.4: Including the ASA Bylaws in the UA Bylaws, which requires that ASA bylaws be enumerated within the Senate Bylaws, was presented to Senate and tabled until the next meeting.

One piece of legislation presented to Senate, 41 U.A.S. 4.1: Bill to Clarify “Final Authority” in the Constitution, failed to pass, but Senate’s discussion of this bill indicated they would like to clarify the constitutional notion of “final authority,” although not in the manner presented in this bill.

—Elizabeth A. Denys, UA Secretary General



ARTS

MOVIE REVIEW

‘(UNTITLED)’ Is a Pleasant Cacophony ... But Is It Art?

By Jenny Xie

(UNTITLED)
Directed by Jonathan Parker
Written by Jonathan Parker and Catherine DiNapoli
Starring Adam Goldberg and Marley Shelton
Rated R
Now Playing

UNTITLED), a new contemporary film by Jonathan Parker, daringly satirizes the sensitive subject of art in modern society. The film, starting from its very title, is odd. It’s evocative like a documentary, humorous like a comedy film, but altogether captivating like a piece of art. Here’s why.

The film cycles between a few quirky characters amidst an awkwardly candid galleria atmosphere. Adrian (Adam Goldberg) is the musician who knows all the classics on the piano but finds true passion in composing music from ripping paper and dropping chains at a precise angle; he maintains a humble audience of seven per show. Josh (Eion Bailey), Adrian’s largely commercially successful brother, paints, dare I say, repetitive impressionistic pieces readily consumed by hospital rooms and hotel lobbies. Marley Shelton plays the unquestionably smart, driven, and sexy Madeleine, who tips the balance between the brothers by inviting Adrian to perform at her gallery, and implicitly demoting Josh to the post of the money-making backroom laborer of her avant-garde establishment. What ensues is one’s trite struggle to be “taken seriously,” another’s to stay true to personal values; one’s climb up the ladder of status, another’s up the ladder of sophistication. Each of these trials is rather mundane by itself. Yet when placed in one mosh pit, the characters are full of conflict, the soundtrack full of dissonance, and the motif of cacophony elucidates perhaps the meaning behind all the fuss.

(UNTITLED) portrays the inner workings of a strange microcosm of the New York contemporary art scene that is largely reflective of the modern art world. The film touches upon a host of buzzwords that crowd the current life of art: exposure vs. uniqueness, “expressing yourself,” personal fulfillment vs. financial viability, and the mother of all relevant inquiries, “But is it art?” What ties all these heavy thematic ideas together is their affinity for controversy. The circle of personalities in the film hold to their own opinions; they are so in-



COURTESY PARKER FILM COMPANY/SAMUEL GOLDWYN FILMS
Adam Goldberg as Adrian Jacobs and Marley Shelton as Madeleine Gray in (UNTITLED).

tensely principled and in line with their visions that any sign of fickleness is seen as artistic license. Such resounding discordance in the characters prompts the audience to consider some of the pressing issues referenced in the film. Disagreement brings doubts, which inevitably lead to questions. What satisfies an artist? How about the collector? Gallery owner? Who dictates the direction of the art scene? And after we decide something is art, then what is its purpose? (UNTITLED) gives you the space to ponder — you figure out what goes inside.

Still, the film is not a documentary; it maintains a consistent, strange satirical humor. No doubt, much comedy comes from caricaturing common perceptions of contemporary art: the outlandish works, pretentious individuals, frivolous attribution of depth to various works. For one, laughter surfaced both in the movie-going audience and in Adrian’s film audience in response to his bizarre musical compositions. But there is also humor in blunt slapstick as well as irony that seeps through awkward situations. This combination of subtle and flamboyant comedy is an invaluable rarity.

Granted, (UNTITLED) does not have flashy cinematography. Instead it rotates through a few minimalist settings. Nor does it project poignant ballads or orchestral resonance. But what’s lost in the lack of traditional appeal to the senses is gained through smart, sassy dialogue. Take Adrian. In response to criticism about his music lacking harmony, what does he say? “Harmony is a capitalist plot to sell pianos!” My jaw dropped — saucy, rapid-fire interactions like this carry the film along. (UNTITLED), with its eccentricity from subject to characters to soundtrack will startle you from the first minute, but it takes a willingness to think and digest all the unorthodox elements of this film to enjoy it to the last.

The tagline is “everyone’s got an opinion.” If you have ever had one about art, (UNTITLED) should prove rewarding.

CONCERT REVIEW

I Am a Rock. I Am An... Islands

Check Out Montreal’s Most Approachable And Progressive Indie Band

By Matt Fisher

Islands
Middle East Downstairs, Cambridge, MA
November 4, 2009

Looking a little like I’d imagine a Jedi-Elvis impersonator might, Nick Thornburn, (a.k.a. Nick T, formerly Nick Diamonds) lead singer of Islands and vanguard of the Montreal music scene, took the stage, and, with an aloofness characteristic of his interviews and performances, enchanted Wednesday’s audience.

The opener, Jemina Pearl, lead singer of the now defunct Be Your Own Pet, took her solo act on the road by finding three similarly garage-oriented musicians, and then pouring her voice over ineptly distorted punk chords. In my meaningless-but-mean opinion, the Middle East could have saved some cash and played a bootleg copy of any Sleater-Kinney album to similar effect.

The crowd, tall and eclectically composed of those there for Jemina Pearl and Islands, responded exuberantly to Thornburn’s equally eclectic oeuvre, exhibiting huge energy through the fast songs, and singing along to the slower, more meandering pieces from Island’s catalog. Playing all but two songs from their new album *Vapours*, the

THEATER REVIEW

Side Show Puts Singers On Display

By Michael T. Lin

Side Show
MIT Musical Theater Guild
La Sala de Puerto Rico
November 6–7, 12–14 at 8 p.m.

The MIT Musical Theater Guild opened their *Side Show* (book and lyrics by Bill Russell, music by Henry Krieger) last weekend, and in keeping with a long-standing sideshow tradition, offered an experience that was different and unforgettable. Of course, the metaphor collapses when you realize that, contrary to being the stuff of nightmares, MTG’s *Side Show* is not only enjoyable but is one of those rare musicals that elicits drama without resorting to character death (not that there’s anything wrong with that, Mr. Whedon) or *deux ex machina*.

Make no mistake, *Side Show* is not a comedy, so if you walk in expecting a happy ending, you may be surprised, although you’d have to be really, really attached to the missing sunshine and flowers to actually be disappointed with the show. It’s full-fledged drama through and through, with familiar themes like unrequited love and not-so-familiar themes like finding acceptance as a conjoined or “Siamese” twin.

The story of *Side Show* focuses on conjoined twins Violent and Daisy, played by Kimberly A. Brink ’10 and Rachel Coffin, respectively. The characters are written as brilliantly talented singers, and both Brink and Coffin are more than equal to the task. As far as I can tell, the pair’s vocal abilities are superb by any standards, professional or otherwise. In spite of not having brought along any of my Perfect-Pitch-O-Meter friends along when I saw it, I honestly doubt that even they could find any fault with either female lead. While on the subject, the orchestra pit also holds up well under constant pressure.

