

Two Police Officers Suspended for Recycling 300 Copies of ‘The Tech’

By John A. Hawkinson
STAFF REPORTER

The MIT Police have been hit hard by the arrest of one of their own, officer Joseph D’Amelio, who was apprehended on Saturday in East Boston with more than 800 tablets containing oxycodone, and \$16,000 in cash. D’Amelio has been charged with drug trafficking and is in jail on \$500,000 bail.

MIT is forming a panel to review D’Amelio’s activities and their implications.

Separately, two MIT Police officers were suspended Wednesday after admitting that they cleared 300 *Tech* issues off the stands in the student center and put them in paper recycling late Tuesday night.

Tuesday’s *Tech* prominently featured an article and photograph about D’Amelio’s arrest. *The Tech* received a tip late Tuesday night that police officers had removed copies of *The Tech* from stands in the Student Center.

The 300 newspapers were found in a recycling bin outside. Another 100 papers were found in a recycling bin at the east end of the Infinite Corridor. *The Tech* filed a police report.

On Wednesday, the two officers came forward through the Campus Police Association, their union, according to both Campus Police Chief John DiFava and union president Joseph S. West.

DiFava said the officers were placed on administrative leave without pay. The police department is “looking

into the entire incident, photographs, interviews,” DiFava said.

DiFava expects the investigation to complete within days, not weeks.

Members of the MIT Police are under a lot of stress right now, West said, referring to the arrest of D’Amelio.

“It’s a very dark time in the MIT Police history,” said Brian J. Sousa, the union’s shop steward. “It’s affecting a lot of people personally,” he said.

As police officers, any questionable incidents put their reputation at risk, and this incident is no exception.

“We do take a lot of heat,” West said. “We want to apologize for the unfortunate incident that took place,” West said. “As a union, we’ve never

Police, Page 11

MIT ROTC Students Train to Be Leaders In Both the Military and Civilian Worlds

By Maggie Lloyd
STAFF REPORTER

The Combat Water Survival Test is a training exercise for MIT’s Army Reserve Officer Training Corps cadets that includes a three-meter blind drop, an equipment ditch, where cadets must jump in and remove all their tangled equipment before surfacing, and a 15-meter swim in a heavy uniform while holding a dummy rifle aloft.

For Raphael E. Moyer ’10, a self-proclaimed “poor swimmer,” it’s a test of confidence.

“It doesn’t sound like that far, but it’s pretty tough,” Moyer said.

When MIT was founded, all students were required to take part in

military training. In 1917, MIT became the first school to have an official ROTC program administered by the Army. ROTC offers financial assistance with scholarships, but requires four years of service in the military from its students. They are called to active duty after they graduate. To date, more than 12,000 MIT students have been commissioned into the Army, Air Force, and Navy.

Compared to ROTC at other schools, MIT’s program is much smaller. Half as many schools are assigned to MIT’s ROTC as there are assigned to the Boston University ROTC program. It’s a tighter-knit community. Moyer expected a strict military environment when he de-

cided to join ROTC. At other schools, ROTC is very hierarchical: everyone stands at attention when talking to a superior. At MIT, he said, the atmosphere is more relaxed.

“Everyone has a lot of respect for each other, but it’s not like this rigid chain of command of getting orders and getting reprimanded, which I

ROTC, Page 10

Thanks to Obama Bill, Birth Control Pill May Get Cheaper at MIT Medical

By Meredith Lis
STAFF REPORTER

President Obama signed a bill last week that will likely reduce the price of contraceptives for college pharmacies.

Up until two years ago, pharmaceutical companies gave discounts to clinics and pharmacies at colleges.

But in 2007, the Deficit Reduction Act of 2005 came into effect, making it expensive for drug companies to continue offering those discounts.

The new law reverses the events of the past two years, allowing pharmaceutical companies to once again sell contraceptives to universities at lower prices — though it is up to

them to follow through.

MIT will have to renegotiate prices with pharmaceutical companies to provide students with the lowest rates possible. “We will certainly position ourselves to purchase in a way that is advantageous to the community,” said Dr. William M. Kettyle, director of MIT Medical.

Open Access, Page 11

Suspects Identified in Two Recent Robberies; Another Robbery Reported Near Campus This Week

Law enforcement has identified suspects in two recent robberies on or near the MIT campus.

One suspect was identified for the Feb. 22 2:10 p.m. daylight robberies outside the Stata Center and the Media Lab. Another was identified for the March 11 evening robbery at the Bank of America ATM at the corner of Vassar St. and Massachusetts Ave.

The incidents were not related to each other, said Detective Willard J. Boulter III of the MIT Police.

For the Feb. 22 robbery, the Boston Police are working to determine probable cause to make an arrest according to Boulter, who is assigned to these cases and works in conjunction with the Cambridge Police, Boston Police, and State Police Special Investigations Unit.

As for the Mar. 11 robbery, during which the assailant fled on a bicycle, Boulter said they had a different suspect. Boulter characterized police efforts favorably, saying “we’re making leaps and bounds.”

Crime has continued near campus though. On Tuesday, a worker at Così was robbed while en route to a local bank with a cash deposit.

Boulter said that the campus was still a “safe place,” but that any tips or information anyone had regarding these robberies would be helpful. “Any little thing can help,” he said.

—John A. Hawkinson



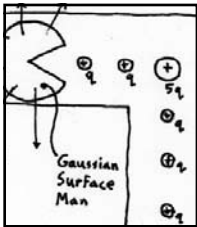
MICHAEL Y. MCCANNA—THE TECH

The Center for Health Promotion and Wellness at MIT provides condoms (seen above) to students for free. Not all types of contraceptives are free to students; certain drugs have become prohibitively expensive.

In Short

¶ The physics department brought forth a motion at Wednesday’s faculty meeting to create a new physics class, 8.021, for students who have failed 8.02 (Electricity and Magnetism).

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



Comics

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ARTS

Manami Morita’s fiery jazz fingers
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Remember that weird animatronic band from Chuck-E-Cheese’s?
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WORLD & NATION

Soldiers' Accounts of Gaza Killings Raise Furor in Israel

By Ethan Bronner

THE NEW YORK TIMES

JERUSALEM

In the two months since Israel ended its military assault on Gaza, Palestinians and international rights groups have accused it of excessive force and wanton killing in that operation, but the Israeli military has said it followed high ethical standards and took great care to avoid civilian casualties.

Now testimony is emerging from within the ranks of soldiers and officers alleging a permissive attitude toward the killing of civilians and reckless destruction of property that is sure to inflame the domestic and international debate about the army's conduct in Gaza. On Thursday, the military's chief advocate general ordered an investigation into a soldier's account of a sniper killing a woman and her two children who walked too close to a designated no-go area by mistake, and another account of a sharpshooter who killed an elderly woman who came within 100 yards of a commandeered house.

The testimonies by soldiers, leaked to the newspapers Maariv and Haaretz, appeared in a journal published by a military preparatory course at the Oranim Academic College in the northern town of Tivon. The newspapers promised to release more such anecdotal accounts on Friday.

The academy's director, Dany Zamir, told Israel Radio, "Those were very harsh testimonies about unjustified shooting of civilians and destruction of property that conveyed an atmosphere in which one feels entitled to use unrestricted force against Palestinians."

AIG Executives Face Scorn, Even On Their Own Driveways

By James Barron and Russ Buettner

THE NEW YORK TIMES

The AIG executive who was nicknamed "Jackpot Jimmy" by a New York tabloid walked up the driveway toward his bay-windowed house in Fairfield, Conn., on Thursday afternoon.

"How do I feel?" said the executive, James Haas, repeating the question he had just been asked. "I feel horrible. This has been a complete invasion of privacy."

Haas walked on. "You have to understand," he said, "there are kids involved, there have been death threats. ..." His voice trailed off. It looked as if he was fighting back tears.

"I didn't have anything to do with those credit problems," said Haas, 47. "I told Mr. Liddy"—Edward M. Liddy, the chief executive of AIG, the insurance giant—"I would rescind my retention contract."

He ended the conversation with a request: "Leave my neighbors alone."

