

Future of New Dorm Uncertain



ALEX H. CHAN—THE TECH

The new Ashdown House, NW35, is scheduled for completion in August 2008. Plans for the old Ashdown, W1, are still not finalized.

By Kimberly McManus

Construction for the new graduate residence NW35 has remained on budget since its \$11.5 million overrun in February 2007 and is slated to finish in August 2008. Meanwhile, few plans for the old Ashdown House, W1, have been finalized.

All the NW35 buildings are scheduled to be enclosed by the end of this year, with the aluminum exterior of one of the buildings almost complete, Director of Housing Dennis Collins said. Windows have been installed in these spaces, while contractors are still working on interior wall studing, rough wiring, and plumbing.

Furnishings for the interior are still being decided by current residents of Ashdown, who are living in W1. Housing officials displayed several furniture options in W1 for residents to choose from, Collins said.

The future of W1 is "still in its planning phase," said Theresa M. Stone, executive vice president and treasurer of the Institute, though it is slated to open in August 2008 as an undergraduate dormitory with capacity for about 400 residents. Although the Department of Facilities recently finished an analysis of the current building infrastructure, the scope of the renovations and construction timeline have yet to be determined, Collins said. In addition, funding has not been secured. Collins said that a detailed plan for W1 will hopefully be reached within the next 30 days. The new housemasters will be Suzanne Flynn, professor of linguistics and philosophy, and Jack Carroll of the Office of the Dean for Student Life, Collins said.

Two Nobel Prize Winners MIT-Affiliated

By Arkajit Dey
STAFF REPORTER

Former MIT economics professor Eric S. Maskin and former graduate student Mario R. Capecchi were among the recipients of the Nobel Prizes in Economics and Medicine this year, respectively.

Maskin taught at MIT from 1977 to 1984 and returned as a visiting professor from 1999 to 2000. He is currently at Princeton University's Institute for Advanced Study.

Maskin shared the prize with Leonid Hurwicz and Roger B. Myerson "for having laid the foundations of mechanism design theory," according to the Foundation's Web site, which explains that the theory models collective decision-making

in the allocation of resources. One of the applications of his research has been in the auction-style sale of government assets to the private sector, Maskin said in an interview with the Foundation. His work has influenced areas outside of economics such as regulation, corporate finance, and the theory of taxation, according to material on the Web site.

Capecchi came to MIT as a graduate student intending to study physics and mathematics, *The Belfast Telegraph* reported. While at MIT, he became interested in molecular biology and subsequently transferred to Harvard to join the lab of James D. Watson, co-discoverer of the structure of DNA with Francis Crick. In his interview with the foundation,

Capecchi called Watson "a fantastic mentor."

Capecchi shared the prize in Medicine with Sir Martin J. Evans and Oliver Smithies "for their discoveries of principles for introducing specific gene modifications in mice by the use of embryonic stem cells." Gene targeting has made genetically-modified mice an indispensable part of an experimenter's toolkit, according to the Foundation's Web site. It "allows scientists to create mice with mutations in any desired gene," enabling them to evaluate "the function of any gene," according to Capecchi's lab Web site.

More information on the prize-winners can be found at http://nobelprize.org/nobel_prizes/.

Walter Shepherd Owen, 87

MIT NEWS OFFICE

Walter S. Owen, professor emeritus of physical metallurgy at MIT, died Wednesday, Oct. 10 at Massachusetts General Hospital. He was 87.

Owen joined MIT as head of what was to become the Department of Materials Science and Engineering; during his tenure as department head from 1973 to 1982, the department broadened its academic and research focus from metallurgy to include ceramics, polymers, and semiconductors. Controversial at the time, this change created a department that today produces groundbreaking work on lower-emission iron production, rechargeable batteries and lasers used in minimally invasive surgical procedures.

He received the Bachelor of Engineering in metallurgy (1940), the MEng (1942), and the PhD in metallurgy (1950), all from the University of Liverpool. In 1951, he became a

Commonwealth Fund fellow at MIT, where he served as a member of the research staff from 1954 to 1957. Over the course of his career, he held both academic and administrative positions at several universities, including the University of Liverpool, where he was dean of Faculty of Engineering Science, Cornell University, where he directed the Department of Materials Science and Engineering, and Northwestern University, where he was dean of the Technological Institute and vice president for science and research.

He was deeply committed to the education of materials scientists and engineers and to furthering the evolution and development of the field of materials science and engineering, particularly in the areas of conservation, recycling, environmental concerns, public policy, and materials availability.

He is survived by his wife Geraldine Owen; his daughter Ruth Owen

and her husband Peter Sherman and her children Owen and Dylan Uscher; his stepson Oren Lieberman and his wife Tanya Mergler and their children Mattis Lieberman, Nitzan Lieberman, and Tyler Moore; and his stepdaughter Helise Lieberman and her husband Yale Reisner.

A memorial service will be held at 5:30 p.m. on Nov. 15 in the MIT Chapel. By request of the family, in lieu of flowers, gifts may be made in Professor Owen's memory to MIT for scholarships.

In Short

¶ **Cambridge Voter Registration** ends tomorrow. Election Day is Tuesday, Nov. 6. See <http://vote.rwinters.com> for candidate information.

¶ **Faculty meeting tomorrow** at 3:30 p.m. in 32-141, with an update from the Undergraduate Educational Commons task force.

Postol Speaks Against U.S. Characterization Of Missile Defense Site

By Nick Semenkovich
NEWS EDITOR

Professor Theodore A. Postol '67, a well-known critic of missile-defense systems, has accused the U.S. of mischaracterizing missile defense capabilities in ongoing discussions with Russia.

The U.S. Missile Defense Agency has been working to install a missile-defense site in Turkey. The MDA's Web site states that the defense site would "ensure common security" by providing protection from intermediate-range Iranian ballistic missiles and long-range North Korean missiles. The proposal, known as the European Capability Initiative, has been stalled by Russia due to Russia's security concerns. Although the MDA claims that the European Capability Initiative would be unable to intercept these missiles, Russian officials are skeptical and opposed to the site. To delay the site, Russia has threatened to target some of their nuclear warheads to European cities and withdraw from a cold war treaty banning mid-range nuclear weapons.

Postol, a professor in the Science, Technology, and Society program at MIT, says that the U.S. claim that the European Capability Initiative cannot intercept Russian missiles is incorrect. Postol discussed his research at an Aug. 28 Capitol Hill briefing through the American Association for the Advancement of Science. In his presentation, "Postol said that the MDA has overstated the speed of Russian ICBMs by 15% and underestimated the speed of proposed new U.S. interceptor missiles by 30%," according to an AAAS press release from Monday, Sept. 24.

The MDA posted a response to Postol's criticisms on its Web site on Thursday, Sept. 27. The agency "stands by its figures which are real, not hypothetical and are derived from actual hardware and software performance data from actual flight tests." The response goes on to state that "Dr. Postol's calculations are overly optimistic and do not accurately reflect detection, tracking and fire control solution times; acceleration profiles from our flight tests, with actual payload weights and propellant performance;

minimum delta velocities required to destroy the targets; and what we know about Russian Intercontinental Ballistic Missiles (ICBMs)."

Postol was also skeptical of the necessity of a European missile-defense site. "There appears to be no credible technical reason that the stated U.S. objective to defend against ... Iranian ICBMs could not be fulfilled by other types of deployment configurations," said Postol, according to the AAAS press release. "It is therefore understandable that Russian military analysts might suspect that U.S. motivations are different from those that have been stated," said Postol.

The U.S. has made little progress in persuading Russia otherwise, according to reporting on Sunday, Oct. 13 from *The New York Times*.

Postol is no stranger to controversy or to the field of missile defense.

In 1992, Postol made headlines during Operation Desert Storm when he criticized the Army's Patriot Missile program. The Army claimed that the missiles were very successful at intercepting Iraqi missiles, and revolutionized parts of warfare. Postol's analysis and subsequent testimony in front of a US House committee showed that the Patriot missiles were actually extremely inaccurate, hitting their targets less than 10 percent of the time.

In 2000, Postol was the center of a controversy involving national missile defense, when he was provided with a copy of a redacted report discussing the effectiveness of a missile sensor. According to Postol's interpretation, the reports indicated that MIT and the Lincoln Laboratory were conducting fraudulent research and exaggerating the capabilities of a missile sensor. A long debate followed Postol's accusations, during which the military restricted some MIT attempts to investigate the accusations, and Postol accused the military of covering up research fraud. The accusations culminated in an investigation by the Department of Defense (excluding MIT for security reasons) that determined there was no research fraud.

For more information, visit *The Tech's* archives, at <http://www-tech.mit.edu/V127/N15/dodreport.html>.



ANDREA ROBLES—THE TECH

Sheilla Gill, mother of Amreeta K. Gill '09, speaks with MIT President Susan Hockfield after the President's Welcome on Saturday.

WORLD & NATION

Communist Party Congress Opens in China

By Joseph Kahn

THE NEW YORK TIMES

BEIJING

Chinese President Hu Jintao promised to address social fissures, a degraded environment and rampant corruption during his second term as China's top leader, but he all but ruled out more than cosmetic political reform in his opening address on Monday at the ruling Communist Party's 17th National Congress.

Hu spoke extensively about his "scientific view of development," a set of lofty, vague principles supporting harmonious economic, social and political development.

The congress will enshrine the phrase "scientific view of development" into the party's constitution alongside the political slogans of Mao, Deng Xiaoping, and Jiang Zemin, elevating Hu into the pantheon of leaders as he begins the second and final term as party general secretary, head of state and military chief.

This speech kicked off the week-long event held once every five years to extol past leaders and welcome a roster of younger officials newly elevated to leadership roles. Party members have described the succession contest, conducted in secret, as fractious. But the congress proceedings, which are purely ceremonial, present a facade of seamless unity and continuity.

Putin Confirms Trip to Iran Despite Reported Threat

By Judy Dempsey

THE NEW YORK TIMES

WIESBADEN, GERMANY

President Vladimir V. Putin of Russia said Monday he would travel to Tehran for a meeting of Caspian Sea nations despite a report by a Russian news agency of a possible assassination plot against him there that was immediately dismissed by Iran.