Side Show has the quirk of being almost en-

tirely sung with little (if any) spoken dialogue, adding an extra challenge for the cast as well as for director Priscilla W. Army ’10. Army, in her first directorial position with the Musical Theater Guild, comes out strong, as the leads are also fairly phenomenal in their acting roles. Of course, it certainly doesn’t hurt that the juxtaposition of the main characters’ emotional arcs is hit-you-over-the-head literal in their side-by-side comparison. A special mention also goes to Carlos E. Cardenas ’09 as supporting character Joke. Cardenas, a staple of MTG shows for quite some time, not only sings and acts convincingly but leads one of the most exciting musical numbers in Act I, an upbeat, swingy affair that engages most of the ensemble.

Even though *Side Show* is a drama and consequently short on laughs, emotion and frills still run rich. In particular, the musical is set in the heyday of vaudeville, and the handful of vaudeville-esque musical numbers (featuring more puns on Siamese twins than you can shake two conjoined sticks at) feel authentic without being entirely corny. The only thing missing is a rendition of “Puttin’ On The Ritz,” and one number in Act II comes surprisingly close. It’s mild cheesiness in the name of realism, and it plays well.

Even taking into consideration that I went to the opening night showing, *Side Show* is not a perfect show. The vocal precision of some cast members sets a standard that not all can hold up, and if you’re not like me and tend not to get swept up in shows as easily as I do, the romantic plotlines might feel bland. That said, if you are like me, don’t be surprised if you find yourself on the brink of tears at any point during Act II. The drama runs high, as it tends to do with the subject of love, and the performers are solid. If that doesn’t convince you, I’ll word my recommendation as simply as I can — I’m thinking of seeing it a second time. Upcoming performances are tonight and tomorrow night at 8 p.m. in La Sala de Puerto Rico.



ELIJAH L. MENA
The Boss, performed by Zachary B. Barryte ’13, leads the circus company during the Musical Theater Guild’s production of *Side Show* in La Sala de Puerto Rico. The show runs tonight and tomorrow evening at 8 p.m.

When in Rome
Exclusive Screening at MIT

Touchstone pictures will be at MIT next Thursday, November 19 to present an exclusive screening of *When In Rome*. A romantic comedy slated for release next January, the film features Kristin Bell on a one-of-a-kind journey to Rome. Luck leads to love, but Bell’s character is faced with the pursuits of a handful of zealous suitors. How will she pick *the one*? The screening will be in 26-100 at 8 p.m. Exclusive passes can be downloaded at www.wheninromescreenings.com.

Tech Concert Corner:
November

Medeski Martin & Wood
TONIGHT
House of Blues, Boston, MA

The Dirty Projectors
November 17
Paradise Rock Club, Boston, MA

Sonic Youth
November 22 & 23
Wilbur Theatre, Boston, MA

Cobra Starship
November 28
Showcase Live, Foxboro, MA

Phish
November 29
Cumberland Country Civic Center,
Portland, ME

CONCERT REVIEW

Opening to ‘The Complete Symphonies’ Garnerers Applause

Even in Levine’s Absence, BSO Pays Tribute to Beethoven

By Sarang Kulkarni
Boston Symphony Orchestra
Rafael Frühbeck de Burgos, conductor
Symphony Hall, Boston, MA
October 24, 2009

Conductor Rafael Frühbeck de Burgos led the Boston Symphony Orchestra to a fabulous performance in a sold-out program featuring Beethoven’s Symphony Nos. 1, 2 and 5. This was the first concert in the Boston Symphony Orchestra’s *The Complete Symphonies* series featuring all of Beethoven’s symphonies over four episodes. Originally, BSO Music Director James Levine was scheduled to conduct every program of this series. However, he had to undergo back surgery earlier and was advised to refrain from conducting. Maestro Frühbeck de Burgos, currently chief conductor and artistic director of the Dresden Philharmonic, conducted the orchestra in the series premiere in place of Maestro Levine. Maestro Frühbeck de Burgos was quite conservative in his interpretations. There were no fancy, whimsical tempo changes, and the tempi he chose made the music sound very deliberate. This is not a complaint; while the tempi were slightly on the slower side, nothing was dull. This was particularly apparent

in the Fifth Symphony where, even though it was not played very fast, all the grandeur was extremely apparent, the slight slowness of the tempo only adding to the elegance of the piece. But more on that later. The concert opened with a performance of Beethoven’s *Symphony No. 1 in C Major*. The orchestra was very well synchronized and it took me a while to notice that Maestro Frühbeck de Burgos was conducting without a score. (Maestro Frühbeck de Burgos is a veteran and this is Beethoven’s symphony we are talking about so this is somewhat expected, but I still get a surge of awe and respect when I see someone conduct without a score.) The first movement started off on a serene note. As the piece progressed, the forte portions added to the grandeur. The tempo continued to remain slightly slow but was brisk nevertheless. The second movement continued just as elegantly, especially the first few measures which seemed outright gentle after the relatively loud end of the first movement. The grandeur and playfulness returned again in the third and fourth movements, which sounded quite jovial and cheery. The second movement is my most favorite movement of the symphony and I enjoyed it the most and there were no disappointments. I had one qualm though. The piano por-

tions of the music sometimes seemed too soft and their detail was lost on me. This was also true for the second piece played, *Symphony No. 2 in D Major*. However, I was generally quite pleased with both the First as well as the Second. The striking feature of this juxtaposition of Beethoven’s works was the clarity with which one could see how different the two symphonies are. In the First, one sees a conformist Beethoven, composing music that sounds like that of his predecessors, Haydn and Mozart. There is no scherzo, but rather a minuet. In contrast, he really spreads his wings for the Second, with the second movement of the Second Symphony characteristically unlike that of his predecessors but rather distinctly like him. The rendition of this slow second movement was particularly fabulous and I made a mental note to try to attend the orchestra’s performance of the similar Sixth Symphony. The third and the final piece on the program was Beethoven’s *Symphony No. 5 in C minor*, one of the most popular of his symphonies, perhaps second only to the Ninth in terms of popularity. Its distinctive four note opening is well recognized by many people, to the point of it being somewhat of a cliché. Right after those initial four notes, I afforded a guess that it was going to be a loud

but conservative affair. The sheer number of performers on stage also supported this — the stage was quite packed. The guess turned out to be right. The tempo was slightly on the slower side as had been the norm throughout the performance. The piano portions were not too soft this time, and I was in general quite happy. The rendition did not disappoint me, but I didn’t think it was particularly noteworthy either. To be fair, this was somewhat expected as the Fifth Symphony is quite popular and familiar, and the lack of novelty that I felt only shows this. I must add that in the end it all felt “right” — it ended right about where it should have; nothing felt too fast or too slow or too loud, so I’d say apart from the lack of novelty, it was pretty much perfect. The performance was very well received with many rounds of applause and shouts of “Bravo!” following its conclusion.

The BSO CollegeCard

The Boston Symphony Orchestra regularly makes available concerts to MIT students free of charge under the CollegeCard program which is also subsidized by the MIT Office of Arts. More details are available at <http://web.mit.edu/arts/see/freetickets/>.