Medical Laser Makers Aiming at Toenail Fungus

By Natasha Singer

THE NEW YORK TIMES

Laser eye surgery has enabled millions of people to throw away their eyeglasses. Now several medical technology companies are hoping that lasers aimed at the feet will allow millions to take their socks off, even in public.

The target is toenail fungus — an infection in an estimated 10 percent of American adults, or 23 million people — that causes toenails to become thick, yellow and fetid.

If these lasers, which recently completed small clinical trials, work, they will represent a new way to treat nail infection by selectively irradiating fungi while leaving the nail and surrounding tissue intact.

Right now, there is no sure cure. The fungi are so hardy that popular antifungal pills, which carry a small risk of liver damage, are completely successful less than half of the time.

House Approves New Tax to Stem Wall St. Bonuses

By Carl Hulse and David M. Herszenhorn

THE NEW YORK TIMES

WASHINGTON

The House of Representatives overwhelmingly approved on Thursday a near-total tax on bonuses paid this year to employees of the American International Group and other firms that have accepted large amounts of federal bailout funds, rattling Wall Street as lawmakers rushed to respond to populist anger.

Despite questions about the legality of the retroactive 90 percent levy, Democrats and some Republicans said the tax on bonuses for executives earning more than \$250,000 was the quickest way to show angry Americans that Congress intended to recoup the extra dollars. Even backers of the measure noted it was an extraordinary step.

The House vote sent some employees into a panic about the prospect of, in effect, having to give up money they might already have spent. And it had regulators fearing it could undermine the Treasury's efforts to stabilize the financial system if banks tried to flee the bailout program or if other firms refused to par-

ticipate in coming rescue operations in order to protect their bonuses, some executives said.

Vikram S. Pandit, the chief executive of Citigroup, lobbied against the legislation in a meeting Thursday with the Senate majority leader, Sen. Harry Reid, according to an industry official.

But the rush to curb the bonuses by lawmakers, many of whom have previously been torn about limiting executive compensation, reflected congressional anxiety about heightened public dismay over the bailout. The Senate is expected to consider a similar tax on bonuses but has some differences with the House, which could slow final action.

In a statement, President Barack Obama suggested he was supportive of the legislation, urging Congress to deliver a "final product that will serve as a strong signal to the executives who run these firms that such compensation will not be tolerated."

In an appearance later on "The Tonight Show" on NBC, Obama was measured in his reaction, saying he understood that Congress was "responding, I think, to everybody's anger" but that the best way to han-

dle the situation was "to make sure you've closed the door before the horse gets out of the barn."

The legislation would apply to bonuses paid to executives at companies holding at least \$5 billion in bailout money and would essentially wipe out the phenomenal paydays that have been a tradition on Wall Street, at least until the firms reduce the amount they owe taxpayers to less than \$5 billion.

According to a tally by The New York Times of bailout recipients, employees at 11 institutions — including Goldman Sachs, Bank of America, Citigroup, Wells Fargo and JPMorgan Chase — would face restrictions immediately.

The current version of the Senate bill would apply to an even wider array of companies. It would tax bonuses at companies that received as little as \$100 million in federal bailout assistance, though at a lower rate.

In response, financial institutions that have received federal bailout money mounted a broad assault Thursday on the House legislation, which was opposed by leading Republicans.

Mugabe Is an Obstacle to More Donor Aid

By Celia W. Dugger

THE NEW YORK TIMES

HARARE, ZIMBABWE

On his first day as education minister in a government so broke that most schools were closed and millions of children idle, David Coltart said he got a startling invitation.

"Come and get your brand-new white Mercedes," an official told Coltart, a veteran opposition politician, as President Robert Mugabe peered down from a portrait on the minister's office wall.

The offer of an E-Class Mercedes to every minister in the month-old power-sharing government was vintage Mugabe, an effort to seduce his political enemies with the lavish perks he has long bestowed on loyalists.

Coltart said no thanks. Opposition members like Coltart who joined Mugabe in office last month have already achieved some

successes, like getting teachers back to work and winning the release of some political prisoners. But many of them warned in interviews that the progress would be short-lived if Western nations, meeting Friday in Washington to discuss expanding assistance, did not extend billions of dollars in aid to rebuild Zimbabwe.

Zimbabwe's main donors of emergency medical and food aid — the United States, Britain and other European nations — face a painful question posed by those pleas for more help. How do the world's wealthiest nations pump money into Zimbabwe's crippled economy without propping up Mugabe, feeding his patronage machine and extending his disastrous three decades in power?

Before fully re-engaging with Zimbabwe's government, the donors have said they want to see the release of all political prisoners, a halt to sei-

zures of white-owned farms and the restoration of a free press. But some diplomats here say hard-liners in Mugabe's old guard seem determined to sabotage the power-sharing agreement and the infusion of Western aid that the public would credit to the newcomers, led by Prime Minister Morgan Tsvangirai of the Movement for Democratic Change.

The most critical test for Tsvangirai is whether he can deliver on his inaugural promise to pay the civil service in foreign currency — particularly the police officers and soldiers who have enforced the repressive rule of Mugabe and his party, ZANU-PF, but whose pay in the local currency is now worthless. Even some diplomats who were most skeptical about Tsvangirai's deal to govern with Mugabe, 85, now sense an opportunity to weaken "the old man," as he is called here.

WEATHER

A Load of Pressure

By Cegeon J. Chan

STAFF METEOROLOGIST

Did you feel like there's been extra pressure on you? Maybe it was due to all of your professors conspiring to schedule their exams all on the same week? While that could be true, it could from the air column above you exerting extra pressure instead. There has been a slow-moving high pressure system that has dominated the eastern half of the US. Over the last seven days, the sea-level pressure in Boston has averaged about 1025 millibars — roughly one to two standard deviations above normal. That system has moved well off the coast, but another one has already moved in to take its place. For those graduate students, MIT athletes and others stuck at MIT during spring break, the good news is that this system too will also be a slow-mover, so another rain-free stretch of weather is expected over the next seven days.

For those fortunate enough to go away during Spring Break, there are warmer than normal conditions over the western half of the US. Highs in Denver will be in the mid 70s°F for the next couple of days. LA will be sunny and warm with highs in the mid 60s. Finally, for those heading down to Fort Myers, Florida, it will be sunny with high temperatures in the mid 80s. In general, thanks mainly to this "extra" pressure over the eastern US, any travel plans over the next couple of days should go smoothly.

Extended Forecast

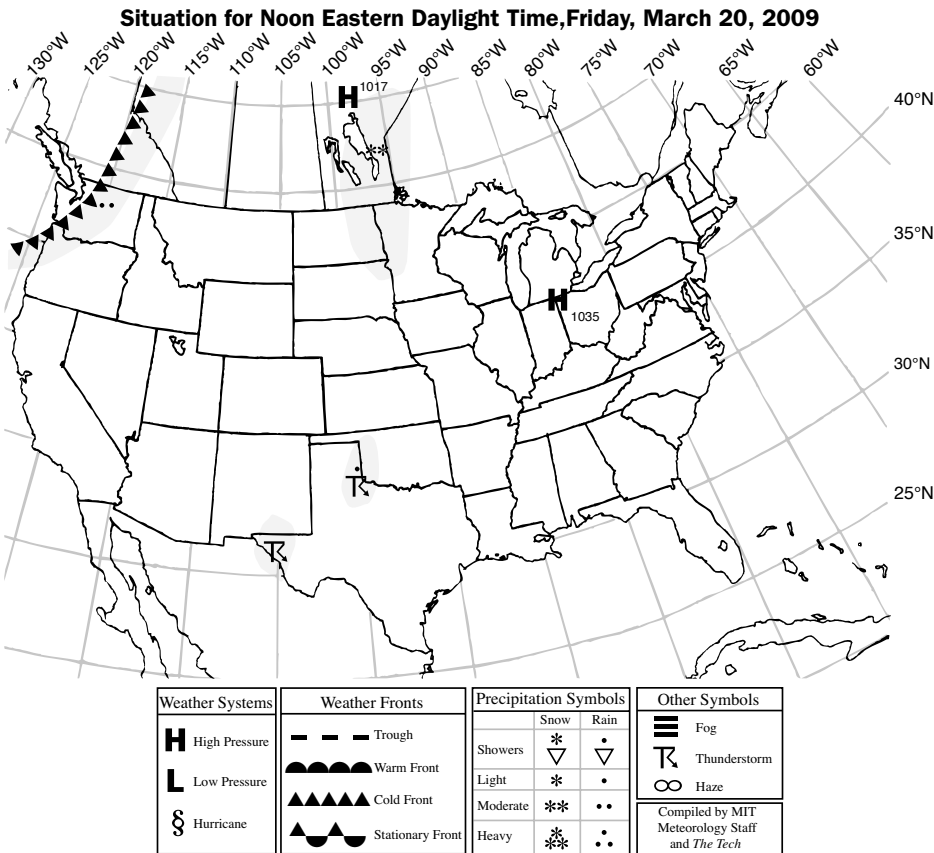
Today: Mostly Sunny. Highs in the upper 40s°F (9°C). North winds 10 to 15 mph.