During a news conference following talks here with Chancellor Angela Merkel of Germany, Putin said he would go ahead with the trip to Tehran on Tuesday, on a visit that is also likely to focus on Iran's disputed nuclear program.

"Of course I am going to Iran," he said. "If I always listened to all the various threats and the recommendations of the special services I would never leave home."

A spokesman for Iran's Foreign Ministry, Mohammad Ali Hosseini, dismissed the assassination report as disinformation spread by those wanting to spoil Russian-Iranian relations. "Such kinds of false news will not have any impact on the plans that we have for Putin's visit," Hosseini said in a news conference on Monday.

U.N. Envoy Says Myanmar Must Halt Arrests

By Seth Mydans

THE NEW YORK TIMES

BANGKOK, THAILAND

A U.N. envoy said here Monday that arrests in Myanmar "must stop at once" and that the international community must do more to curb repression by the ruling junta.

The envoy, Ibrahim Gambari, had arrived in Bangkok on Sunday to begin a six-country consultation tour of Asia before heading to Myanmar to resume talks with the government that began early this month.

"We could do more, not just Thailand," he said. "India, China, Indonesia, Malaysia and the United Nations, we could do more." But it was not clear what more he — or the international community — could do to influence the behavior of a junta that appears not to care what the world thinks. It has isolated itself by choice for the past half century and has managed quite well with the help of a few self-interested friends.

After the junta suppressed huge pro-democracy demonstrations by force at the end of last month, the United States announced new sanctions against it, but that action seemed only to underscore the limits of outside influence.

Citigroup's Dramatic Profit Decline Surprises Chairman

By Eric Dash

THE NEW YORK TIMES

Citigroup, the global banking giant, said Monday that third-quarter profit dropped 57 percent after it faced heavy blows to its fixed-income and consumer businesses.

The Citigroup results reflected a roughly \$5.9 billion write-off that the company announced earlier this month after it was forced to recognize losses from deteriorating securities prices and bad trading bets. Included is a \$2.24 billion increase in the money it set aside to cover souring mortgages and consumer loans.

Citigroup's revenue increased 6 percent, to 22.7 billion, but failed to outpace a 22 percent increase in expenses. Net income fell to \$2.38 billion, or 47 cents a share, compared with \$5.51 billion, or \$1.10 a share, a year earlier.

"This quarter was well below our expectations and frankly surprising," said Charles O. Prince III, Citigroup's chairman and chief executive, on a lengthy conference call with analysts and investors. "We are working hard on improving these areas."

But unlike a similar statement he made two weeks ago, Prince stopped

short of suggesting that he expected earnings to stabilize in the fourth quarter.

While no financial institution was expected to escape damage from this summer's credit storm and slowdown in the housing market, Citigroup was particularly hard hit.

The heavy losses and frequent disappointing quarters have raised questions about Citigroup's diversified business model, growth strategy and risk management practices. Citigroup's share price on Monday hovered around \$46.50, about the same place where it was trading when Prince took over the company four years ago. And despite strong support from Citigroup's board and biggest shareholder, the problems in the quarter have raised doubts about his ability to manage the sprawling enterprise.

In the last two weeks, Prince has made significant changes as the bank has come under criticism. On Thursday, he announced a major overhaul to the structure and leadership of the investment bank, bringing the alternative investment unit into the division and installed Vikram S. Pandit as its leader. He also named new heads

of its capital markets division and fixed-income trading group, which had performed well until the recent quarter. Meanwhile, it is upgrading its risk management systems.

Despite the recent turbulence, Prince said that Citigroup's board was content with the strategy and management. "The board feels comfortable at the levels where we made the changes," he said.

Citigroup's overall investment banking revenue fell 24 percent. Most of the losses stemmed from its domestic fixed-income trading businesses and large book of leveraged loans.

The bank took write-downs of \$1.35 billion pretax on the value of funded and unfunded leveraged loans as the market has dried up. It absorbed losses \$1.58 billion as prices of subprime mortgage securities deteriorated. And it realized losses of \$636 million in trading losses amid turmoil in the credit markets this summer, though executives say it would have suffered even without the turbulence. All those areas contributed to an 87 percent drop in domestic investment banking revenue.

Turkey Seeks Approval to Raid Iraq to Pursue Kurdish Rebels

By Alissa J. Rubin

THE NEW YORK TIMES

BAGHDAD

Tensions mounted along the Iraqi-Turkish border on Monday as the Turkish government sought parliamentary approval for military raids into northern Iraq. The vote in Parliament would permit Turkish armed forces to cross the border in pursuit of Kurdish rebels who launch attacks into Turkey from Iraqi Kurdistan.

The rebels, members of the Kurdistan Workers' Party, known as the PKK, have taken refuge in mountain redoubts on the Iraqi side of the border. They are separatists who want an autonomous Kurdish region in the far eastern part of Turkey.

The Iraqi government urged Turkey on Monday to seek a diplomatic solution. Prime Minister Nouri Kamal al-Maliki called for his top advisers to meet Tuesday to discuss

the developments. He also called on Turkey to allow more time for a security committee made up of Iraqis, Turks and Americans to work toward a solution.

The Iraqi government will look at every possible way to solve the crisis with Turkey, Maliki said in a statement.

"We will never accept a military solution to the differences between Turkey and Iraq," he said, adding that he was committed to stopping the PKK attacks.

"With our understanding of the worries of the Turkish friends, we are ready to undertake urgent negotiations with senior Turkish officials to discuss all points of disagreement," he said.

The two countries signed a security agreement last month to work together to combat violence by the PKK, which is considered a terror-

ist organization by the U.S. and the European Union. But the accords specifically denied Turkey the right to cross into Iraq, even in cases of "hot pursuit."

Kurds in northern Iraq have been generally sympathetic to the separatist aspirations of the rebels and unmoved by pleas from the central government to restrain them.

The Turkish Parliament is expected to vote Wednesday and approve the motion, which would authorize the Turkish military to make as many entries across the Iraqi border as necessary for one year. The raids would be aimed solely at the PKK, said a government spokesman, Cemil Cicek, in a televised news conference.

The authorization request for raids was prompted by intensified PKK attacks in recent weeks, including the deadliest day in the conflict in recent months.

WEATHER

Sunny Skies and Fall Foliage

By Cegeon J. Chan

STAFF METEOROLOGIST

Will today's sunny skies help produce intense colors for the autumn leaves? Or is it the cold temperatures and the soil moisture that matter? While there is still some debate in the scientific community on the exact details, it seems to be a combination of the three. Cool temperatures (but not below freezing) and lots of sunlight in the preceding weeks help to kill the chlorophyll and setup the formation of anthocyanins, which create the sharp red and purplish colors our eyes are accustomed to seeing. Obviously, plenty of soil moisture will keep the tree "healthy" and help it hold onto its leaves. So with our somewhat rainy summer, sunny Septembers (climatologically the sunniest month of the year for Boston) and a rapid transition to cooler temperatures, the color intensity of our autumn leaves is one of the best in the world.

While the foliage for northern New England has passed its peak, the surrounding Boston area is only at about 15-40 percent peak, according to the Massachusetts Office of Travel and Tourism. They expect the peak to occur sometime next week. Meanwhile, we have a high pressure to our west. So even though cloudy conditions will dominate the latter half of the week, the high pressure will keep us relatively cloud-free for the next 24-30 hours. So, anthocyanins up while you can!

Extended Forecast

Today: Sunny. North winds 5 to 10 mph. High 61°F (16°C).

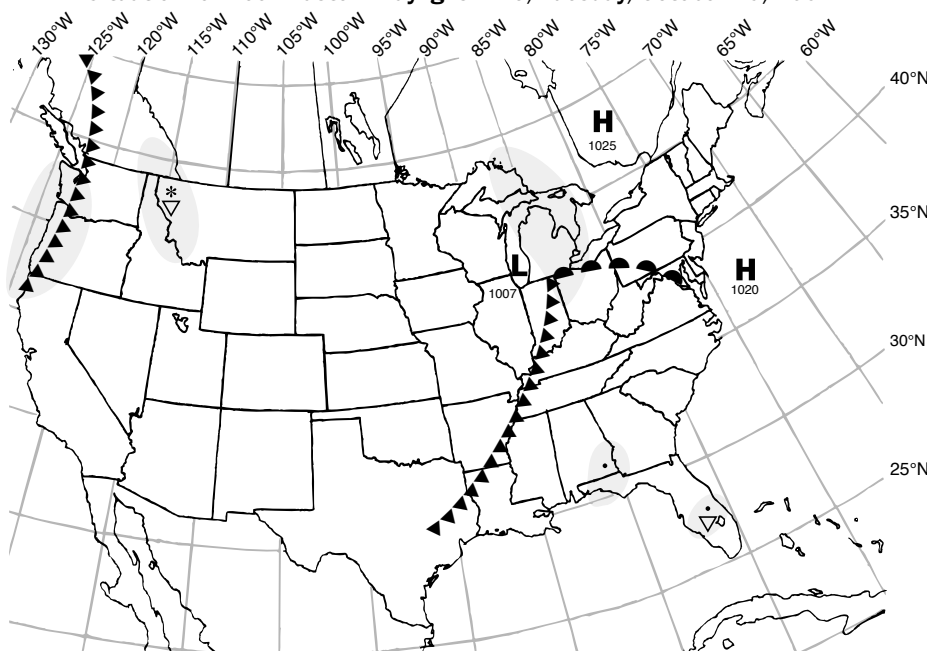
Tonight: Clear. West winds 5 to 10 mph. Low 41°F (5°C).

Tomorrow: Sunny. High 64°F (18°C).

Tomorrow night: Mostly cloudy. Low 50°F (10°C).

Thursday: Mostly cloudy. A chance of showers in the afternoon. High 64°F (18°C).