CONCERT REVIEW

Lorin Maazel Leads a Worthy Finale

Ninth Symphony Satisfies, Eighth Symphony Impresses

By Sarang Kulkarni
Boston Symphony Orchestra
Symphony Hall, Boston, MA
November 7, 2009

In the final concert of the Boston Symphony Orchestra’s *The Complete Symphonies* series, celebrated conductor Lorin Maazel led the orchestra to a remarkable performance of Beethoven’s Eighth and Ninth Symphonies. Maestro Maazel, former Music Director of the New York Philharmonic, conducted the orchestra in the last two episodes of the series in place of Maestro Levine. The concert opened with the Eighth Symphony and, I must say, it was one of the best performances of the Eighth Symphony I have ever heard. Maestro Maazel’s tempi were conservative, perhaps a tad on the slower side, and they succeeded in bringing out the character of the piece. His interpretations of the piece were brilliantly executed by the orchestra, and, throughout the piece, I felt nothing but perfect musical harmony. Nothing was too loud, nothing was too soft. Everything felt perfectly synchronized. There were relatively few performers performing the piece but it was a very effective rendition. I remember that it took no more than the first few measures to bring a big smile to my face and this lasted throughout the duration of the piece. On occasions, I even wondered if I was grinning somewhat stupidly at the orchestra. Clearly the cheerful nature of the piece was expounded very effectively by the performance. Frankly I was a bit surprised by the amount of applause the orchestra received; I feel they deserved much more.

Beethoven’s *Symphony No. 8 in F Major* is one of the most cheerful and light-hearted of all his symphonies and shows none of the turmoil in Beethoven’s life when it was composed — he had just come to terms with the fact that he was mostly deaf. First performed in 1814, it is a brisk piece filled with jokes for both the listener as well as the performer. In stark contrast to the Eighth, Beethoven’s *Symphony No. 9 in D minor* is a much more serious piece. It is also one of the most familiar pieces of classical music, especially its finale which has parts for voice and the famous poem “Ode to Joy.” The Ninth Symphony has been an integral part of popular culture as well, with many movies, from the 1971 classic *A Clockwork Orange* to the 2009 Woody Allen film *Whatever Works* incorporating portions of the symphony in their themes. Thus, I am sure it is understandable that while entering into the concert hall, I was a bit concerned that the Ninth Symphony might turn out to be a bit blasé. My hopes were raised by the fabulous performance of the Eighth, but the Ninth was not as impres-



Lorin Maazel conducts the Boston Symphony Orchestra and the Tanglewood Festival Chorus in Beethoven’s *Symphony No. 9*, with (from left, foreground) soprano Christine Brewer, contralto Meredith Arwady, tenor Matthew Polenzani, and bass-baritone Eike Wilm Schulte.

sive. I did not get the “kick” I was looking for, quite unlike the Eighth. Maestro Maazel’s interpretations were slightly unconventional and I found the tempi to be too slow for my liking, especially the scherzo. I was at times reminded of how perfectly in sync the orchestra was for the Eighth, as their performance of the Ninth was not as perfect. Perhaps I am being a little harsh here, and I may have had unrealistically high expectations throughout, but I don’t think that that is entirely unpardonable considering that it’s the extremely popular, somewhat clichéd Ninth Symphony

we are talking about. Things started picking up when the vocals kicked in and bass-baritone Eike Wilm Schulte’s O Freunde, nicht diese Töne (O friends, not these tones) felt very apt after the third movement. He sang in a loud and clear voice, and it almost felt as if he was shaking everyone and imploring everyone to be more cheerful. The other soloists, tenor Matthew Polenzani, contralto Meredith Arwady and soprano Christine Brewer were also very good. At times I did feel that perhaps it would have been even better if Ms. Brewer had been a

bit louder as at times her voice was drowned a little by the other singers. The Tanglewood Festival Chorus conducted by John Oliver sang beautifully and gave a very impressive performance. I was particularly impressed by the manner in which they smoothly sustained some of Maestro Maazel’s holds as they were rather prolonged at times. The performance was greatly appreciated with many rounds of applause, confirming once again the popularity of the Ninth Symphony and of Beethoven’s greatness as a composer.

Toons Hold Concert for Multiple Sclerosis

Local collegiate a cappella and dance groups came to 10-250 on Saturday evening for the 4th annual MIT/Wellesley Toons Concert for a Cure, targeting Multiple Sclerosis. Over \$1,700 was raised for the Accelerated Cure Project, which conducts research aimed at understanding and curing the disease.

(top right) Leslie S. Nachbar '10 of the MIT/Wellesley Toons sings "Thank You" by Boyz II Men.

(top left) A crowded 10-250 watches as the Harvard Din & Tonics sing.

(middle) The Dance Organization of Boston College (DOBC) members reach for the sky.

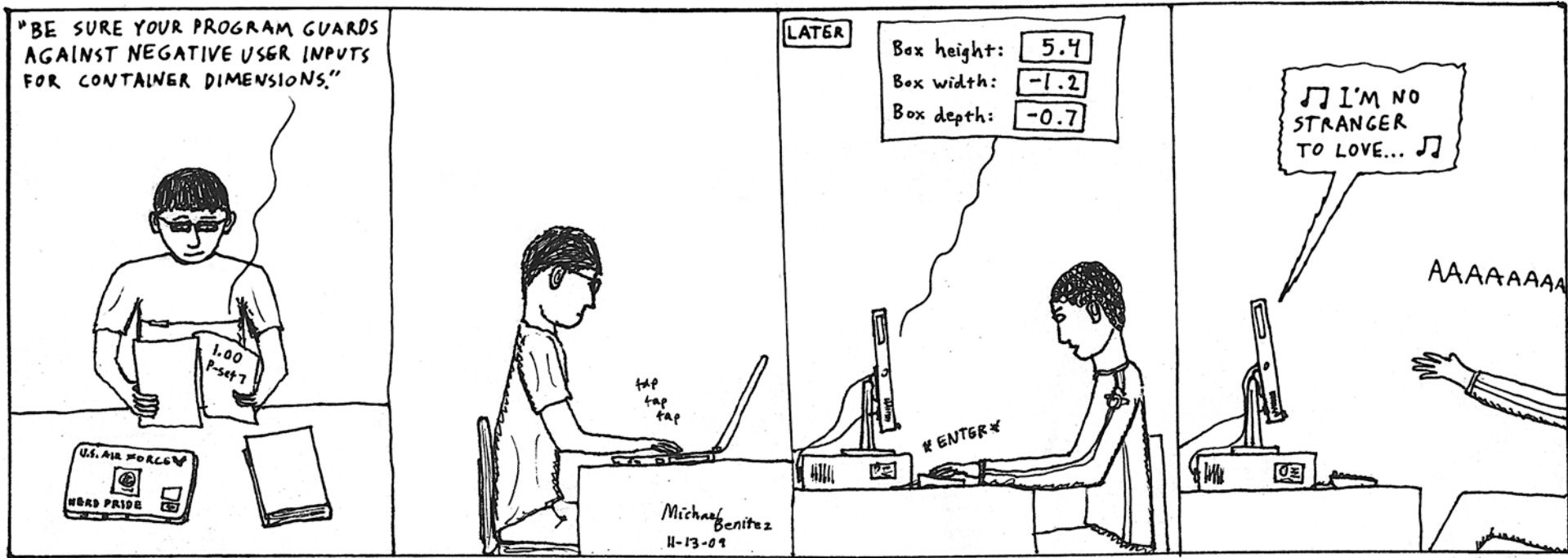
(bottom) Wellesley College's AscenDance performs.