Tonight: Mostly clear. Lows near 30°F (-1°C). North winds 10 to 15 mph.

Tomorrow: Sunny. Highs in the lower 50s°F (11°C).

Sunday: Sunny. Highs in the upper 50s°F (15°C).

Monday: Sunny again. Highs in the mid 50s (-13°C).



Global Decline in Manufacturing Raises Fears

By Nelson D. Schwartz
THE NEW YORK TIMES

Since it was founded by his great-grandfather in 1880, Carl Martin Welcker’s company in Cologne, Germany, has mirrored the fortunes of manufacturing, not just in Europe but around the world.

That is still true today. In a pattern familiar to industrial businesses in Europe, Asia and the United States, Welcker says his company, Schuette, which makes the machines that churn out 80 percent of the world’s spark plugs, is facing “a tragedy.”

Orders are down 50 percent from a year ago, and Welcker is cutting costs and contemplating layoffs to prevent Schuette from falling into the red.

That manufacturing is in decline is hardly surprising, but the depth and speed of the plunge are striking and, most worrisome for economists, a self-reinforcing trend not unlike the cascading bust that led to the Great Depression.

In Europe, for example, where manufacturing accounts for nearly a fifth of gross domestic product, industrial production is down 12 percent from a year ago. In Brazil, it has fallen 15 percent; in Taiwan, a staggering 43 percent. Even in China, which has become the workshop of the world, production growth has slowed, with exports falling more than 25 percent and millions of factory workers being laid off.

In the United States, until recently a relative bright spot for manufac-

turing despite the steady erosion of blue-collar jobs, industrial output fell 11 percent in February from a year ago, according to statistics released Monday by the Federal Reserve.

“Manufacturing has fallen off the cliff, and it’s certainly the biggest decline since the Second World War,” said Dirk Schumacher, senior European economist with Goldman Sachs in Frankfurt.

The pattern of manufacturing and trade ominously recalls how the financial crisis that began in 1929 grew into the Great Depression: Tightening credit and consumer fear reduced demand for manufactured goods in one country after another, creating a downward spiral that reduced global trade.

A Leader Beyond Reproach Limits Possibilites for Libya

By Michael Slackman
THE NEW YORK TIMES

TRIPOLI, LIBYA

Step one block off almost any main road and the streets here are badly damaged or completely unpaved. There are problems with the schools, the health care system and the government bureaucracy, which is plagued by corruption and inefficiency. Untreated sewage is dumped right into the Mediterranean.

Libya is a police state, but the trains still do not run on time.

“The administration has failed and the state economy has failed, enough is enough,” said Col. Moammar Gadhafi in a recent speech that made no mention of his own role

as the man in charge for the last 40 years.

Libya recognizes its problems and is trying to respond, after a fashion. But whatever Libya does, it must stay within the boundaries of a system created by Gadhafi, or Brother Leader, as he is called. And that is the country’s Achilles’ heel: By nearly every practical measure, the system has failed Libyans, but it is his system, so it is above reproach.

As eager as Gadhafi and Libyans are to rejoin the contemporary world, to just become a normal country, they are likely to be frustrated as long as it remains impossible to fundamentally reform the system imposed by Libya’s absolute ruler.

“It is all him, because there are no institutions in Libya to share his power or challenge his behavior,” said Attia Essawy, an Egyptian writer with expertise in Libyan affairs.

In many ways, Libya is a case study in how power tends to corrupt. Last month, Gadhafi offered a formula for fixing his hobbled state. His idea was to abolish the government altogether and give all the oil proceeds directly to each family.

Abdul Mahjeed el-Dorsi, director of Libya’s foreign media department, explained: “The government will be demolished, it will disappear. You will take your share of the wealth and you can go to private schools, universities.

Pakistan Accused of Link to Kabul Suicide Bombers

By Sangar Rahimi and Carlotta Gall
THE NEW YORK TIMES

KABUL, AFGHANISTAN

Suicide bombers who stormed the Justice Ministry and a prison department building in the Afghan capital on Feb. 11 were trained in Pakistan’s lawless border region, Afghan intelligence officials have said.

The attack, which left 26 people dead and more than 50 wounded, was conducted by eight armed men wearing suicide vests, and has been compared with the militant attacks in Mumbai, India, in November and against the Sri Lankan cricket team in the Pakistani city of Lahore on March 3.

The attackers’ aim was to kill as many people as possible, Sayed Ansari, a spokesman for the National Security Directorate, said Wednesday at a news conference in Kabul. They also intended to take hostages inside the Justice Ministry and demand the release of Taliban members held in Afghan jails, he said.

Ansari said seven accomplices had been arrested, and several more killed in a raid in Logar province, south of the capital. At least one of those arrested has said he was trained in Waziristan, a tribal region of Pakistan, by a man named Mohammad Haris, who Ansari said organized the operation.

“He played an active role in organizing the attack from the other side of the border,” he said, adding that Haris uses a number of aliases. “He was using a Pakistani mobile phone number to contact other members of the group.”

A Taliban fighter based in Pakistan’s tribal areas confirmed that a group led by Haris and operating out of North Waziristan was behind the Kabul attack.

As Dollar Loses Value, Oil Rises Above \$50

By Jack Healy
THE NEW YORK TIMES

The U.S. Federal Reserve’s decision to fire up the printing presses and buy \$1 trillion in debt continued to wash over world financial markets on Thursday, dragging down the value of the dollar and pushing the prices of oil and gold higher.

But on Wall Street, stocks slid into negative terrain, a day after they bounced higher in response to the Fed’s surprise announcement that it would purchase \$750 billion in mortgage-backed securities and \$300 billion in Treasury debt.

Financial shares, which had pulled Wall Street higher on Wednesday, tugged markets in the opposite direction. Shares of Citigroup fell 15.6 percent, to \$2.60, as the banking giant announced a reverse stock split. Bank of America, JPMorgan Chase and Wells Fargo were all lower.

As commodity prices rebounded, shares of companies that produce basic goods like plastics, chemicals and metals moved higher, softening Wall Street’s losses.

Booze. Weed. Whippets. GHB. LSD.

Who makes the rules? IT COULD BE YOU!

Join other students and staff to create alcohol and other drug policy and educational programs at MIT.

Alcohol Policy Committee (EtOH)

Drug Policy and Education Committee

Contact cdsa@mit.edu by April 3rd for more information. Student-administration transparency begins with you.

OPINION

Letters To The Editor

Grad Gala Conflicts with Religious Holidays

The MIT Grad Gala invitation has been pinging into my inbox and, finally succumbing to the relentless assault, I decided to buy a

ticket ... that is until I noticed the date. While I am not generally one to rain on a parade, I am surprised that the GSC did not exercise more care in scheduling.

Regardless of MIT's secularity, the US is still a Judeo-Christian country and I point out that Saturday the 11th of April is both Easter and Passover. Observant Catholics and Protestants will want to attend Vigil Masses, the most

important Christian service during the entire year, and observant Jews, should they choose to attend, won't actually be able to eat!

This is not the case of missing a small minority; rather it is a most disappointing failure of the GSC's elected body and staff to adequately represent their constituents. I hope more care will be taken in the future.

Nevan Clancy Hanumara G

UA Update

Elections, Senate Meeting Updates, and the Dining Proposal Committee

Electronic voting for the UA elections ran from Monday at 12:01 a.m. until 11:59 p.m. on Thursday. Paper ballots are available today from 9 a.m. until 4 p.m. in Lobby 10, and election results should be published tomorrow.