Situation for Noon Eastern Daylight Time, Tuesday, October 16, 2007



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

Compiled by MIT
Meteorology Staff
and The Tech

Cuban Immigrants Go Through Mexico, Avoid U.S. Coast Guard

By Marc Lacey
THE NEW YORK TIMES

Cubans are migrating to the United States in the greatest numbers in over a decade, and for most of them the new way to get north is first to head west — to Mexico — in a convoluted route that avoids the U.S. Coast Guard.

American officials say the migration, which has grown into a multimillion-dollar-a-year smuggling enterprise, has risen sharply because many Cubans have lost hope that Raul Castro, who took over as president from his brother Fidel in 2006, will make changes that will improve their lives. Cuban authorities contend that the migration is more economic than political and is fueled by Washington's policy of rewarding Cubans who enter the United States illegally.

In fact, unlike Mexicans, Central Americans and others heading to the southwestern border of the United States, the Cubans do not have to sneak across. They just walk right up to U.S. authorities at the border, benefiting from lax Mexican enforcement and relying on Washington's "wet foot, dry foot" policy, which gives them the ability to become permanent residents if they can reach U.S. soil.

That is what Jose Luis Savater, 45, a refrigerator repairman from Havana, did in early October to reach south Florida, which remains the goal for most migrating Cubans.

It took Savater almost four days to reach Isla Mujeres, Mexico, a coastal island, in a rickety boat made of wood, fiberglass and aluminum and powered by a jury-rigged motor used for irrigat-

ing fields. The 15 men and one woman with him took turns bailing.

"It's extremely dangerous," Savater recounted by telephone from Cancun. "I saw myself dead. I suffered a lot."

But his next step was far easier: a flight to Matamoros, a border town just across from Brownsville, Texas, with the help of money wired from relatives in South Florida. Some American officials are calling this new approach — Cubans' strolling up to desert border stations and seeking political asylum — dusty foot.

Statistics make it clear that Cubans now believe that although it is considerably longer, the route through Mexico from the tiny bayside village of Cortes and other new launching spots on the western side of Cuba increases their odds of reaching Miami.

No Child Left Behind Law Up for Renewal, Prescribing Harsh Rules

By Diana Jean Schemo
THE NEW YORK TIMES

LOS ANGELES

As the director of high schools in the gang-infested neighborhoods of East Los Angeles, Guadalupe Paramo struggles every day with educational dysfunction.

For the past half-dozen years, not even one in five students at her district's teeming high schools has been able to do grade-level math or English. At Lincoln High this year, only seven in 100 students could. At Woodrow Wilson High, only four in 100 could.

For chronically failing schools like these, the No Child Left Behind law up for renewal in Congress prescribes drastic measures: firing teachers and principals, shutting schools and turning them over to a private company, a charter operator or the state itself, or a major overhaul in governance.

But more than 1,000 of California's 9,500 schools are branded chronic failures and the numbers are growing. Barring revisions in the law, state officials predict that all 6,063 public schools serving poor students will be declared in need of restructuring by 2014, when the law requires universal proficiency in math and reading.

"What are we supposed to do?" asks Paramo. "Shut down every school?"

With the education law in its fifth year — the one in which its more severe penalties are supposed to come into wide play — California is not the only state overwhelmed by growing numbers of schools that can't satisfy the law's escalating demands.

In Florida, 441 schools could be candidates for closure. In Maryland, some 49 schools in Baltimore alone have fallen short of achievement targets for five years or more. In New York, 77 schools were candidates for restructuring as of last year.

Some districts, like New York City, have moved aggressively to shut large, failing high schools and break them into small schools. Los Angeles, too, is trying small schools, along with other innovations, and David L. Brewer III, its schools superintendent, has just announced plans to create a "high priority district" under his direct control made up of 40 problem schools.

Yet so far, education experts say they are unaware of a single state that has taken over a failing school in response to the law. Instead, most allow school districts to seek less drastic ways to improve.

"When you have a state like California with so many schools up for restructuring, that taxes the capacity of the whole school change industry," said Heinrich Mintrop, an education professor at the University of California, Berkeley.

As a result, the law is branding numerous schools as failing, but not producing radical change — leaving angry parents demanding redress. California citizen's groups have sued the state and federal government for

failing to deliver on the law's promises.

"They're so busy fighting No Child Left Behind," said Mary Johnson, president of Parent U-Turn, a civic group.

Orange Revolution Parties Will Share Power in Ukraine

By Clifford J. Levy

THE NEW YORK TIMES

MOSCOW

The two pro-Western political parties in Ukraine that united in triumph in the Orange Revolution of 2004, but then quarreled and lost control of Parliament, reached a coalition agreement on Monday to retake power.

Hours after the official results of last month's parliamentary balloting were announced, the two parties declared they had enough votes to ensure that Yulia V. Tymoshenko, the former prime minister, would again assume the post with the backing of her sometime ally and rival, President Viktor A. Yushchenko.

Tymoshenko, who has vowed to move Ukraine closer to the European Union and further from Moscow's orbit, seemed to acknowledge on Monday that her earlier, brief tenure as prime minister had been troubled.

Doctors Warned of Defibrillator's Faulty Wire

By Barnaby J. Feder

THE NEW YORK TIMES

The nation's largest maker of implanted heart devices, Medtronic, said Sunday that it was urging doctors to stop using a crucial component because it was prone to a defect that has apparently been linked to five deaths and has malfunctioned in hundreds of patients.

The faulty component is an electrical "lead," or a wire that connects the heart to a defibrillator, a device that shocks faltering hearts back into normal rhythm. The company is urging all of the roughly 235,000 patients with the lead, known as the Sprint Fidelis, to see their doctors to make sure it has not developed a fracture that can cause the device to misread heart-rhythm data.

Such a malfunction can cause the device to either deliver an unnecessary electrical jolt or fail to provide a life-saving one to a patient in need. In most cases, the defibrillators can be reprogrammed without surgery to minimize the likelihood of faulty shocks.

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34-101

Pizza provided at 6:30, presentation begins at 7. Q&A with various GE businesses following.



imagination at work



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Institute Wisdom Watch

By *The Tech* Editorial Board



MIT announces new hacking guidelines and policy; Committee on Discipline to hear all future hacking cases. It remains to be seen if the policy will support students or vilify them.



RIAA sends 30 additional pre-litigation letters to MIT students. Apparently, they've found a way to profit from stolen music.



President Susan Hockfield holds State of the Institute forum. While added communication is a step in the right direction, next time, give us the full picture.



Alum gives \$100 million for construction of new cancer research center. Thank you, David H. Koch.



Associate Provosts for Faculty Equity finally named a year after the position was created. Where was this 10 months ago during the Sherley debacle?



LaVerde's Market now open 24 hours. Now 6,170 students, pre-meds, and reading room lovers will no longer go hungry!



Record voter turnout in fall UA elections. Unfortunately, the highest voter participation was at Bexley Hall, where students elected Naked Abe Lincoln.



MIT can only claim distant relations to any of the 2007 Nobel Prize winners. After this and our U.S. News rankings drop, how are we going to attract new students?

Letters To The Editor

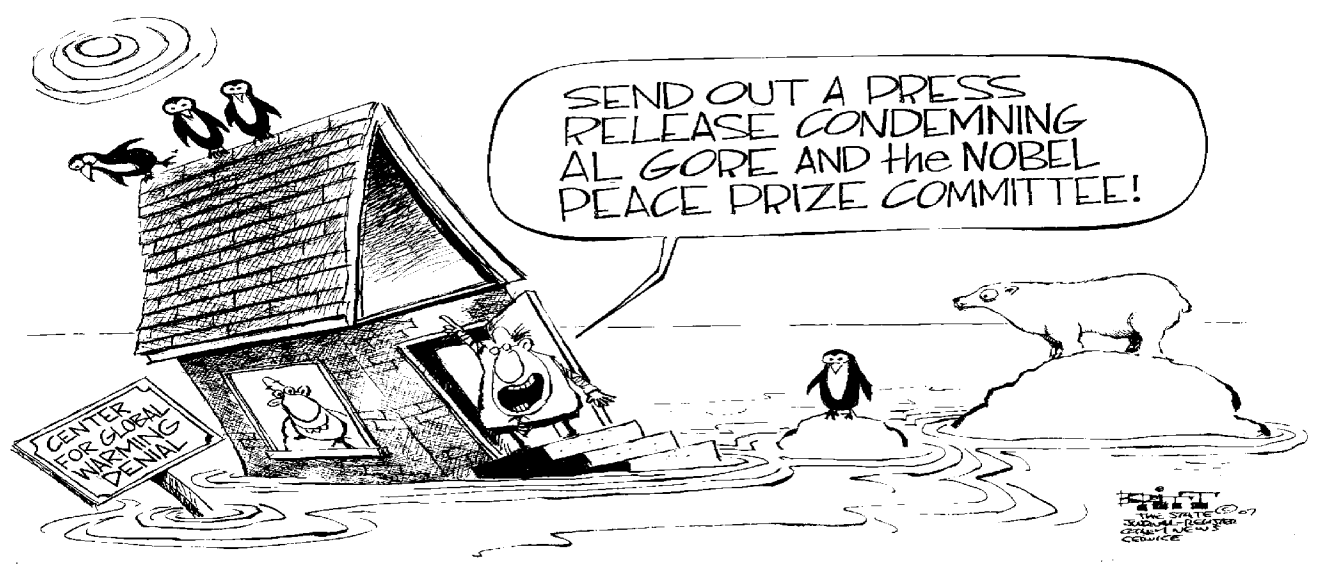
Torre on Decline

As a die-hard Yankees fan, I feel the need to object to the sentiments espoused in the recent article about the firing of Joe Torre ("Torre's Tenure in NY Should Not Hinge on One Division Series," Oct. 12, 2007). Yankee fans demand a level of performance that other fans may not be accustomed to. For some

teams, fans just want a winning season, or to beat their division rivals, or to find some way of not letting a perfectly good season fall apart (like the Yankees' cross-town friends, the Mets). Yankee fans want a World Series title, though some years we'll settle for a pennant. We don't expect one every year, but with such a dominant lineup, getting kicked out of the playoffs in the first round again and again, and

losing the way we have, merits the dismissal of the manager. We're not fickle fans; I love Joe, but he's lost his touch with the team. They just aren't working the way they did back in the late '90s; he is not even managing the way he did then. Joe's been on the decline for a while, and this was just the straw that broke Steinbrenner's back.