Photography by Corey J. Kubber



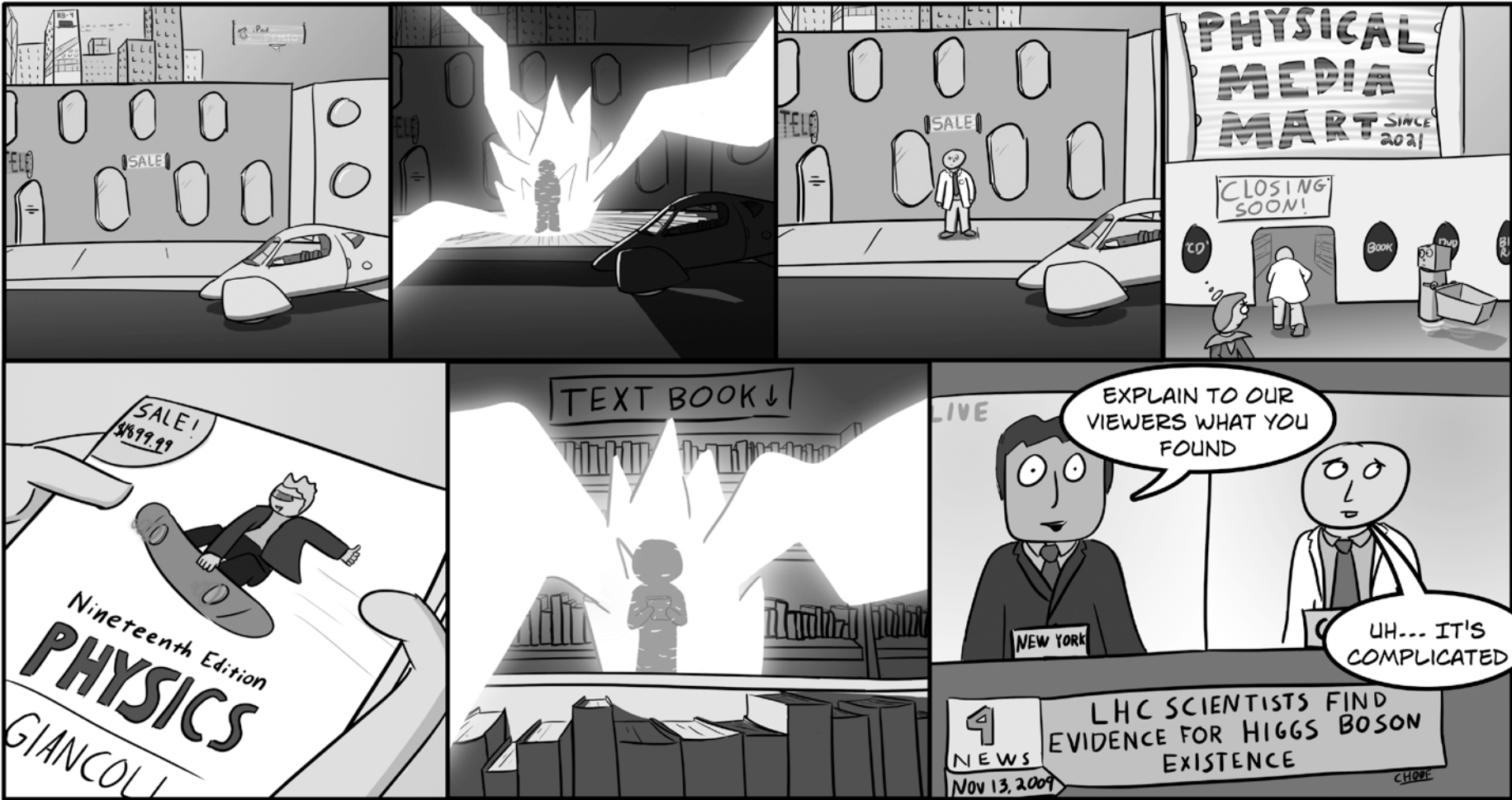
Help Desk

by Michael Benitez



Steal My Comic

by Michael Ciuffo



Crossword Puzzle

Solution, page 14

ACROSS

1 Bends out of shape

6 Lead actor

10 Venomous vipers

14 Nimble

15 Encore!

16 Political alliance

17 Conductor's guide

19 Author Ephron

20 Sense of taste

21 Naval might

23 Soft drink

25 Male gamete

26 Foundation

29 Sort

31 Upolu resident

34 Sailor's org.

35 Corridors

37 News anchor

38 Valerie Harper sitcom

40 Lubricate

41 Slur over

42 Conduit for waste

43 Strange

45 Massive ref. work

46 Famed Spanish fleet

48 Wildebeest

49 Connecting words

50 "Island of the Blue Dolphins" author

52 "True ___"