Before the Senate proceedings last Monday, Senate held a town hall style discussion with Dean for Student Life Chris Colombo, followed by a discussion with members of the Institute-Wide Planning Task Force's Student Life Working Group. Dean Colombo mentioned the Division of Student Life's interest in promoting student-alumni relations and emphasized preserving tradition throughout the process of making budget cuts. Additionally, he mentioned that the cuts for fiscal year 2010 have already been made. Muriel Medard, the chair of the Student Life Working Group, requested that students input as many cost-cutting ideas as possible into the Institute-Wide Planning Task Force's Idea Bank. She also suggested that the best way to change decisions made for the 2010 fiscal year, such as the closing of Lindgren Library and the Aeronautics and Astronautics Library, in future fiscal years would be through communicating as many "better" ideas as possible to the various working groups.

During the Senate meeting on March 16, Senate passed a bill allocating Mass CPR \$1500 from the Senate discretionary budget. Students from Course 12 brought a resolution to Senate expressing their concerns over the closing of Lindgren Library. This prompted Senate to discuss whether or not Senate is the appropriate body to evaluate budget-related decisions made by administrators who much more fa-

miliar with the relevant finances. However, Senators did show interest in a resolution expressing the flaws in the process used to arrive at this decision, as they believed it was neither transparent enough nor inclusive of all parties affected. The resolution was tabled until the next Senate meeting on April 6, so that it could be rewritten to emphasize the process involved in making the decision instead of the decision itself.

Last week, the undergraduate representatives on the Blue Ribbon Committee on Dining successfully convinced the rest of the committee and Dean Colombo to release both the dining survey data and the focus group transcripts to the Undergraduate Association so that they can be made available to the MIT community. The data was requested by the bill passed in Senate last week. It will be used to aid the UA Dining Proposal Committee in drafting their report.

Seven members for the Dining Proposal Committee were approved by Senate based on the recommendations of the Nominations Committee. The committee currently consists of Vinayak V. Ranade '09 as chair, Daniel D. Hawkins '12 as vice-chair, Adam Bockelie '11, Lyla J. Fischer '11, Jonathan E. Goldberg G, Allison C. Hinckley '12, and Fangfei Shen '11. The Dining Proposal Committee's first meeting occurred yesterday night. The committee's meetings will be open to the public, and contributions from the community are encouraged. For more information about the committee, please visit <http://ua.mit.edu/dpc/>.

—Elizabeth Denys, UA secretary general



Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Austin Chu, Editor in Chief Nick Bushak, Managing Editor Steve Howland, Executive Editor Michael McGraw-Herdeg, and Opinion Editor Andrew T. Lukmann, Joseph Maurer, and Ethan Solomon.

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

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

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

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

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

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ARTS

CONCERT REVIEW

Manami Morita Earns Encore, Delivers Beautifully

Young Jazz Graduate Impresses at Sculler's

By S. Balaji Mani
ARTS EDITOR

Manami Morita
Sculler's Jazz Club, Cambridge, MA
March 10, 2009

Manami Morita, a fresh graduate from the Berklee College of Music, celebrated the release of her CD *Colors* last week at Sculler's. A young girl from Japan, Morita made her way to Berklee by impressing enough important people with her piano skills — and earning a full scholarship to get her degree in composition. Her short stature says nothing about her sound — when she sat down at the keys she pounded out song after song, flattening the audience with her speed and smooth directions towards her band members.

She opened with a bubbly tune, written as a tribute to her pet bird. Between songs, Morita was casual and fun, telling jokes to the audience. The next song in the set, an original called “Jungle Book,” was written for the Disney movie of the same name even though she admitted that she'd “never even seen it.” The audience's laughter spilled into the first few measures of the fiery number, which showcased Morita's lightning-speed finger work.

Though she's clearly the leader of her trio, Morita decided to also perform a song written by her trusted friend and bass player, Zak Croxall. Also joining her on stage was drummer Bob Edinger. After a few tunes, the band

stepped out to invite guitarist Randy Runyon on stage. Morita and Runyon performed a gorgeous duet, “Catch,” written by Runyon. The red-headed guitar player impressively floated across the neck of his instrument, and Morita improvised lightly in between rich, composed passages. Morita followed the piece with her own song, “Catch The Pandu,” whose title refers to an illegible label on a studio soundboard during a session she recorded with Runyon (the “R” and “Y” in Randy fell victim to unintentional smearing).

The original band returned to finish up the set, which included most of the songs found on Morita's latest CD. Throughout the show, Morita kept humorously referring to her debut

record, politely urging the audience to purchase it after the show. The show was a milestone for Morita, as it was her first show headlining at a major jazz venue. She had played one song at a competition at Sculler's a while ago, and struck a deal with the club owner's to organize her CD release show. After the show, Morita was candid enough to speak to me about her music and about her status in the jazz world. “I'm not doing anything new,” she recognizes, “but I love what I'm doing.” She agrees that her style is mainly rooted in the traditional jazz domain.

Being Japanese, a female, and playing technically sound, fast piano music, it's hard not to compare her to the much older, also Berklee-bred Hiromi Uehara. When I asked



S. BALAJI MANI—THE TECH

Randy Runyon, Zak Croxall, and Thomas Hartman all joined Morita at Sculler's last Tuesday. The gig also marked the release of Morita's debut CD, *Colors*.

if she liked being compared to Uehara, Morita grinned. Though she much prefers the music of Brad Mehldau, she says that she's also influenced by Uehara's music (though claims that it's a bit more progressive and virtuosic). “I once had the chance to meet Hiromi,” she recounts; Uehara in fact came to Berklee after a local gig looking for Morita. The story goes that Uehara publicly expressed interest in hearing Morita play, but against the greater interest of a crowd that was standing by, Morita declined the offer to play. She later told me that had it been an more intimate setting, in a practice room, that she probably would have played for Uehara.

On the heels of her new release and her

successful show at Sculler's, Morita is a young jazz star with incredible momentum and potential. In addition to leading her trio, she's also equally likely to play solo shows. Her interest in traditional jazz and swing pushes her to continue arranging for big band (though she doesn't think she'll ever lead a big band permanently). You can purchase *Colors* at <http://cdbaby.com/cd/manamimorita>, but unfortunately it doesn't contain the stunning version of Herbie Hancock's “Cantaloupe Island” that the group closed with last week. The audience applauded Morita into a solo encore that she played with a big smile on her face, her bandmates watching proudly from the side of the stage.

MOVIE REVIEW ★★★★★ / 4

‘Duplicity’ Reveres Spy Films of the Past

Julia Roberts Makes Espionage Sexy

By Maggie Liu
STAFF WRITER

Duplicity
Written & Directed by Tony Gilroy
Starring Julia Roberts, Clive Owen & Tom Wilkinson
Rated PG-13
In theaters today

I predict *Duplicity* to be another blockbuster hit. It boasts a stellar cast, the director of the *Bourne* series and *Michael Clayton* and, on top of all that, is an espionage movie. If well-known stars like Julia Roberts and Clive Owens weren't enough, the film exploits the age-old affections towards spy movies.

The film, like its leading actress, is both sexy and smart. Although directed by Tony Gilroy, *Bourne* fans may be disappointed by the lack of intense action scenes. It only makes sense though. In its truest form, *Duplicity* is not an action film, and it's perhaps too cynical

to be an authentic love story. It is, however, witty and clever. The plot plays tricks on the audience and elusively reveals its full form only at the very end. The overarching theme of the film is an interplay between truth and deceit, carried through the actions and reactions of two people embroiled in lies and the consequences of their relationship.

The backdrop of *Duplicity* is a corporate battle between two prominent company heads, impassive and bonsai-trimming Howard Tully (Tom Wilkinson) and tantrum-prone Dick Garsik (Paul Giamatti). A battle in the business world arises when Tully releases news of his preparation of a secret formula for a product. Claire (Roberts), an ex-CIA officer and Ray (Owens), an ex-M16 agent enter the

scene as corporate spies. While posing for the respective companies, the two are actually in a scheme to obtain the product for themselves and secretly sell it to the Swiss. While the two CEOs go to head to head, the romantically entangled spies plan for the story of the century.