Waciuma W. Maina '10



Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Michael McGraw-Herdeg, Editor in Chief Angeline Wang, Managing Editor Austin Chu, Opinion Editor Aditya Kohli, and Contributing Editor Rosa Cao.

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

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

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

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

To Reach Us

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Anti-Americanism in the New Century

Ali S. Wyne

None of the presidential candidates have answered a fundamental question: how can the United States rehabilitate its reputation in the world? It is not, admittedly, a new question. It gains added urgency, however, because the barrier between resentment of American power and resentment of American people is breaking down for the first time in our nation's history.



In his March 2007 testimony before the House of Representatives (<http://pewglobal.org/commentary/display.php?AnalysisID=1019>), Andrew Kohut, the president of the Pew Research Center, noted that "it is no longer just the U.S. as a country that is perceived negatively, but increasingly the American people as well, a sign that anti-American opinions are deepening and becoming more entrenched."

No one would deny the existence of a values gap between the United States and the global community. Polls demonstrate that the global community is concerned with American levels of nationalism and religiosity and the United States' tendency to sacrifice social safety nets in the name of progress. The polls also reveal that the world sees Americans as dishonest, avaricious, and even violent. However, these same polls reveal widespread admiration for American science, technol-

ogy, and popular culture. They also find great respect for Americans' industriousness and inventiveness. One would find approximately the same mixed picture during the 1990s.

Anti-Americanism is increasing, however, because Americans, and the values for which they stand, are increasingly being associated with the Bush administration's foreign policy. According to Kohut, the world community increasingly suspects that the United States is using the war on terrorism as an excuse to project its power ever further. It also believes that America's preoccupation with terrorism has limited its ability and willingness to contribute to the resolution of global problems like climate change. Finally, many in the global community believe that the United States accords primacy to military force over diplomacy, with the result that even close allies regard it as one of the principal threats to world stability.

Exacerbating this perception is the hostility of influential policy makers, and their intellectual proponents, toward world opinion. Defending the war in Iraq, Jonah Goldberg, a *National Review* columnist, argued that "the gripes we hear today are the predictable complaints of people who grew pretty comfortable in the shadow of a sleeping giant. The giant was rudely awoken. And if the resultant harsh light of day is unpleasant or inconvenient to you, too frick'n bad. The United States is taking care of business and we've got nothing

to apologize for." Goldberg's colleague, Michael A. Ledeen, offered this policy prescription: "Every ten years or so, the United States needs to pick up some small crappy little country and throw it against the wall, just to show the world we mean business."

Growing opposition to American people coincides with increasing suspicion of democratic capitalism. I issue this statement with qualifications, of course. As of 2005, 64 percent of the world's countries were electoral democracies, and, if present trends persist, the world's major powers will continue to be democracies.

World opinion is like a friend. Its responsiveness scales with the respect that it receives.

However, rising powers will not have to embrace democracy to wield important influence. In particular, China's success in combining single-party rule and capitalist economics has buoyed

the hopes of autocratic powers — most importantly, Russia. Other examples abound. Central Asian and Eastern European countries are picking up where the Soviet Union left off. Closer to home, Latin America and South America are beginning to break their ties to Washington.

Keeping with these trends, the global community seems poised to embrace a world in which another power supplants the United States. In 2005, the Program on International Policy Attitudes and GlobeScan surveyed 23 countries on the optimal structure of global governance: 20 believed that it would be "mainly positive" if the European Union

acquired greater influence than the United States in world affairs. In 2007, the Chicago Council on Global Affairs and WorldPublicOpinion.org surveyed 13 countries on China's ascendancy: majorities in all but one believed that it would be "mostly positive" or "equally positive and negative" if China's economy were to become as large as America's.

Why should we care what other countries think? Recent years should answer that question. They can choose not to contribute to the welfare of Afghanistan and Iraq, which are emerging as fundamentalist states at the heart of the Middle East. They can revert to protectionism and establish bilateral pacts, thereby enfeebling the system of multilateral trade governance on which our economy's health depends. They can send their students to colleges and universities outside of the United States, thereby weakening our innovative edifice. They can prevent us from influencing Iran and North Korea, two of the world's most dangerous regimes. The list goes on.

World opinion is like a friend. Its responsiveness scales with the respect that it receives. It does not expect to get its way all of the time or even most of the time, but it will turn sour, even hostile, if it is continually ignored. While it is confident in its views, it is willing to listen and change. Under the Bush administration, we have turned our back on our most dependable friend, the one who helped us attain, and once embraced, our unrivaled position of power.

As we look forward to 2008, we should ask — are we going to lead in the 21st century? If the answer is yes, who are we going to elect to redeem our image?

Fall 2007 Wulff Lecture

Wednesday, October 17, 2007

4:30–5:30pm

Room 4-370

Reception to follow in Pappalardo Community Room, 4-349.

Materials Challenges for a Sustainable Automotive Industry

Dr. Alan I. Taub

Executive Director
Research & Development
General Motors Corporation



Alan Taub oversees GM's science laboratories, located in the US, India, and Germany. These are focused on advanced powertrain systems, computer-based design and analysis systems for vehicle engineering, electronics and information-based vehicle systems, new materials and fabrication processes, new, more environmentally friendly fuels and lubricants, and more efficient emission control systems. He is responsible for GM's advanced technical work activity and GM's global technology collaboration network.

He has a bachelor's degree in materials engineering from Brown University and master's and Ph.D. degrees in applied physics from Harvard University. He has received 26 patents and has authored more than 60 papers and worked at GE and Ford prior to joining GM.

C O U R S E I I I D M S E

CAMPUS LIFE

Squid vs. Whale

We Welcome Feedback

By Charles Lin
STAFF COLUMNIST

My roommate Sam and I were at Nieman Marcus the other day looking at Prada party shoes. It was then that we decided the current avenues for constructive feedback to the powers that be in America are woefully inadequate. Sam and I are strong proponents of constructive criticism, especially when it comes to consumer products.

For instance, Sam once wrote a letter to Trader Joe's suggesting that they should not advertise goods as 50 percent organic since that implies that they're also 50 percent chemical. Likewise, he has advised the Coca Cola Company to consider that Dr. Pepper out sells Mr. Pibb because the public is looking for a cola with a more advanced degree. He proposed Pibb Esquire as a more viable title.

I as well make a habit of sending angry monthly letters to the editors of the J. Crew catalog. This month's installment will bemoan the reemergence of shawl collars for men, which I hate.

As no one has ever responded to any of our missives, we feel the world would be a better place if feedback mechanisms were held in

proper regard. Then Barneys New York would know not to hang their clothes on pendulums. No one wants to see a \$1,200 velvet blazer achieve periodic oscillation. And yet, Barneys New York seems to think you do.

There can only be two reasons for this. The first is that Barneys is aiming for a more Foucault-inspired shopping experience. The second is that shoppers are perhaps more inclined to spend outrageous sums when they're nauseous. Either way, had Barneys New York actually listened to consumer feedback, they wouldn't be putting velvet blazers on pendulums. They also wouldn't be making ill-fitting \$1,200 velvet blazers in the first place.

Banana Republic has also recently turned a deaf ear to feedback. They're peddling a new fall fragrance called "Cordovan." Cordovan is defined as the "subcutaneous layer that covers the equine posterior," otherwise known as a horse's ass. Boy do I want to smell like that before a date. Are you ready to go out to dinner yet? Yeah, one second, let me apply some of this so you'll confuse me with a saddle.

If only there was a way for companies to actually adapt to people's tastes. It's amazing

that they spend so much money on trying to figure out what people want and yet inevitably fail. Remember New Coke? To date, writing letters and yelling at Banana Republic sales associates seems to have gone nowhere. No, change needs to come from the top down.

Here's what I'm thinking. These fancy retail stores love ultra modern installations for their stores. This is why Barneys does the pendulum thing and Abercrombie and Fitch hasn't actually shown a picture of a fully clothed person in five years. Why don't they make shopping a more interactive experience? Shoppers can only vote their approval by buying things; we need a way to instantly vote our dissatisfaction! Just as with political elections, I'd rather vote against somebody than for somebody.

When you enter a store, they should hand you a little remote with two buttons: (1) Like and (2) Hate. Then you should feel free to roam around and be judgmental. Don't like that stupid shawl collar men's cardigan? Then point and hate. It'd be even better if you could point it at other shoppers too. Hipster with the too-skinny jeans: point and hate.

Of course, I'm walking around in a mall

right now complaining incessantly and writing a column on a BlackBerry. If I had such a remote, I'd point and hate myself.

This is actually a good thing. Stores need to be reminded not to design absurd blazers. Likewise, I would be okay with the occasionally reminder of just how absurd my own existence is. In fact, almost everybody in the world would benefit from an occasional absurdity check. Who says the like/hate remote should be limited to shopping? Imagine speed dating with one of these things.

Well, the remote won't be invented today, but there is hope in the land of feedback. As I awkwardly communicate this column on Sam's BlackBerry with my thumbs, he is filling out a customer service survey that will give him 15 percent off a garment bag. We've been weighing out the cost-benefit analysis of a three-fold garment bag vs. a two-fold bag. We've decided that the space saving benefit of having three folds outweighs the problem of having another crease in the suit.

Hopefully the people who make garment bags will take our feedback into account.

Sent wirelessly via BlackBerry from T-Mobile.

By Christina Kang
STAFF COLUMNIST

Out of the thousands of photographs I took this summer, I can count on two hands those that I absolutely love. My first project in India proved to be the most difficult in many ways: adjusting to brushing my teeth with bottled water, overcoming the language barrier, reaching the right balance of respect, and, of course, taking a good photograph. While I was able to control composition, lighting, and other technical aspects, I ran into problems with capturing a variety of subjects and emotions.