54 Rasputin, e.g.

57 Like a hereditary condition

61 Norse deity

62 Equine buddy, perhaps

64 Tree trunk

65 Bart's bus driver

66 Bogged down

67 Snow racer

68 Light gas

69 Frighten

DOWN

1 Stinging insect

2 Turkish VIP

3 Cambodian moola

4 Delight

5 Heated disagreement

6 Dallas sch.

7 Throw

8 Zodiac sign

9 Brief summaries

10 Deviant

11 Common special effect

12 Skin opening

13 Wound reminder

18 Current events sources

22 Topped out

24 Permit

26 Saclike cavity

27 One of Jacob's sons

28 Winter vehicle

30 Carbon-arc lamp

32 Assisted

33 Requirements

35 More difficult

36 Throw

39 Desensitized

44 Bucolic

47 Singer Krauss

49 Kind of bomb

51 Coffee choice

53 Agenda entries

54 Mournful sounds

55 Billy of rock

56 Allied org.

58 Medic or normal lead-in

59 Way of old Rome

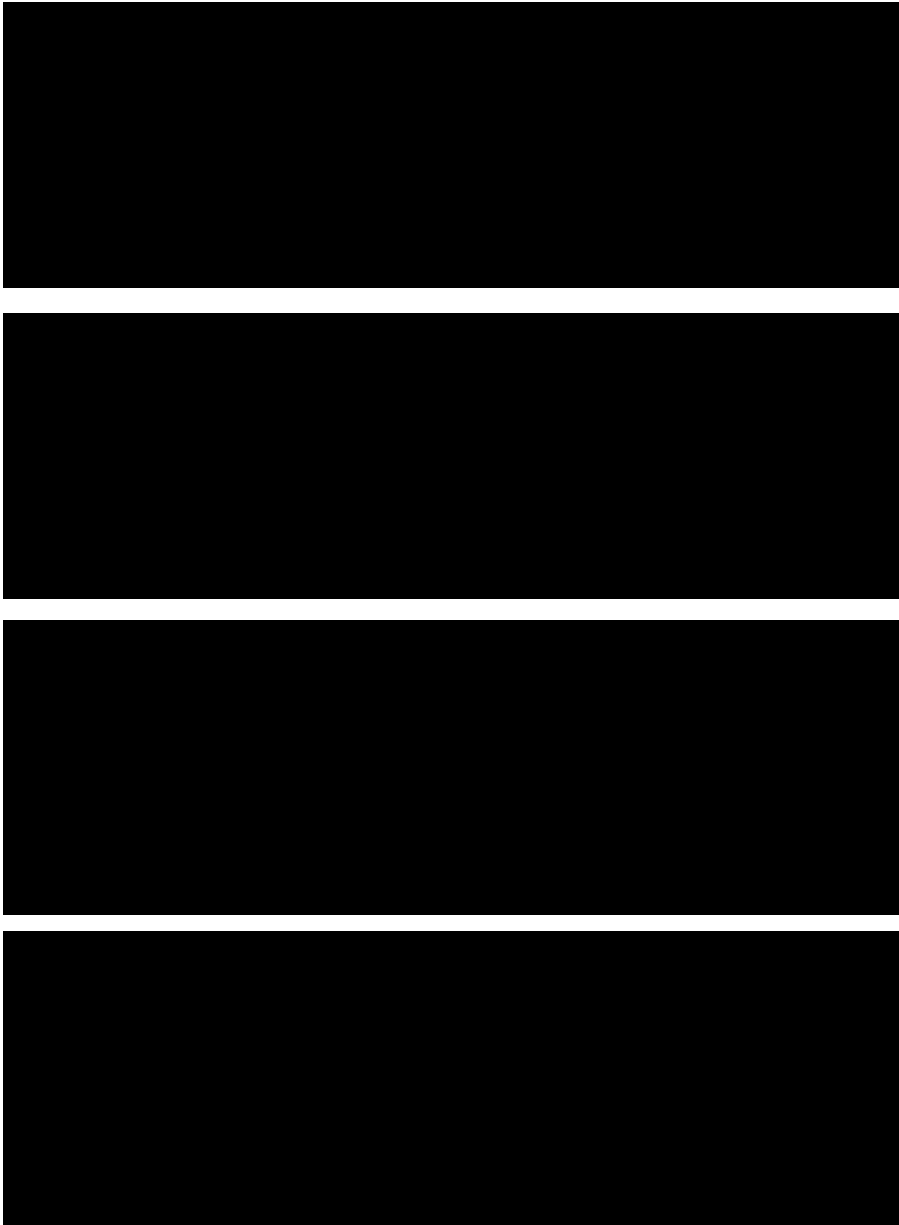
60 Surrender formally

63 ___ appetit!

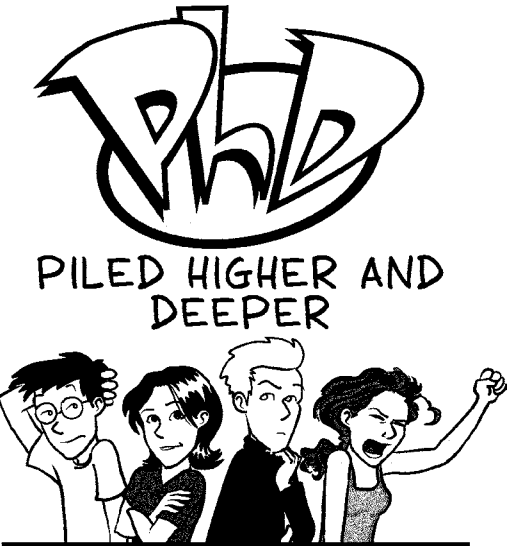
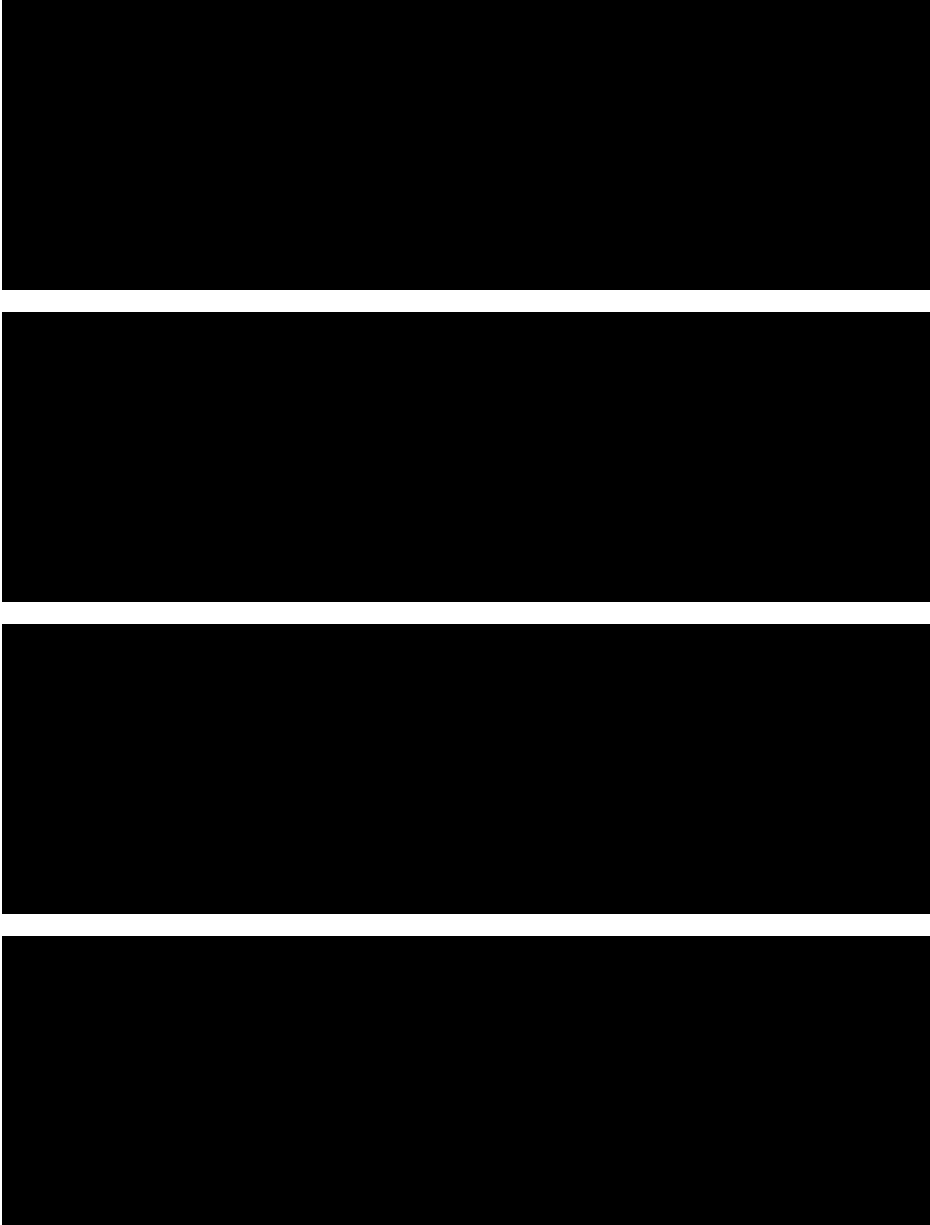
1	2	3	4	5	6	7	8	9	10	11	12	13
14					15				16			
17					18				19			
20					21			22				
23				24		25						
26	27	28		29		30		31			32	33
34			35				36		37			
38			39			40			41			
42					43			44			45	
46				47		48				49		
50					51		52		53			
54	55					56		57			58	59
60												
61					62		63					
64					65				66			
67					68				69			

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Sudoku

Solution, page 15

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.

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

Marilee Jones Now Lives in NYC & Runs Own Consulting Firm

Jones, from Page 1

contact her for advice each month and that most of her work is pro bono, but some customers pay her by the hour.