The film oozes with sensuality without being vulgar and the banter alone between the two characters is enough to move the film forward. Both characters, experienced in the industry of espionage find each other untrustworthy. Ironically, they are also extremely understanding of one another, due to their similar backgrounds. The tension in the film is almost stifling at times, and the cat and dog interactions between Ray and Claire are both enter-

In its truest form, ‘Duplicity’ is not an action film, and it’s perhaps too cynical to be an authentic love story.

taining and exhausting. It's literally fight, kiss, and make up, except on repeat and in various exotic locations.

Despite their ages, both Owen and Roberts still possess the charisma and sensuality of their younger counterparts. Owen, even well in his middle age, can still make any girl swoon with his intense blue gaze, and Roberts plays it effortlessly sexy. The chemistry between the two is astounding and may cause the faint-hearted to blush profusely.

The film is a must for those who want to keep guessing until the very end. Although the plot itself is not very complex, the film is detailed, intricate and more multi-layered than many realize. Although *Duplicity* intentionally pays homage to classic spy films with its quadra-panel transitions and James Bondesque music, it is much more than just a spy film.

For fans of *Ocean's Eleven* and *The Departed* or those who enjoyed both Roberts and Owen in *Closer*, *Duplicity* is a must see.

RECITAL REVIEW

Elisabeth Hon Hunt G Delivers Terrific Performance

Emerson Fellows: Not Just Engineers

By Sudeep Agarwala
STAFF WRITER

Elisabeth Hon Hunt, Soprano
Killian Hall, MIT
March 13, 2009

Elisabeth Hon Hunt G performed a recital of works largely from the early twentieth century *fin de siècle* as part of MIT's Emerson Fellowship Recital Series on March 13, 2009. Her performance was virtuosic in both technique and musical understanding. The recital began with a piano reduction of Richard Strauss's *Grossmächtige Prinzessin...Noch glaub' ich dem einen ganz mich gehörend* (Pei-Shan Lee, piano), a thrilling dramatic aria from *Ariadne auf Naxos*. Although a bit tentative at first, Hunt's performance warmed into nothing less than the acrobatic bravura music offers, gracefully

careening through Strauss's hair-raising feats with sparkling tone and devastating ease.

Debussy's *Sept poèmes de Banville* was nothing short of stunning. Debussy's impressionistic student compositions are in stark contrast to the showiness of Strauss's opera; while Strauss's work was demanding in its almost flamboyant technique, Debussy's work is far more internalized and emotionally driven. Hunt's performance, however, was striking for her energy and her pristine technique.

Friday's recital closed with Schubert's *Der Hirt auf dem Felsen*, Op. 129, for voice, piano, and clarinet (Daryush Mehta, SM '05). One of Schubert's later works, the *lied* is composed in three major sections, each distinct from one another, that lead the audience through longing, sorrow, and, ultimately, joy. A redeeming work, the piece was previously performed by Hunt at the memorial service of late MIT

Biology professor Vernon Ingram, but it was still moving to hear during her recital; it's unusual to hear such diversity in a single piece, and it's much more unusual to hear it tackled with such natural ease.

It was non-trivially impressive to attend Elisabeth Hunt's performance on Friday, not only for its musical merits (performances of this quality are usually reserved for recitals at musical conservatories), but also accounting for Ms. Hunt's academic endeavors in pursuing a doctorate in Electrical Engineering. MIT's Emerson Fellowships provide serious musicians an opportunity to pursue their musical interests while studying at MIT, and Friday's recital was only a testament to the program's success in this endeavor. A four-time recipient of this fellowship, Elisabeth Hunt is a major contributor to music at MIT, performing not only as an Emerson Fellow, but

also with the MIT Chamber Chorus and MIT Chamber Music Society. The series continues with Lindy Blackburne, piano (March 20), Sarah Rumbley, piano (April 1), and Sherman Jia, violin (April 17).

International Championship of Collegiate A Cappella

Tomorrow, MIT Resonance hosts the ICCA Northeast Semifinal tournament at Kresge Auditorium, 8 p.m. The MIT Chorallaries will compete against seven of the best a cappella groups in the country! Tickets can be purchased online at www.varsityvocals.com.



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MOVIE REVIEW ★★★★★ / 4

Reviving the Rock-afire Explosion

The Band’s Gonna Make It

By Charles Lin
SENIOR EDITOR
The Rock-afire Explosion
Directed by Brett Whitcomb
Written by Bradford Thomason
No Rating
Showing this weekend at Kendall Theater

Do you remember the Rock-afire Explosion? Think back to Showbiz Pizza Club or Chuck-E-Cheese. They’re the animatronic band behind the curtain in the big room where you ate crappy pizza. You sat spellbound, soaking up the noise and music, all the while trying to scheme up ways to extract more tokens from mom and dad. On stage, the really scary life-sized gorilla played the keys and the one-toothed bear sang kid songs.

I remember birthday parties for some neighborhood kid. We’d sit, eat, and watch the band. I liked how they danced. The canine drummer flapped his ears to the beat. I remember the lights. I remember sipping flat soda.

But then I grew up.

That was the last I saw of the Rock-afire Explosion. I grew up and forgot about the animatronic band at the pizza place, that is until last summer, when a friend pulled up a video on YouTube. There they were: the gorilla, the bear, the wolf, and the drumming dog. Only instead of playing some kids tune, the band had been choreographed to Usher’s “In The Club.”

The performance was mesmerizing. It was also incredibly disconcerting and subversive. It felt as if Usher and a bunch of robotic animals were perverting my childhood. But I couldn’t stop watching. It was like being a kid again, sitting in Showbiz Pizza Club.

The YouTube clip ended and another story began.

This is the story of a 20-something engineer named Aaron Fetcher and his meteoric rise to the top of the animatronic music entertainment world (let that one sink in). This is also about 31-year-old Chris Thrash, a regular guy from rural Alabama who chased his childhood dreams (and just happened to like the Rock-afire Explosion a lot more than everyone ever). It’s a story about bringing the band back together, and it’s captured in the new documentary *The Rock-afire Explosion*, premiering this weekend at the Boston Under-



COURTESY OF THE ROCK-AFIRE EXPLOSION

An animatronic gorilla is just a fraction of the fun found in *The Rock-afire Explosion*.

ground Film Festival.

The movie begins in the early 2000s. The Rock-afire Explosion has largely been forgotten. Aaron Fetcher, creator of the band, wistful of his legacy, has moved on with his life.

Only this is the 2000s, and on the Internet you find people of all walks. Some of these people never forgot about the Rock-afire Explosion. They made a website and formed a small intense online fan community built around their mutual love of rocking robots in animal suits.

One of these fans, Chris Thrash, loved the band so much that he contacted Aaron Fetcher about getting himself in the Rock-afire Explosion. After one life savings blown and a few hundred hours programming and debugging, music videos of current hits performed by the Rock-afire Explosion began appearing on YouTube.

The videos were a hit, some of them generating millions of views. All of a sudden, the Rock-afire Explosion had been brought back from the cobwebs of a million childhood memories.

The Rock-afire Explosion captures this rebirth from the perspective of Thrash and the

other die-hard fans, but it also weaves in another story — the rise and fall of Aaron Fetcher, who in the early 80s at the age of 27 owned a multimillion dollar company with hundreds of employees that produced the Rock-afire Explosion. The film retraces the company’s path from boom to bust and finds Fetcher twenty years later in sole possession of the Rock-afire legacy. The company warehouse is abandoned, a mausoleum of the 1980s gathering dust. Old Rock-afire robots melt and wither.

It is from these ashes, this perfect foil for childhood exuberance, that the film takes its greatest strength. It’s a moving story of a second chance for a once loved, but long forgotten band and their creator. It’s a story about a group of fans trying their hardest not to grow up. The Rock-afire Explosion is an exultant and celebratory documentary of people finding happiness in strange places. It’s the story of bringing the band back together for one more show.

The Rock-afire Explosion will be showing this weekend at the Kendall Theater as part of the Boston Underground Film Festival. More information can be found at www.rockafiremovie.com.