I have hundreds of photographs of happy smiling children, which I love, but I really wanted to capture the problems that are occurring, the problems that the students are trying to fix. There is a lot for us to learn from these communities, but there is a lot that we can do to help them out as well. They may be content, but they are still living in their own feces and suffering from malaria, malnutrition, diabetes, anemia, angina, and many other diseases.

Using my camera to capture the problems

that exist proved to be very difficult because (1) the people often smile and seem happy, (2) a foreigner with a camera causes them to become even more excited, (3) the problems can't always be seen on the surface, but may be hidden or at the root of other problems, (4) many of the diseases that these community members suffer from do not have visible symptoms, and (5) there is a stigma against both mental and physical disabilities, so families hide their visibly sick children in their rooms.

Every time I had my camera out, everyone became animated and enthusiastic. Some even struck poses. I consulted B.D. Colen, an MIT photojournalism professor (and a member of *The Tech's* advisory board), and he suggested that I stay with them and keep shooting until they got bored of me. Then I might get some realistic and candid photos.

Unfortunately, I had to move along with the rest of my group, so this was difficult to do. Besides the immense language barrier, the camps were like a labyrinth where everything looked the same. I was also warned that my expensive

equipment could be too much of a temptation to some of the inhabitants, creating danger for me.

While getting all smiles was frustrating, they were also inspiring. Alternatively, tears and sadness made a poignant subject, but it was heart-wrenching work. Two of the later communities I visited in India had many more miserable eyes. How do you take a photograph of someone as they look up at you in tears? It feels inhumane. Even by the end of the summer, I was still unable to completely let go of any inhibitions, something that is often necessary to get the most moving photographs. Some of the most famous war photographers died either in the field or committed suicide because they could not handle the pain and suffering that they saw through their eyes and captured with their lens. It is hard to see suffering, let alone capture that for eternity.

It is hard to overcome the thought that you are taking advantage of another human's sad tragedy. The one consolation was that I was not taking the photographs for profitable motives, but rather in an attempt to educate and inspire others about the poverty and horrible living conditions that still exist. It is necessary to invoke emotion in viewers that are in a position to help.

I eventually developed a technique of making eye contact with my subjects and getting a nod or a movement from them that indicated they understood and did not mind if I took their photograph. It was especially difficult to shoot older community members because they became stiff and rigid, hiding their emotions and doing their best to look dignified and respectable. Photographing them presented an especially high barrier for me because I was raised to respect my elders, remaining quiet and deferring to their wisdom instead of treating them as equals.

I felt awkward in the position of the photographer, because the people treated me with reverence that I was not accustomed to receiving from my elders. I felt much more like an intruder trying to capture their lives. Many other photographers have explained that respect is necessary in getting a photograph, but that the photo should be taken first before getting an

Through My Eyes

Conflict Behind the Lens



CHRISTINA KANG—THE TECH

Although other children around him are full of excitement, one child has heavy eyes as his mother tries to console his pain.



CHRISTINA KANG—THE TECH

A child runs naked through the waste-filled paths of a camp outside of Delhi, India.

explicit go-ahead.

Once someone knows they are the subject of a photograph, they consciously or unconsciously act differently. Some get more flamboyant, others more reserved and rigid, and still others bashful. Most do not want to be captured crying in the midst of a depressing situation. This is an ethical issue that I have always struggled with. With the language barrier, it is even harder to deal with this problem. When my subjects speak English, I am more comfortable snapping a photo without their initial permission because I can then win them over with my (hopefully existent) charm. Without being able to speak their language, I'm worried that I'll offend and leave them feeling that way. There's no easy solution.

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STUDENT INFORMATION PROCESSING BOARD

Today, we'll discuss two popular mathematics software packages, Matlab and Mathematica. In addition, we'll take a look at gnuplot, a tool designed to produce high-quality data plots.

How do I get started with Matlab?

Matlab is a popular language for working numerically with lists and matrices. You can bring up the full interface with:

```
athena% add matlab
athena% matlab -desktop
```

(Without the `-desktop` flag, Matlab will start its text-mode interface.)

"Matlab" is short for "matrix laboratory." You can enter a matrix with square brackets, with spaces between numbers on the same row and semicolons to break rows:

```
>> a = [1 2; 3 4]
a =
     1     2
     3     4
```

You can also use an iteration syntax for long lists. For example, `[1:1000]` is the first thousand positive integers, and `[0:.01:1 2:.01:3]` represents all hundredths from 0 to 1 and from 2 to 3, inclusive.

Standard matrix operations such as multiplication (*), transpose, etc. are supported. You can call a function with parentheses:

```
>> transpose([1; 2; 3])
ans =
     1     2     3
```

Since Matlab will try matrix operations first, if you want to do a "scalar operation" on each element, you'll need to add a period before the operator. Using the answer from the previous problem:

```
>> ans .* [4 5 6]
??? Error using ==> mtimes
Inner matrix dimensions must agree.
>> ans .* [4 5 6]
ans =
     4    10    18
```

To plot a function via Matlab, first create the data points, then use the plot command:

```
>> x=[0:.1:pi]; y=sin(a);
>> plot(x, y)
```

You can find more information about options to the plot command, and in fact about most Matlab commands, by typing help followed by the name of the command.

A good, detailed reference about using Matlab is SIPB's document "Inessential Matlab," available in hard copy from our office. An online version is also linked from the Web copy of this article at <http://www.mit.edu/~asksipb/>.

What's a good tool for doing algebra and other symbolic math?

Mathematica is an interactive computer algebra system as well as a mathematical programming language. You can launch the standard notebook interface by typing

```
athena% add math
athena% mathematica
```

You'll be able to start typing expressions in standard mathematical notation. To evaluate an expression, hit Shift-Enter.

```
In[1] := 16! ^ (1/256)
Out[1] = 215/256 33/128 53/256 71/128 1431/256
```

Standard Mathematica functions are capitalized and use square brackets for their arguments, for example:

```
In[2] := Simplify[Integrate[
  2 Sin[Log[x]], x]]
Out[2] = x (-Cos[Log[x]] +
  Sin[Log[x]])
In[3] := Integrate[Sin[x]/x, {x, 0,
  Infinity}]
Out[3] = π/2
```

Mathematica is a powerful yet lightweight programming language as well; the classic example of the factorial can be re-implemented as:

```
fact[x_] := If[x==0, 1, x fact[x-1]]
```

In a more rule-based style, you can write

```
fact[x_] := x fact[x-1]
fact[0] := 1
```

(The underscore indicates a variable argument, rather than a literal "x.") You can even use higher-order functions, just like in Scheme:

```
In[4] := Map[ (#^2+1) &, {1, 2, 3,
  10}]
Out[4] = {2, 5, 10, 101}
```

Mathematica's online help, available from the Help menu, is extremely detailed and has several tutorials as well as a complete function reference. You can also type a question mark followed by a function name for a quick overview of the function's syntax:

```
In[5] := ?Sin
Sin[z] gives the sine of z.
```

How can I plot my data?

Although advanced math packages such as Mathematica and Maple incorporate some graphics capabilities, their focus is on data analysis and not presentation. To produce more professional figures, it is best to use an external program such as the gnuplot utility.

Gnuplot runs in a terminal, but it opens a separate window to display graphs. To start a `gnuplot` prompt, add the `gnuplot` locker (enter `add gnuplot` at an Athena prompt), then type `gnuplot`. Once running, `gnuplot` has an extensive on-line help system, accessible by typing `help` at the prompt.

Making plots on-screen is easy; for example, try:

```
gnuplot> plot x**2*sin(x)
```

It's also easy to plot data files, such as the output from this Mathematica command: `Export["trig.dat", Table[{x, Sin[x], Cos[x], Tan[x]}, {x, -3, 3, 0.1}]]`. Assuming that `trig.dat` is in the directory where you started `gnuplot`, you can plot the tangent function with `plot "trig.dat" using 1:4`.

You can also get `gnuplot` to write plots to a file. Try:

```
gnuplot> set terminal jpeg
gnuplot> set output "tangent.jpg"
gnuplot> plot "trig.dat" using 1:4
  smooth unique title "tan(x)"
gnuplot> set terminal x11
```

Gnuplot can produce an extensive variety of plotting styles — try using it for your next scientific paper!

To ask us a question, send e-mail to sipb@mit.edu. We'll try to answer you quickly, and we can address your question in our next column. You can also stop by our office in W20-557 or call us at x3-7788 if you need help. Copies of each column and pointers to additional information are posted on our Web site: <http://www.mit.edu/~asksipb/>

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Wind and Jazz Ensembles Musically Honor Herb Pomeroy



The MIT Wind Ensemble and Festival Jazz Ensemble performed a two-part concert entitled "Dance Winds" on Friday evening, Oct. 12. The concert welcomed parents and family in addition to celebrating the memory of Herb Pomeroy, jazz trumpeter and founder of the Festival Jazz Ensemble, who passed away on Aug. 11 of this year.

(Clockwise from top left) Roshini S. Zachariah '09 (left) and Kaitlyn P. Becker '09 (right) play flute during "Armenian Dances (Part 1)," by Alfred Reed.

Frederick E. Harris Jr. spiritedly conducts the Wind Ensemble through "Armenian Dances."

Mauro C. Braunstein G (right) and Lisa M. Danz '10 (left) play bass clarinet and bassoon, respectively, in "Alleluia," a song played in memory of Herb Pomeroy.

Jason P. Rich G (left) and Sinan Keten G (right) play opposite Collin E. Johnson G's baritone saxophone during a sax solo in "Pressure Cooker," a song by Sammy Nestico.

Aseem Kishore '08 wails during a trombone solo in "Tall Cotton," also by Nestico.

Matthew J. Rosario '10 plays the piano during "Dukabād," the second song in a medley in memory of Pomeroy.

Photography by Omari Stephens

Mellifluous Musical Rhythms Resound From Songfest

Every year, MIT's a cappella groups put on an entertaining show for students and parents at Family Weekend.