She is trying to restart her public speaking career and is writing a second book. (Her first one, titled *Less Stress, More Success: A New Approach to Guiding Your Teen Through College Admissions and Beyond*, was published in 2006.)

Jones said she is volunteering at the Columbia Presbyterian Hospital to help young cancer survivors apply to college. “When someone has reached the top of their career, it’s time to give back. I’m in the wise elder era,” she said.

Jones said she is also taking more time to relax these days: Last week,

for example, she visited a friend’s ranch in Montana. “Montana is so beautiful,” she said. “I spent my life as a workaholic. Now I am taking time, appreciating time.”

Jones began working at the MIT admissions office in 1979 and in 1998 became dean of admissions.

She led the admissions office’s efforts to increase the percentage of female undergraduates at MIT, which grew from 28 percent in 1985 to 42 percent in 1996, *The Tech* reported in February 2008.

Jones drew national attention for her attempts to reduce stress in the college application process.

Jones was publicly asked to resign after MIT administrators discovered that her claims to three degrees on her resume from her initial application to MIT were false.

Last-Minute Decision Made H1N1 Vaccines Available to Students

Vaccines, from Page 1

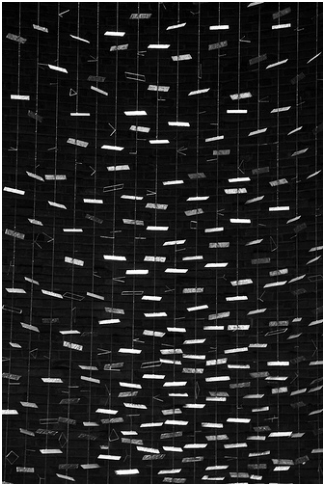
from the Massachusetts state government, but the shipments have been small and have arrived at unexpected times, said Heller. The first shipment of vaccines arrived at MIT Medical a couple of weeks ago, and, this past Friday, the state health department told MIT Medical that a new shipment of vaccines would be arriving on Monday. The shipment prompted the clinic

that happened this week.

MIT Medical follows the Center for Disease Control’s H1N1 vaccination protocol, which gives priority to pregnant women, medical staff and doctors, and young children. According to the MIT Medical website, vaccines are currently available to members of the MIT community who are pregnant. Pregnant women can arrange appointments by calling 617-253-4865.

Reflect
Pray
Meditate

FIND HOPE IN HARD TIMES



Tuesday in the Chapel
8:30-8:50am

FREE Coffee and Donuts
following in W11 Main Dining Room.

Fall 2009 Wulff Lecture

Tuesday, November 17, 2009
4:00–5:00 pm
Room 10-250
Reception immediately following

Nature Inspired Materials Science

Professor Michael F. Rubner
TDK Professor of Materials Science and Engineering
Director, Center for Materials Science and Engineering
MacVicar Faculty Fellow



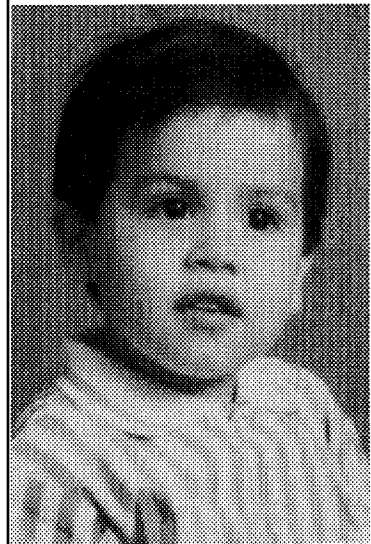
Beetle image courtesy Creative Commons, www.flickr.com/photos/ants_in_my_pants

More and more, materials scientists are looking to nature to find clues to create highly functional materials with exceptional properties. The fog-harvesting capabilities of the Namib Desert beetle, the iridescent colors of the hummingbird, and the super-water-repellant abilities of the lotus leaf are a few examples of the amazing properties found in the natural world. This lecture explores synthetic mimics to the nano- and micro-structures responsible for these properties with many potential applications.

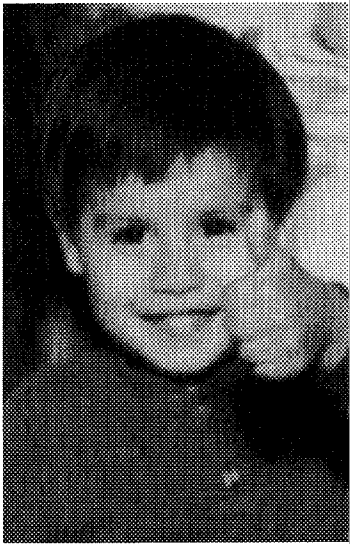
The Wulff Lecture is an introductory, general-audience, entertaining lecture which serves to educate, inspire, and encourage MIT undergraduates to take up study in the field of materials science and engineering and related fields. The entire MIT community, particularly freshmen, is invited to attend. The Wulff Lecture honors the late Professor John Wulff, a skilled, provocative, and entertaining teacher who inaugurated a new approach to teaching the popular freshman subject: 3.091 Introduction to Solid State Chemistry.



2 weeks old, 1989



1 year old, 1991



2 years old, 1992

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Speaker: **Dr. Diana L. Eck,**



Professor of Comparative Religion and
Indian Studies and Director of the Pluralism Project
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America: How a "Christian Country" Has Become
the World's Most Religiously Diverse Nation* (1997);
*Encountering God: A Spiritual Journey
from Bozeman to Banaras* (1993); and
Banaras, City of Light (1982).

Questions: ora@mit.edu
Website: studentlife.mit.edu/rl/addir_fellows



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Eugene Fitzgerald, Professor, MIT DMSE
Helen Greiner, iRobot/The Droid Works
Daphne Zohar, PureTech Ventures
Introductory remarks by MIT President Susan Hockfield

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NASDAQ OMX



Zwane ‘Lived a Life Of Love,’ Says Friend

Zwane, from Page 1

Gathinji said, “and was willing to help members understand Christianity better.”

“I want everyone to know how amazing an individual Kabele was,” said Kwami Williams ’12, a fellow ESG member also advised by Sweet who was in the CCC with Zwane.

“Whenever things seemed wrong and painful, we would sit down and he would always make me laugh. ... He lived a life of love,” Williams said.

Belinda E. Schmolke ’91 interviewed Zwane from Johannesburg by cell phone. After he got in, she hosted him and his family, a few days before he left for the United States.

“This is an interesting student,” she wrote in her interview report, “idealistic, enthusiastic, and once he has warmed up, he was a pleasure to talk to.”

When she talked to him, his dream was to fight poverty with better education systems: “He would go to the source of poverty which in his opinion is the self discipline of the people” by helping people make the best of what they have, she wrote.

Zwane told her that although he had applied to many schools in the U.S., MIT’s academic excellence made it stand out. “He believes that

if he gets accepted, he will struggle, and that it will motivate him to deliver his absolute best,” she wrote in her interview report.

He liked volunteering at an orphanage, where he played with children and got to help guide their development, she wrote.

MIT administrators notified ESG of Zwane’s death on Thursday morning. *The Tech* was not notified by administrators, who referred requests for information to the News Office.