CONCERT REVIEW

Collegium Musicum Performs Moravec Without Heart, Martin without Soul

Not Old Enough for ‘Reverence’ nor ‘Reflection’

By Sudeep Agarwala
STAFF WRITER
Harvard-Radcliffe Collegium Musicum
Jameson Marvin, Conductor
Sanders Theatre, Harvard University
March 13, 2009

Harvard-Radcliffe *Collegium Musicum*, under the leadership of Jameson Marvin in Harvard’s Sanders Theatre, provided an extremely challenging program at Friday night’s concert, rightly entitled “A Concert of Reverence & Reflection.” The evening’s performance began with Frank Martin’s *Messe für zwei vierstimmige Chöre*, and concluded with two newer works after the intermission: Michael Schachter’s (‘09) *Oseh Shalom Bimromav* and Paul Moravec’s (‘80) *Songs of Love and War*.

It’s hard to have asked for anything more from the chorus and orchestra: the ensemble produced a rich, almost perfectly-blended sound, reminiscent of the Iowan or Minnesotan (perhaps it’s easier to group these as simply Lutheran) choral traditions that welled and washed over the odeum of Sanders Theatre in deeply satisfying ripples. And it’s this sound that was essential for Friday evening’s music. If it’s possible to imagine, Martin’s *Messe* straddles a space somewhere between Gregorian chant, Bach chorale, Poulenc motet and vocal jazz ensemble. Schachter’s and Moravec’s works took full advantage of the rich string orchestra imitating and augmenting the rich choral texture. The trumpet part in Moravec’s work, in particular, resounded in solemn waves throughout the auditorium. Sumner Thompson

too, the baritone soloist for Moravec’s work, deserves special mention. Thompson’s ponderous voice filled the space in a way only the rarest of voices can.

But regardless of the performance, it’s difficult to reconcile the music that was performed with the ensemble. Schachter’s work, interesting in its representation of Hebrew prayer in the more traditional Western tonal world, seemed compositionally unsound. In his own words, the work was “[...]informed by the techniques of such masters as Ockeghem, Schütz and Brahms[...],” and too often felt like just that: a hasty amalgam of student exercises, hopping between imitations of each of these composers with no real synthesis or narrative.

Or Moravec’s work — a setting of a collection of written correspondences from various American wars (Vietnam, World War I, World War II and the Civil War) was almost certainly a disservice to the memories of the authors. For instance, *Don’t Ask (Vietnam War, 1966)*, a letter from a soldier asking people back home not to ask about the war, began with a stately trumpet call that, despite how much I would have liked it to echo the pomp and gravity of Copland’s *Fanfare for the Common Man*, quickly dissolved into something much more like the theme from *Star Trek*. Or perhaps *Always (Civil War) Camp Clark, Washington, July 14, 1861*, a touching love letter, that, although moving as a text, acquired the saccharine Broadway twinge of Andrew Lloyd Weber in the hands of Mr. Moravec. The complaint isn’t one of competence or ability, but rather one of cursory understanding and hasty thought. Moravec’s work, by its very *raison d’être*, should have strived to honor the memo-

ry of the texts and their authors instead of using them to pander to the lower emotional needs of his audience.

But even then: what if Moravec had utilized a denser, theme-appropriate musical language?

This was perhaps the problem with Martin’s *Messe*, a work that is known for its austere, personalized understanding of faith and religion. Frank Martin, after completing the work in 1922, reserved publication until 1963. Martin wrote: “I did not want it to be performed — I considered it — as being a matter between God and myself.” “I felt that an expression of religious feelings should remain secret and removed from public opinion.” And perhaps this, in itself, is an argument for developing a musical maturity prior to performing the work. Certainly, *Collegium Musicum* performed the piece with a well-trained sense of tone and blend. But melismatic passages lacked line and motivation — mere snapshots of counterpoint. Martin’s tempo markings and dynamic contrasts were barely acknowledged in Marvin’s largely *mezzo forte* march through the piece. The choir seemed bored with the music.

This is understandable: it takes maturity to be able to perform Martin’s *Messe*, and it isn’t obvious that a college choir (or many people, for that matter) have developed the understanding necessary to interpret the work. Marvin’s rushed, fairly homogeneous performance of this intensely personal work is evidence of this very fact and begs the question of whether a college choir is even able to perform an entire concert of reverence and reflection on any meaningful level.

INTERVIEW

The Masterminds Of ‘The Rock-afire Explosion’ Speak Out

Answers from Writer Bradford Thomason and Director Brett Whitcomb

By Charles Lin
SENIOR EDITOR

The *Tech* caught up with the writer and director of *The Rock-afire Explosion*, getting a closer glimpse of the duo’s documentary and the madness behind those crazy robotic animals.

TT: What were your first reactions when you saw the new Rock-afire videos on YouTube?

BW & BT: Our first reactions were confusion and nostalgia. We remembered The Rock-afire Explosion and Showbiz Pizza, but really hadn’t thought about either in years. It was beautiful but odd, because we had no idea people still had these things. Once we saw the clips, we did a search for more videos by Chris Thrash and found one in which he explains the programming process. Despite the fact that he was too “camera shy” to show his face, his southern drawl and earnest presentation sparked our curiosity. “Who is this guy,” we wondered. “How did he get this... thing?” We had to find out.

TT: Why should we care about an animatronic rock band from almost 20 years ago?

BW & BT: In some ways we wondered the same thing early on. I mean, we remembered it, but we didn’t love it like the fans in the film do. Flash forward several months and it became clear to us that The Rock-afire Explosion was really special to a lot of people. And even for those who don’t worship at the altar of animatronic rock, the spectacle is enough. Entertainment has changed so much, and kids seems content with digital screens, CGI, and interactive television. The Rock-afire Explosion is so much more than that. It’s not just a relic from the past; it’s a reminder of a time when children’s entertainment was more tangible, more imaginative.

TT: Both of you are students in the Houston area and the film was shot on a limited budget. What were some of the challenges and rewards of making this documentary?

BW & BT: It was certainly tough at times, traveling on our own dollar. It helps to take chances and do things you’re not sure about. So much of film making is instinct and money isn’t always necessary to get things done. It certainly helps, but if you can do without it, the prospect of doing something without funding becomes that much more exciting. Plus, this way, we can make the film we want without compromise. That’s the real bonus of working without funding.

TT: In the film, the prototypical Rock-afire Explosion fan is in their late 20s, and spent their childhood at Showbiz Pizza. Are you in that demographic? Do you think the film uniquely resonates with people of that era? How do people who have never seen Rock-afire react to this film?

BW & BT: We are all in our late 20s, early 30s and we do believe the film resonates with people of our generation. If you remember The Rock-afire Explosion, this will be a special treat. However, it is important to us that the film connect with people who have never been to or even heard of Showbiz Pizza. This is why we made it a human story, and not just a “Rock-afire history lesson.” So far, people from all walks of life have connected with the film. We’re very pleased. More than an “80s nostalgia film,” we think “The Rock-afire Explosion” speaks to more universal, eternal quests for childhood and imaginative youth. But, really, it can speak to whatever the viewer sees. Sure there is nostalgia — that’s what keeps it fun and colorful — but we like to think there is much more than that. The film also has a strong human element without manufacturing or embellishing drama. That’s what we hoped to achieve.

by Michael Ciuffo



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44 Stephen of "Fear Dot
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45 Mrs. in Mexico
46 Harden
47 Cheri of "SNL"
49 Speechify
53 Goof
55 Snooze
57 "Saving Private Ryan"
extras
58 Chance it, with caution
63 Member fees
64 Met production
65 "Picnic" playwright
66 556 in letters
67 Writer Jones
68 German river
69 Wide shoe

- 1 Banned big bangs
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- 31 Sib of a sis
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- 37 Carson's predecessor
- 38 Perspicacious
- 39 Use veto power
- 40 Go get
- 41 NFL prop
- 42 Figurative use of a word
- 47 Mork's planet
- 48 Lined up
- 50 Committee list
- 51 Slight degrees of color
- 52 Aromatic compounds
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by Daniel Klein-Marcuschamer