The Logarithms amuse hundreds with colorful costumes and eye-catching moves.

(clockwise from right)

Techiya, MIT's Jewish a cappella group, sings "Sisu et Yerushalayim."

Chelsea L. Ostrander '10 of the Muses serenades the crowd with "It Ends Tonight," originally by the All-American Rejects.

Ted A. Fernandez '09 of Resonance belts out "Feeling Good," originally by Nina Simone.

The MIT/Wellesley Toons open for the annual concert with "Put Your Records On," originally by Corinne Bailey Rae.

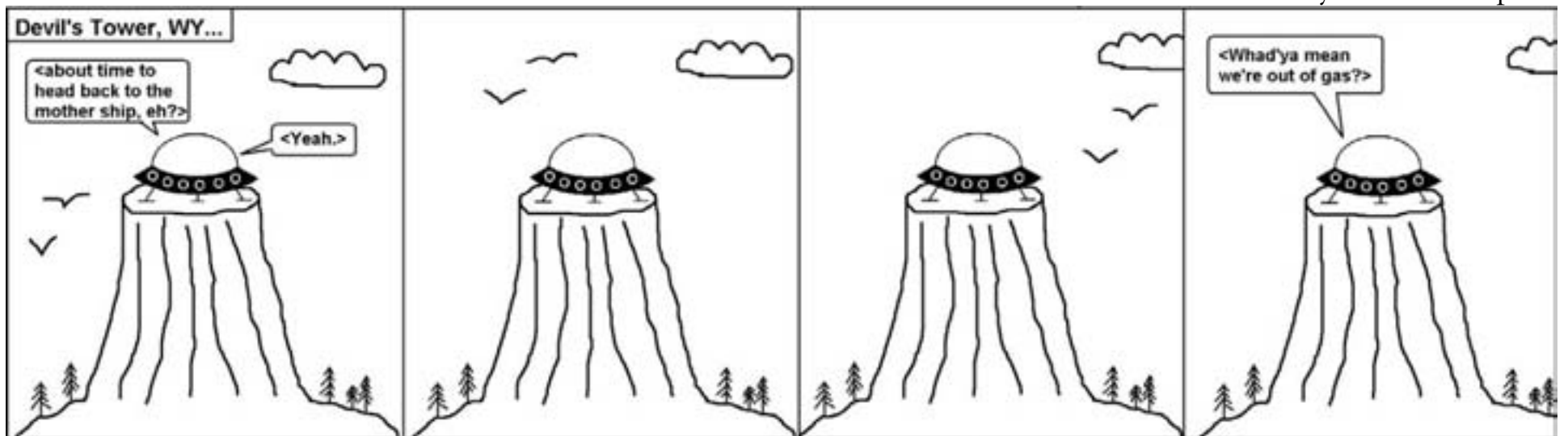


by R Perez-Franco



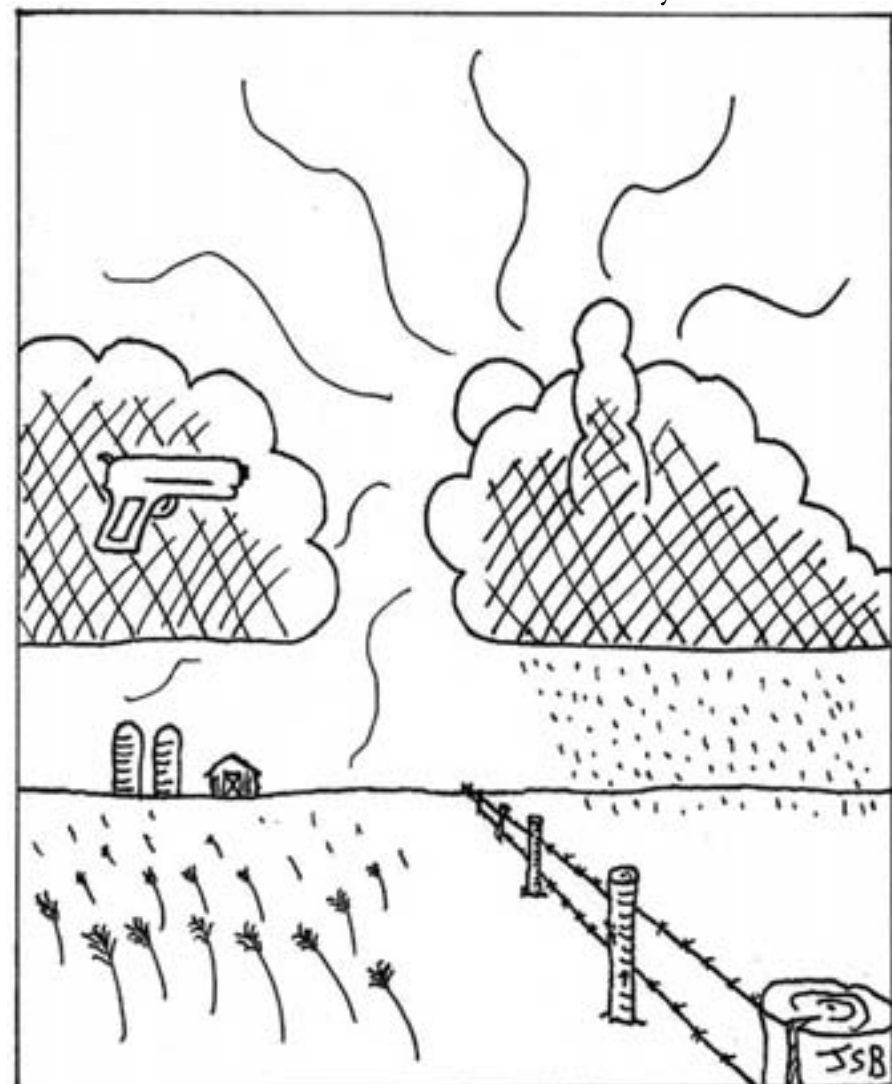
OVNI

by Roxana Safipour



Mad Science

by Scott Berdahl



su | do | ku

© Puzzles by Pappocom

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9. Solution on page 13.

Doonesbury

BY GARRY TRUDEAU

Dilbert® by Scott Adams

Crossword Puzzle

Solution, page 13

ACROSS

- 1 Propels skyward
- 6 Camera setting
- 11 Six-pt. plays
- 14 Delete
- 15 La Scala offering
- 16 Paris pal
- 17 Lesson from Aesop
- 18 Entices
- 19 Grave letters
- 20 Pitt/Jolie movie
- 23 Make lace
- 25 On the ocean
- 26 '60s hairdo
- 27 Discharges
- 30 Canadian island
- 32 Muse of poetry
- 33 Tropical rodent
- 36 Business ventures for couples
- 41 Aquarium fish
- 42 In agreement
- 43 British P.M. and family
- 46 Fills with thin mortar
- 47 Eliel Saarinen's son

- 48 Sitarist Shankar
- 51 ___ Gatos, CA
- 52 Main/Kilbride movie
- 57 Cop call
- 58 Comic Williams
- 59 Eccentric
- 62 Part of AT&T
- 63 Samuel of the Supreme Court
- 64 John of pop music
- 65 Exist
- 66 Lady's address
- 67 Frozen rain

DOWN

- 1 NASA vehicle
- 2 Barcelona gold
- 3 Group of major league hopefuls
- 4 Bygone Russian ruler
- 5 Actress Ward
- 6 Pleats
- 7 Foam
- 8 ___ cotta
- 9 Raw minerals
- 10 Overtake
- 11 Import tax
- 12 Composer

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		
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- Shostakovich
- 13 Transfer tube
- 21 Certain mil. base
- 22 Member of Corleone's family
- 23 Abound
- 24 Farming prefix
- 28 Stopping place
- 29 Salon lotion
- 30 Public vehicle
- 31 Perfume ingredient
- 33 IRS mo.
- 34 Tibetan gazelle
- 35 Harvest goddess
- 37 Sot's shakes
- 38 Wheel of fortune?
- 39 Within: pref.
- 40 Hr. with a shrink
- 43 Synagogue
- 44 Ballerina or gazelle, e.g.
- 45 Fit for cultivation
- 46 Beat it!
- 48 Overzealous
- 49 Japanese dog
- 50 Poisonous secretion
- 53 Whiskey shot
- 54 Negri of old films
- 55 Some digits
- 56 Quiet period
- 60 Lobster eggs
- 61 Tolkien's tree

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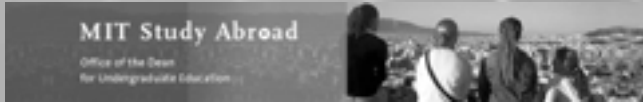
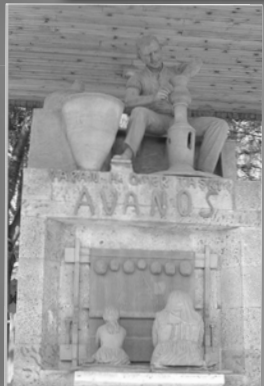