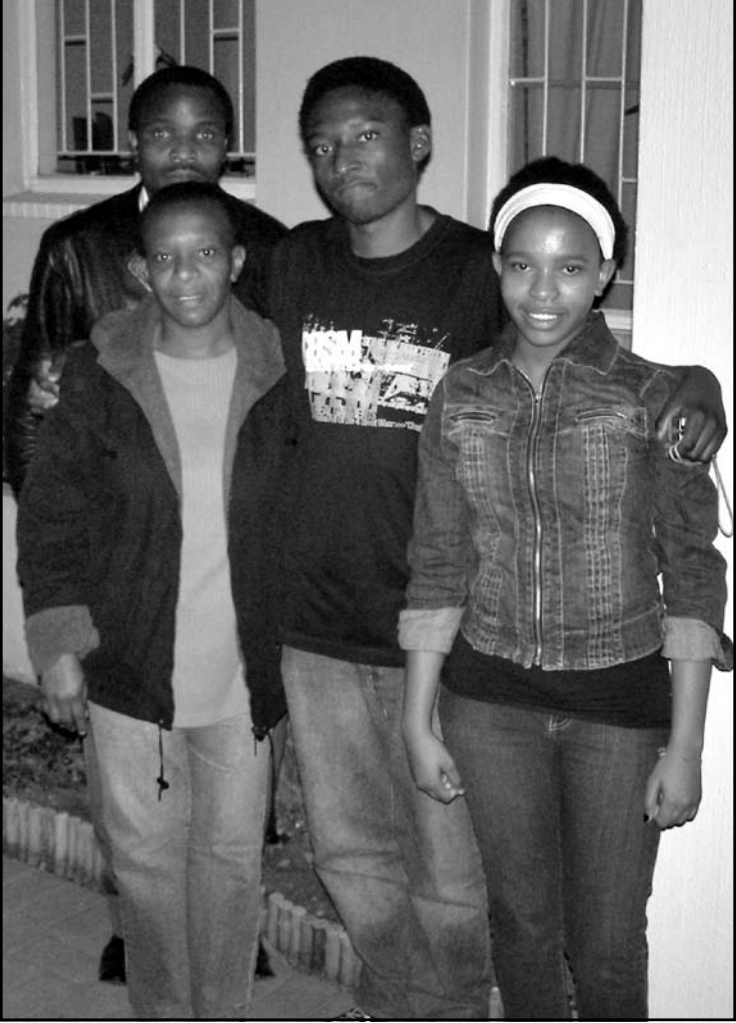
Some MIT students may have learned about the death earlier. On Tuesday at 3:27 a.m., the Facebook status of one of Zwane’s former hall-mates on Fifth East at East Campus became “is upset,” and a friend replied that evening “sorry to hear about that kid.”

“Those who feel affected by the tragedy are encouraged to contact Mental Health Service for assistance at 617-253-2916,” the News Office reported. Walk-in counseling is available weekday in E23 from 2–4 p.m.

Plans for a memorial service have not yet been set.

Sweet, Zwane’s freshman advisor, said that he “wanted to dedicate his life to helping others.”

Biyeun Buczyk, Nick Bushak, John A. Hawkinson, Robert McQueen, and Natasha Plotkin contributed reporting.



Zwane (second from right) and family, during a visit with his MIT Educational Counselor in South Africa before he left for the U.S. in 2008.

ADAM GOLDBERG

MARLEY SHELTON

●

(Untitled)

★★★★☆

- Roger Ebert, CHICAGO SUN-TIMES

“ACUTELY WITTY!”

- Stephen Holden, THE NEW YORK TIMES

“SMART AND FUNNY!”

- Gary Goldstein, LOS ANGELES TIMES

“A COMEDY SURPRISE!”

- Pete Hammond, BOXOFFICE MAGAZINE

“ROUSINGLY FUNNY!”

- Kurt Loder, MTV.COM

R

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Friday, Nov. 20, 2009
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Darwin and the Origin of Species
Prof. John Durant, Director, MIT Museum

Step by Step Evolution of the Eye & Eye Genes
Dr. Graeme Wistow, National Eye Institute

Evolution of the Eye Lens Crystallins
Prof. Jonathan King, Biology Dept.

Patterns in Eye Development
Prof. Constance Cepko,
Harvard Medical School, Genetics Dept.

Rods, Cones and the Retina
Dr. Ishara Mills-Henry, Biology Dept.

Vision and the Brain
Prof. Nancy Kanwisher, Brain & Cognitive Science Dept.

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Solution to Crossword

from page 9

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



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The Beauty of Chinese Calligraphy



Mr. Barry Lam

Chairman, Quanta Group

Barry Lam is the founder and Chairman of Quanta Computer. With over 30 years of experience, Barry is widely hailed as a visionary and has been globally recognized for his accomplishments. In 1999 and 2002, Barry was chosen by Business Week as one of fifty "Stars of Asia". In 2002, he was highlighted in Business Week's list of the top 25 managers of the year for his achievements in leading Quanta in becoming the world's largest notebook producer. Barry continues to play an active role in the company's strategies and visions as well as R&D initiatives.

Tuesday, November 17, 2009
7:00-8:30 PM
32-141 (Stata Building)



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join@the-tech.mit.edu

Bain & Co. Consults About OCW Distance Learning Programs

OpenCourseWare, from Page 1

with more than 90 percent reporting the materials were relevant to their projects, according to evaluation research conducted by the OCW staff.

OCW currently gets the bulk of its funding from grants and Institute funds, according to an article in the September/October faculty newsletter by d'Oliveira and Vice Chancellor Steven R. Lerman '72.

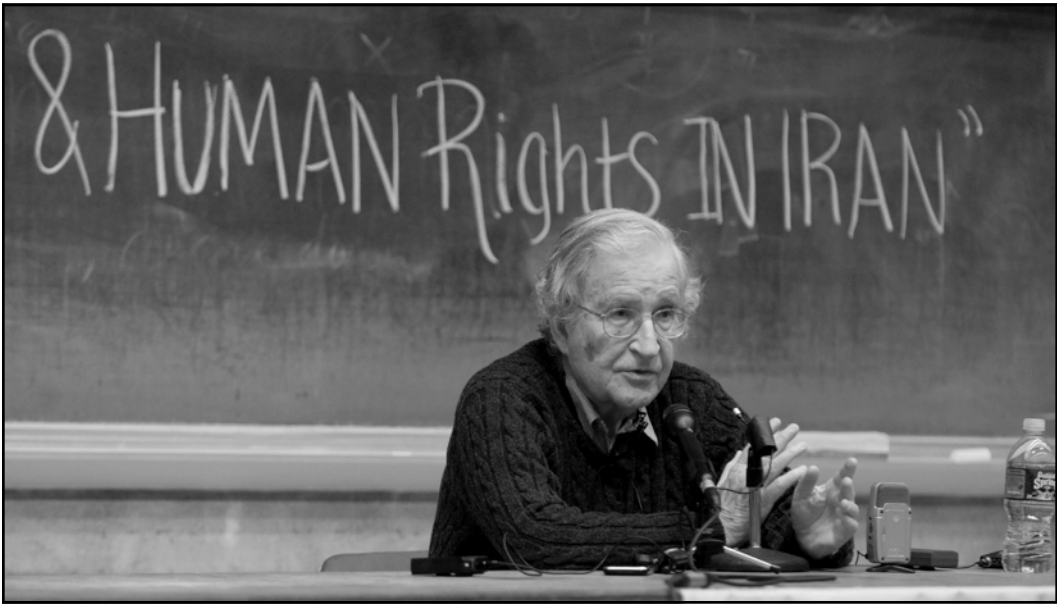
"Key elements of technology savings included taking advantage of free video hosting on YouTube for the expanding collection of highly popular video materials, moving video production in-house, and renegotiating contracts with some of our technology service providers," wrote Lerman and d'Oliveira in the newsletter piece.