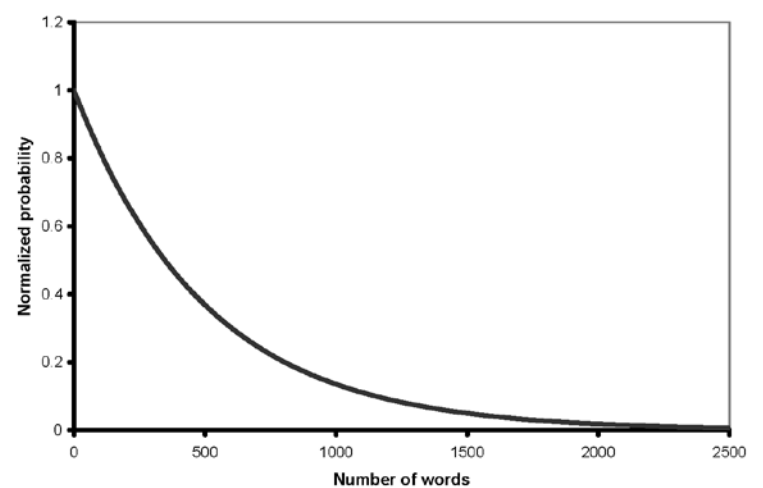
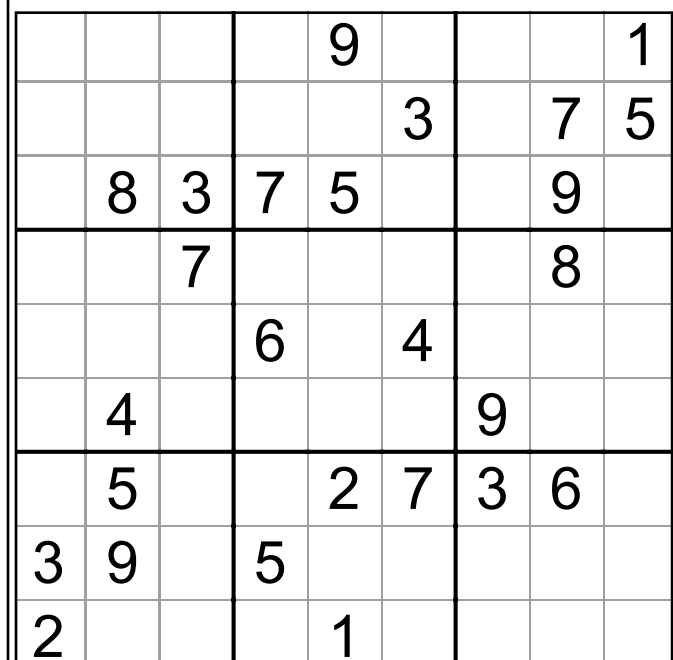


Figure 53. The plot shows the probability that a person will continue reading a scientific publication after a certain number of words; the probability shown is normalized to that of the person reading the title. For example, only about 38% of the people who read the title of a publication will read more than 500 words. This suggests that (i) scientists value their time more than thorough knowledge of a subject; (ii) writers must convey most of the important information in a few lines (mainly in the abstract); and (iii) the fraction of unread material in a scientific publication grows as its total length increases. Observation (ii) may explain, at least partly, why doctoral students cannot sustain a high enough level of motivation while writing their theses. (Visit <http://pseudocomic.blogspot.com>)



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Help Desk

by Michael Benitez

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with Michael Benitez

$\oint \vec{E} \cdot d\vec{A} = \frac{q_{en}}{\epsilon_0}$

Gaussian Surface Man

Michael Benitez 3-20-09

IT'S NICE TO IMAGINE THAT ELECTRONS MOVE QUICKLY THROUGH A CONDUCTOR IN A FIELD.

UNFORTUNATELY, THE REAL WORLD SUCKS. THEY CRASH INTO EVERYTHING, RESULTING IN A VERY SLOW DRIFT.

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AN ELECTRIC FIELD WILL PROPAGATE THROUGH THE CORD AT CLOSE TO THE SPEED OF LIGHT...

THE ELECTRONS WON'T MOVE NEARLY THAT FAST, BUT SINCE THE CORD IS JAM-PACKED WITH THEM, YOU CAN BE SURE AN ABUNDANT STREAM OF ELECTRONS WILL START POURING OUT THE OTHER END...

$\frac{dq}{dt} = I$

Note: People are hard to draw from above :(
AAAAAA!

...JUST AS PEOPLE CAN'T TRAVEL AT THE SPEED OF SOUND, BUT THE FLUX OF THEM THROUGH BUILDING 7 WOULD BE SPECTACULAR.

...IN THE SAME WAY A ZOMBIE MOAN WOULD TRAVEL THROUGH A HALLWAY.

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For Some Students, ROTC Is a Way To Achieve Their Childhood Dreams

ROTC, from Page 1

think helps MIT foster creativity and put out some really good cadets as opposed to giving this rigid mentality that’s not really helpful.”

Nathaniel E. Keegan ’12 is one of six students in the Naval ROTC Marine Option. He says he notices a big difference between his military high school and the MIT program.

“I’m now working with really motivated people that all want to become officers. [At my high school,] we had problem kids and kids who didn’t want to be there. It’s relieving just to be around people who are really pumped up for what they’re doing and definitely have a lot of initiative.”

From math to military history

On top of their MIT workloads, ROTC students must take military science classes and participate in physical training. Freshmen and sophomores are taught to march, salute, and use a compass. They take classes in military history and customs. Junior and senior classes cover leadership, foreign relations, and how to work in squads.

Once a week, ROTC students must wear uniforms around campus. Shined shoes; short, neat hair; and wrinkle-free uniforms are just some of the guidelines for men. Women follow a similar code. They must also keep their hair above their bottom collar. They can’t wear dangling earrings.

Kristin J. Jochems, a senior from Wellesley and Air Force cadet, isn’t bothered by the stares she occasionally gets. “I have had civilians and veterans come up to me and comment how wonderful it is to see a woman in uniform.”

Of the 34 students in Air Force ROTC, Jochems is one of eight fe-

male cadets. She will be the first in her family to join the military and plans to work for the FBI or CIA one day.

She says her family was apprehensive at first. “My mom was nervous,” Jochems said. “She was convinced that I was going to end up in Iraq shooting bad guys.”

But Jochems will be serving as a Air Force Intelligence Officer, a job that will keep her away from the firefights. Her role will be to gather and analyze data, such as sounds and images, and relay them to the right people.

“The odds of me being on the ground in Iraq with a gun are very slim. Once I convinced my mother that I’m probably not going to be kicking down doors, she calmed down a little bit.”

Jochems is currently the Public Affairs Cadet Officer within the Mission Support Group of AFROTC, and has to commute to MIT from Wellesley by car two to three times a week for her leadership lab and aerospace studies class.

Just like any other Air Force cadet, Jochems spent her summer after sophomore year at Field Training, the Air Force ROTC’s version of boot camp. The training is supposed to evaluate cadets as leaders under pressure and train them for active duty. Jochems said that it was tough, but definitely worth it.

“You’re tired, and you’re sore, and you’re being yelled at. That last day of Field Training when you realize ‘I just did it, I made it through military boot camp’ is really rewarding, and I think that’s a big moment of pride for a lot of cadets.”

Careers after ROTC

For some students, ROTC is a way to realize childhood dreams.

Nathan Elowe, a Junior at Tufts and an Air Force cadet with MIT’s ROTC program has wanted to fly ever since reading “Peter Pan” as a kid. He names fighter jets like he’s giving a grocery list.

“F-16, F-15, A-10, F-22 — I want to fly a lot,” he said.

Keegan too, has been wanting to fly since forever. “One of my earliest dreams was to go to the Naval Academy, become a fighter pilot in the navy, all that fun stuff,” he said. “With any luck, both God and President Obama willing, I hope to fly F-35s. That’s a long shot in and of itself, and it all depends on what the Marine Corps needs. Whatever I end up doing, I’ll serve as best I can.”

Moyer, on the other hand, would like to stay on the ground. A double

major in Courses 2 and 17 and an Army ROTC cadet, he plans on combining his MIT degree with his interest in tanks. “Mechanical Engineering gives me the mechanical background to understand how [tanks] work and political science helps me understand how they would be implemented,” he said.

Moyer enjoyed reading about military history at a young age and found a special interest in these giant vehicles that would battle along the Eastern Front of World War II. Now, his goal is to join a high tech division in Colorado, where he could be in charge of a platoon of armored vehicles.