**Oct. 18, 4:30-5:30pm,
Rm. 3-133**

&

**Oct. 19, 3:30-4:30pm,
Rm. 4-231**

**Come learn about semester,
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opportunities!**



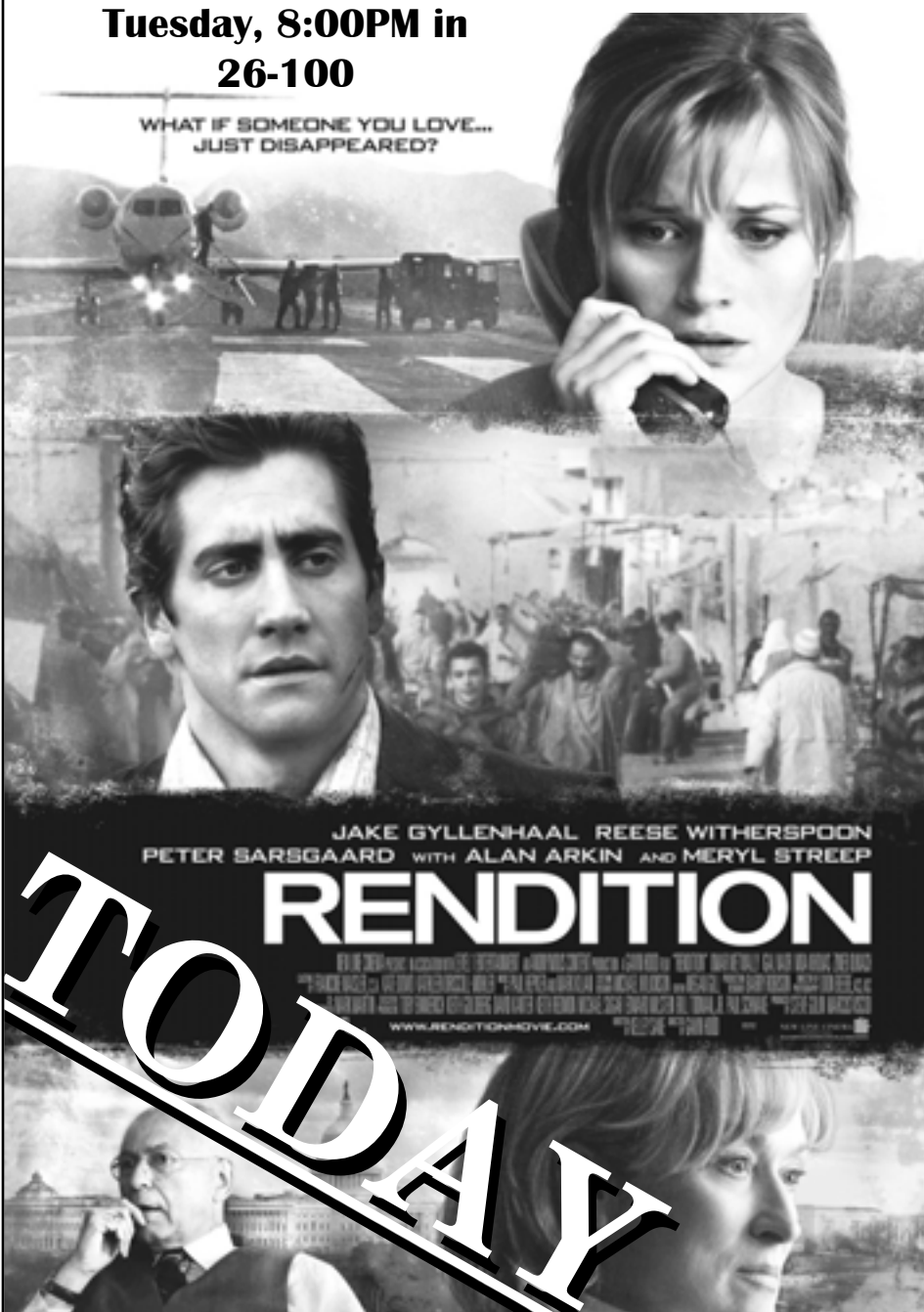
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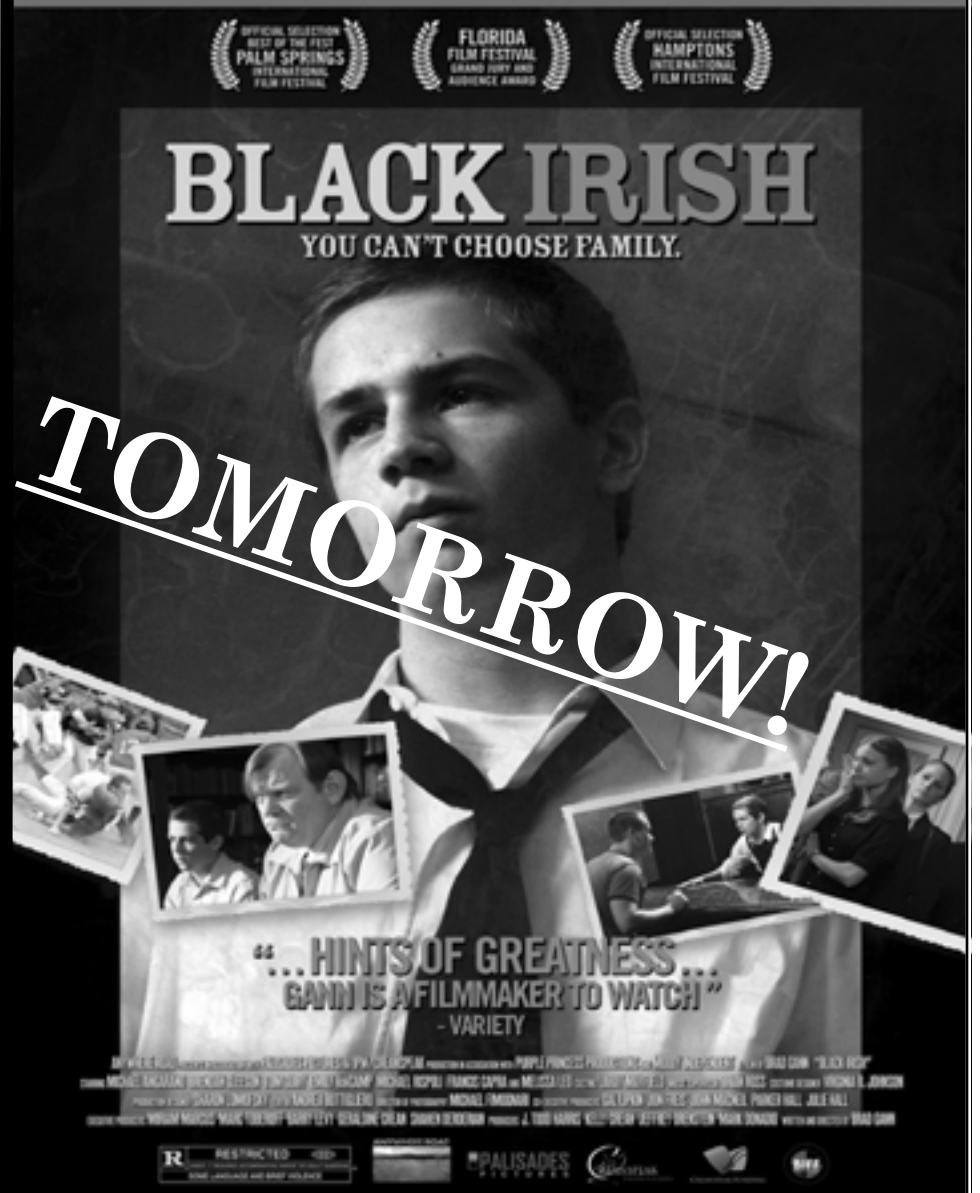
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26-100**



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LEHMAN BROTHERS

Tech Men Pull Away In Second Half

Water Polo, from Page 16

led all scorers.

The Cardinal and Gray improved to 10-10 with the win, while the Gaels fell to 9-13.

The first half was a back-and-forth affair, with the squads trading goals for the entirety of the opening 16 minutes. The Engineers held a slight 3-2 advantage after the first quarter, but by the halftime break, Iona had knotted the score at six.

It was a different story beginning in the third period, however, as MIT began earning — and taking advantage of — a number of power-play opportunities. In addition to Kalwarowsky's four, Lewis and Perkins each drew two ejections to aid the Engineers' cause. The hosts took a 10-8 lead into the fourth quarter before pulling away for the eventual 14-9 victory.

Preis continued to impress in his incredible rookie season by netting three goals, while Kalwarowsky and Smith-Bronstein added two apiece. Morgan S. Laidlaw '08, St. Julien P. Rosemond '09, and Artz each added a single tally to round out the scoring.

Also key to the Cardinal and Gray's efforts were Artz's three assists and Smith-Bronstein's two steals.

Souza manned the nets once again for MIT, stopping five shots and contributing three steals.

The Engineers will return to action next Sunday, Oct. 21, when they travel to Connecticut College for a 1 p.m. game.

Football Beats WNEC 26-21, Earns First Win of Season

The MIT football team earned its first win of the season on Saturday afternoon, beating Western New England College 26-21 in an away game. Quarterback Stephen C. Toth '09 threw for 52 yards and two touchdowns, while DeRon M. Brown '10 rushed for 138 yards and another touchdown. Toth replaced Brian P. Doyle '11, who passed for 11 yards before leaving with an injury.

Tech (1-5, 1-3 New England Football Conference) relied on its running game, earning 265 of its 336 yards on the ground. After falling behind 7-0 just 1:41 into the game, Toth connected with running back Robert C. Utz '09 for a three-yard pass on fourth-and-goal in the second quarter. MIT never trailed again, as Marcus A. Parton '10 intercepted a pass that led to a touchdown drive. Brown completed a 25-yard run to the end zone to give MIT a 13-7 halftime lead.

After Thomas C. Scotton '08 completed a two-yard touchdown run, WNEC countered with a scoring drive that culminated in back Jordan Capitanio running for nine yards. The score stood at 20-14 before Toth finished a fourth-quarter drive with a one-yard touchdown pass on fourth-and-goal to Thomas J. Franklin '09. WNEC scored another touchdown late in the fourth quarter on another Capitanio run, making the score 26-21. The Golden Bears could not manage another late touchdown, as quarterback Tim Hegarty threw an incompleteness into the back of the end zone on the last play of the game.

MIT will compete against Salve Regina in a home game at Steinbrenner Stadium on Saturday, Oct. 20 at noon.

—Caroline Huang

Women's Volleyball Places First in Quad Tournament

Katherine C. Rowe '10 earned MVP honors in leading MIT to first place in the Quad Tournament, held in Rockwell Cage on Saturday. Tech topped Colby-Sawyer College, Greensboro College, and Eastern Connecticut State University, which finished in second, third, and fourth place, respectively. Opposite hitter Katrina M. Ellison '10 earned All-Tournament honors.