OCW is also seeking to increase revenue through fundraising. A new leadership gifts office at MIT's Resource Development Office will work part time on soliciting major gifts for OCW.

And, referral links to Amazon.com from the OCW site have already generated \$30,000.

OCW's online donation program has generated a modest income of about \$150,000, an increase of about 50 percent from the 2008 fiscal year.

In the 2010 fiscal year, OCW will be testing a variety of funding approaches. A "Course Champions" campaign will target "individual donors of \$5,000 per year and a corporate underwriting program in the style of National Public Radio," according to Lerman and d'Oliveira's faculty newsletter article.



ARFA ALIAZI—THE TECH

Linguistics Professor Noam Chomsky lectured on Student Activism and Human Rights in Iran on Tuesday in 26-100 during an event sponsored by MIT Amnesty International.

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Solution to Sudoku
from page 10

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

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Can't sleep?
Can't concentrate?
Can't enjoy life?
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SPORTS

Field Hockey Wins Tournament Debut, Will Face Tufts Saturday

By Greg McKeever
DAPER STAFF

Making the first appearance in the NCAA Division III Tournament in program history, the MIT field hockey team picked up a hard-fought 2-1 decision over Nichols College on Wednesday night. The Engineers opened up a two-goal lead in the first half and withstood a furious, late rally to advance past the host Bison. Kimberly A. Barker '13 and Ekavali Mishra '10 found the scoring column and Keri A. Dixon '11 had another spectacular performance in net to help the Cardinal and Grey earn its 18th win in this record-breaking campaign. Nichols' season comes to an end at 18-4.

MIT began attacking from the opening whistle, outshooting the Bison, 15-3, in the first half while controlling possession for most of the frame. Barker — recently named to the NEWMAC Second Team All-Conference — put MIT on the board early, tipping a shot from Kameron L. Klauber '12 past the Nichols goalkeeper just five minutes into the game. It was her 20th goal of the season.

Nichols threatened midway through the period, with five consecutive penalty corners, but Dixon and the defense withstood each try.

Danielle C. Smith '11 nearly doubled the lead with 11:43 remaining but Nichols keeper tipped her shot wide, thwarting the scoring opportunity. However, after the Engineers earned a penalty corner of their own five minutes later, one of nine in the first half, they finally broke through for a second tally. Mishra entered the ball on the corner and, following a scramble at the top of the circle, received it back from Molly E. McShane '13, pushing it home for the 2-0 advantage.

Nichols would not go quietly, getting an unassisted marker from Barbara Roy just over seven minutes into the second half. Dixon made a pair of saves on the initial attack but MIT was unable to clear the rebound and Roy was there to convert.

Neither team was able to generate much offensive momentum until the final minute, when Nichols had a pair of chances to tie the game. The Bison earned a penalty corner with 45 seconds to go but Dixon, once again, picked up a key save to

preserve the one-goal lead. As the clock ticked down, the teams battled in MIT's defensive zone. Tech had a few opportunities to clear the ball and clinch the win but was unable to get it downfield. As the clock hit zero, the Engineers' bench erupted thinking they had advanced. However, the referees awarded the Bison one final corner with no time remaining. The defense stood, once again, just as it had done all game, and sent the Cardinal and Grey into the Second Round.

Dixon made 10 saves, including seven in the second half. The junior has now given up just five total goals in the last nine games, all MIT wins. The nine-game winning streak is also program record. Forand had 10 saves in the losing effort. MIT outshot the Bison, 22-12, and had a 14-13 advantage in corners.

The Engineers now move on to the next round of the Championship, earning a date on Saturday, November 14 with Tufts University. MIT will make the short trip to Medford, Mass. for an 11:00 a.m. start Saturday morning. Skidmore and Amherst will play in the other game Saturday, with the winners facing off on Sunday.



MENG HENG TOUCH—THE TECH

Charlie D. Field '10 (left) and skipper Leigh C. Casadaban '10 helped MIT place third out of 16 at the Crews Regatta Sunday on the Charles River.

UPCOMING HOME EVENTS

Saturday, November 14, 2009

Women's Crew — Foot of the Charles

9:45 a.m., Charles River

LEGAL COUNSEL

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

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Hernley Named Women's Soccer Player of the Year

NEWMAC announced its 2009 women's soccer post-season awards on Tuesday. Lauren R. Hernley '11 received accolades as NEWMAC Women's Soccer Player of the Year, and the Engineers picked up five awards total.

Sports Shorts

As co-captain, Hernley started every match of MIT's 12-5-2 season while leading the team in assists. Last weekend, she helped MIT to clinch its first NEWMAC tournament championship and NCAA National Championship Tournament berth.

Hernley also received her second All-Conference honors with selection to this year's First-Team. Joining her on the First-Team was Emily Kuo '13. Senior co-captain Kathryn A. Pesce '10 was awarded Second-Team honor, along with Alisha D. Lussiez '12.

—Paul Blascovich, DAPER Staff

Women's Volleyball Collects NEWMAC Awards

For the second year in a row, the MIT women's volleyball team received four conference honors from NEWMAC on Tuesday.

Alexandra T. May '10 and Barden E. Cleeland '10

collected All-Conference First-Team accolades while Jennifer Li '11 and Alyssa L. Rothman '13, both first-time honorees, represented the Cardinal and Gray on the Second Team.

May picked up her second straight First-Team nod while leading the Engineers' attack with 409 kills to go along with 300 digs and 64 blocks. Cleeland, a Second-Team pick last year, posted a team-high 106 blocks in addition to 262 kills, a .300 hitting percentage, and 44 aces.

—Mindy Brauer, DAPER Staff

Silva Earns NEWMAC Coach of the Year Honors

After helping MIT capture its first ever NEWMAC Field Hockey Tournament Championship on Sunday, Cheryl Silva was named the conference's Coach of the Year. In addition to Silva's accolades, four Engineers were named to the All-Conference Team. Keri A. Dixon '11, Molly E. McShane '13, and Anna H. Teruya '12 picked up First Team plaudits while Kimberly A. Barker '13 made the Second Team.

This is the second Coach of the Year honor for Silva, who helped the Cardinal and Grey capture the NEWMAC Championship for the first time in the league's 12 year history. She also received the award in 1994. Under Silva's guidance, MIT has already set a new program record with 17 wins this year.

—Greg McKeever, DAPER Staff



COREY J. KUBBER

Senior captains Alexandra T. May and Barden E. Cleeland leap to block a spike by U.S. Coast Guard Academy's Nicole Johnson in the NEWMAC women's volleyball semi-finals last Friday at Rockwell Cage. The seniors each finished the match with 3 blocks, contributing to the Engineers' 25-19, 25-20, 25-21 victory. On Saturday, the Engineers lost in the NEWMAC Championship match to Wellesley College, leaving MIT as the runner-up for the second time in three years.