The team, which collected its third consecutive Quad Tournament title, won all three matches in straight sets, beginning with a 30-19, 30-18, 30-19 victory over Colby-Sawyer. Next came a routine 30-15, 30-18, 30-19 win over Eastern Connecticut, followed by a 30-26, 30-18, 30-23 victory against Greensboro.

Tech will compete against Wellesley in a NEWMAC match today at 7 p.m.

—Caroline Huang

Lochmiller Scores Game-Winner In Overtime Against Babson

Chase J. Lochmiller '08 scored the game-winning goal in a 1-0 victory against Babson College in a New England Women's and Men's Athletic Conference men's soccer game this past Saturday. With 51 seconds left in the first overtime period, Lochmiller launched an 18-yard shot into the lower right corner of the goal that Babson goalkeeper Chris Necklas could not save.

The Engineers (7-4-1, 1-2-1) survived an overtime scare when the referees called Babson's Tim Winn offsides just prior to his knocking a ball past goalkeeper Thomas S. Caldwell '09. Caldwell earned five saves, recording his ninth career shutout and fourth of the season.

With the victory, the Engineers avenged a pair of 5-0 losses to Babson (10-3-1, 3-1-0) from the 2006 season.

The Engineers next compete on Saturday, Oct. 20 against NEWMAC opponent Springfield College in an away game beginning at noon.

—Caroline Huang

Men's Golf Finishes 14th At ECAC Championship

The MIT men's golf team finished 14th out of 15 teams at the Eastern College Athletic Conference Division III Championship this past weekend, shooting a team score of 679. Trinity College came away with the team win, totaling 599 shots over two rounds.

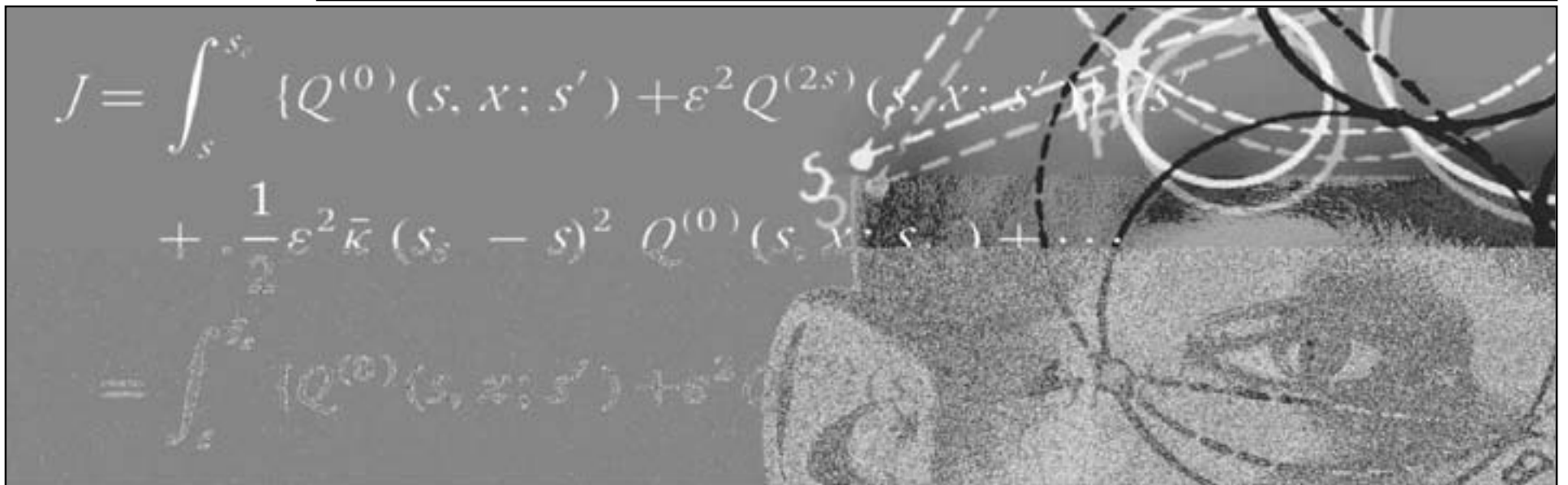
Edward B. Keith '09 shot the lowest two-day score for the Engineers with a 159, good for a 34th-place tie in the individual standings. Keith was 18 shots back of the medalist, Castleton College's Bryan Smith, who recorded a total of 141.

Rounding out the scoring for MIT were Anthony G. Fowler '09 (166), Bradley S. Brown '08 (173), Austin L. Oehlerking '08 (180), and Bryn L. Waldwick '10 (189).

The team has a two-week layoff before competing in the New England Intercollegiate Golf Championship in Brewster, Mass. on Monday, Oct. 22 and Tuesday, Oct. 23.

—Caroline Huang

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SPORTS

Sixth-Ranked Water Polo Wins Pair Over Div. I Fordham, Iona

By Jeff Lemieux
DAPER STAFF

MIT's water polo team, ranked sixth nationally in Division III, defeated Fordham University and Iona College in a pair of home Collegiate Water Polo Association Northern Division games this weekend.



Victory over Div. I Fordham

Tech defeated Division I opponent Fordham University, 11-6, on Saturday afternoon in the Zesiger Pool. With the victory, the Engineers snapped a five-game losing streak and improved to 9-10 on the season, while the Rams fell to 9-10.

The win continued MIT's domination of Fordham in recent years, as Tech has emerged triumphant in 11 of the teams' last 12 meetings.

Michael R. Smith-Bronstein '09 and Mark E. Artz '10 powered MIT

offensively, as each bagged a game-high three goals. Rookie John V. Preis '11 was the Engineers' other multi-goal scorer, netting a pair to push his team-leading season total to 48, while Devin M. Lewis '10, Robert J. Kalwarowsky '10, and Matthew J. Perkins '11 rounded out the scoring with one tally apiece.

Nicholas A. Souza '10 was solid between the posts for the Cardinal and Gray, saving nine shots.

Strong second half against Iona

MIT took advantage of a number of second-half power-play opportunities en route to a 14-9 victory over visiting Iona College on Sunday afternoon. Kalwarowsky's workmanlike effort down low helped draw four ejections to lead to many of the Engineers' man-advantage chances, while fellow sophomore Lewis' four goals

Water Polo, Page 15

Women's Soccer Defeats WPI 6-0; Hopmans Earns First Hat Trick

By James Kramer
DAPER STAFF

Janine M. Hopmans '08 enjoyed the first multi-goal effort of her career by supplying a hat trick as MIT women's soccer topped Worcester Polytechnic Institute, 6-0, in the New England Women's and Men's Athletic Conference's annual battle of the Engineers. Fellow captain Amy S. Ludlum '08 factored in five of Tech's finishes in helping MIT improve to 6-1 at home this season.

MIT (9-4-0, 4-2-0) opened the scoring in the first minute of Saturday's match as Jean E. "Liz" Theurer '10 scored from 20 yards out on a high-arching shot set up by Ludlum. Theurer reciprocated in the 15th minute, delivering a clean pass to a cutting Ludlum, who slammed the ball home from eight yards out to secure her 16th goal of the campaign.

WPI (6-8-0, 2-4-0) was unable to sustain an attack against the MIT midfield, which played exceptionally well for most of the afternoon. In the 34th minute, the hometown Engineers moved in front, 3-0, on Hopmans' first goal of the afternoon. Five minutes later, Hopmans connected on her second finish of the day after a great feed in the middle by Erica W. Little '11. Ludlum, who set an MIT single-game record with four assists,

set up Hopmans' first score.

Lauren R. Hernley '11 continued her terrific play in the midfield this year, scoring her fourth goal of the season in the 73rd minute as MIT broke open the second-half scoring. Off an assist from Ludlum, Hopmans capped the scoring in the 90th minute with a thunderous boot just in front of the WPI goal.

Stephanie V. Brenman '09 picked up her fifth shutout victory of the season for the Cardinal and Gray after making three stops. Sophomore Elizabeth Glasson shouldered the loss for WPI, despite making three saves in one half of play. Nicole DeCampo and Abaigeal Caras split the goalkeeping duties in the second half.



WILLIAM YEE—THE TECH

Jean "Liz" E. Theurer '10 and Amanda Young of Worcester Polytechnic Institute vie for control of the ball in a women's soccer game Saturday. The game was a 6-0 shutout victory for the MIT Engineers.

Rifle Team Sweeps USP in Air, Smallbore; Tech's Houston Second in Both

By James Kramer
DAPER STAFF

The MIT rifle team swept the University of the Sciences in Philadelphia in both guns on Saturday, picking up where it left off after last week's solid start against VMI.

Emily F. Houston '10 paced the Engineers in both events, securing scores of 562 in smallbore and 573 in air. USP's Michelle Bauer, who was the top marksman during the tilt, out-dueled Houston on the last target card to take top individual honors in air rifle. Bauer scored a 95 in the final rotation to finish with a score of 574. Houston, who finished one point back in the aggregate, shot a 94 in her last attempt.

Bauer also earned the highest score in smallbore with a total of 576, but USP couldn't match MIT's depth, falling 2113-2100. The En-

gineers benefited from a few clutch performances, including a third-place score of 543 by Joseph K. Lane '11. Lane was the only shooter to record a perfect score on one target card after firing a 100 from the prone position. Sarah R. Miles '10 also performed well with a total of 529 points, highlighted by the fact that she shot in the 90's on three separate occasions.

The Engineers had a little more breathing room in air rifle, where they finished ahead of USP, 2179-2141. Once again, Lane finished third after a total of 558, while Jennifer K. Paek '10 closed strong to end with a score of 536 and a fourth-place finish in the individual standings. Miles closed out the scoring with a total of 512, while Justine Li '10 finished just off the pace after shooting a 509.

MIT returns to competition on Saturday, Oct. 27 against Navy in a home match beginning at 8 a.m. in the duPont Athletic Center.

UPCOMING HOME EVENTS

Tuesday, Oct. 16, 2007

Women's Soccer vs. Wellesley
Women's Volleyball vs. Wellesley

3:30 p.m., Steinbrenner Stadium
7 p.m., Rockwell Cage

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