There is downtime for the ROTC students, too. Every spring, Army, Navy and Air Force host a formal ball.

On March 6, students and their dates gathered at the Hyatt Regency for a evening of food and ceremony. After the color guard’s presentation of the colors, the assembly offered their formal toasts to the colors, the commander-in-chief, and chiefs of the specific services.

One of the tables in the room was empty, a tradition to remember those missing or captured in battle. The glasses were turned over and salt was sprinkled as a symbol of the tears shed by families for their lost sons and daughters. A single red rose in a vase signified the blood shed — the ultimate sacrifice for one’s country. For the entire dinner, the POW/MIA table remained in the center of the dining room as a solemn reminder.

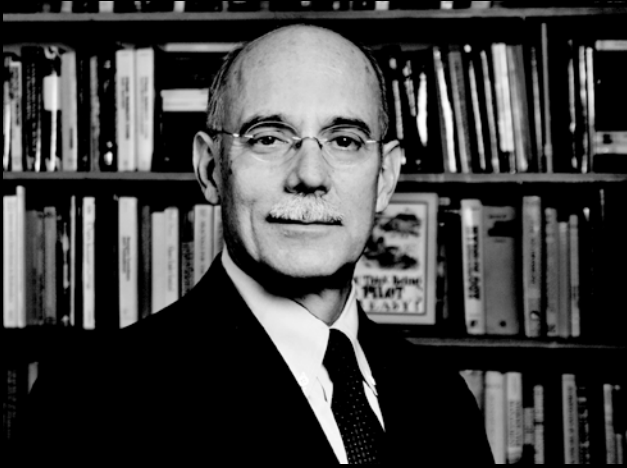
A Crash Course in ROTC Terminology

- ROTC - Reserve Officer Training Corps
- POW/MIA ceremony - commemorates Prisoners of War and those Missing in Action
- Mess - a general assembly
- PT - Physical Training; takes place 1-3 times a week, depending on the service
- Cadre - officers and enlisted staff of the Air Force, Army, and Navy in building W59
- Mil Ball - short for Military Ball
- Cadet - a student in Air Force or Army ROTC
- Midshipman - a student in Navy ROTC
- Jodies - songs sung during marches

37th Annual

James R. Killian, Jr., Faculty Achievement Award Lecture

Planet Water: Complexity and Organization in Earth Systems



Rafael L. Bras

Professor

Department of Civil and Environmental Engineering, MIT

Dean and Distinguished Professor

Civil and Environmental Engineering

The Henry Samueli School of Engineering

University of California, Irvine

Monday, March 30, 2009

4:30 pm

Steven and Michèle Kirsch Auditorium

Room 32-123

The Ray and Maria Stata Center



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APRIL 11, 2009

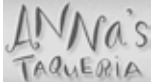


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gsc.mit.edu/gradgala







MIT Grad Gift

Online Repository to Be Based On MIT's Open DSpace Platform

Open Access, from Page 1

dustry have worsened over the past two decades.

Director of MIT Libraries, Ann J. Wolpert, said “[O]ver the last 15 years, much of scholarly publication has migrated from small societies and associations who had close relationships with researchers in their specific disciplines to a situation where those journals are owned by large international conglomerates — publicly owned in many cases — where the motivation for publishing is to return a margin to shareholders.”

This trend, said Wolpert, has created a situation in which “the way faculty teach and conduct research is greatly at odds with the business models of publishers ... Publishers seek to maximize profits by exercising maximal control over [authors’] work, while authors seek to advance research and education.”

As publishers have tried to exert more control over articles, they have raised subscription rates at a rate that far outstrips inflation: in 2007,

MIT Libraries spent about three-and-a-half times as much on journal subscriptions than it did in 1986, according to statistics supplied by Ellen Finnie Duranceau, a scholarly licensing and publishing consultant for MIT Libraries.

The resolution, Wolpert said, “is an attempt to get a better balance in the system.”

Implementation details

The Provost’s Office, with the Faculty Committee on the Library System and the Libraries, will be in charge of implementing the policy. They will build and manage the repository for open access articles online.

MIT will not have to spend money on creating the online repository: it will build on DSpace, the platform developed at MIT for collecting PhD dissertations online. Currently there are no plans to hire staff to support the effort to collect and disseminate articles. Current Libraries staff will assist faculty in negotiating contracts with publishers in light of the new policy.

Wolpert said she expects that workflows for submitting and publishing articles online will be implemented no later than June, but could

be put in place earlier. Duranceau, who will be working with faculty to arrange contracts with publishers, said that the extent to which MIT’s new policy will force a change in practices vary from firm to firm. “A lot of publishers do allow finalized peer-reviewed manuscripts to be posted in repositories,” said Duranceau. Other publishers allow articles to be freely distributed after a specified amount of time.

Are we there yet?

Faculty and staff behind the policy describe the resolution as a first step toward a more satisfying relationship between academics and journals.

“It’s going to take a while to work things out,” said Abelson. It will take more universities placing pressure on publishing companies to force them to reform, said Abelson, because “Even though MIT, Harvard, and Stanford are big places in terms of the amount of published papers, in the world of research, they represent a small fraction of published papers.”

And, faculty may still opt out of the open access agreement since in some cases it remains unfeasible to negotiate with publishers on these terms.

Police Review Panel Won’t Include Students

Police, from Page 1

experienced an incident like this.”

In a joint statement, DiFava and Kirk D. Kolenbrander, vice president for institute affairs, said “This is a very serious matter. Openness of communication is of fundamental importance at MIT. Free and open distribution of *The Tech* is very much within that value, and has to be treated with the highest seriousness and sensitivity.”

“I can’t emphasize how seriously we take this,” DiFava said. “This was incredibly egregious,” referring to the newspaper theft.

Police union officials said that the two suspended officers made a mistake, but should be allowed to return to work.

“They’re both great guys,” said David Smith, vice president of the union. “We don’t believe they deserve to be fired,” he said.

West said both officers have “unbelievable track records,” and that both have been with the MIT Police for over ten years, and have families to support.

“All we can do is apologize,” West said. “We’re going to work harder to make the trust come back from the students, the faculty, and the staff,” he said.

Students seem forgiving

Students seem to think that the theft incident didn’t deserve major punishment.

Daniel D. Hawkins ’12 said that this “only fuels the distrust that the MIT community feels for the Police,” but that “suspension without pay for a while would be an appropriate punishment.”

Manuel Cabral ’12 said that “relations are pretty strained. It would be nice if we could get along better. We can work things out. Giving them a second chance would be better than saying ‘you can’t have your job.’”

Police review panel will form

In response to D’Amelio’s arrest, MIT is forming a review panel to “investigate the arrest and its ramifications,” according to a statement released Thursday by Executive Vice President Theresa M. Stone SM ’76.

The panel will consist of “experienced, respected, objective individuals,” and will report to President Susan J. Hockfield and Provost Rafael L. Reif. “Ensuring the safety of MIT’s students, faculty, and staff is MIT’s paramount concern,” the statement said.

The panel will not include students, Kolenbrander said.

E-mail of the Week*

In an e-mail Wednesday to reuse@mit.edu, the popular campus list where valuable surplus items are regularly given away for free, Mark A. Finlayson G offered:

“Small wooden statue of Ghandi, 8.5”, high, kind of looks like this:



except no gold, a longer cape, and it has a base. Detachable walking stick. Sort of like an action figure for the third world.”

Gandhi was gone in half an hour.

* E-mail of the Week quotations are used with permission.

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

Solution to Sudoku

from page 8

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

Solution to Crossword

from page 8

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

SMART

SMART Postdoctoral Research Fellows Programme

The Singapore-MIT Alliance for Research and Technology (SMART) is pleased announce the establishment of the SMART Postdoctoral Fellows Programme. These awards will provide a unique opportunity for recent Ph.D. graduates to participate in the Singapore-MIT Alliance for Research and Technology (SMART) Centre in Singapore, and to become founding members of an alumni network that we anticipate will continue to evolve and expand over the years. The awards, to be given annually, are open to those with less than three years postdoctoral experience and provided they have received their doctoral degree by September 1, 2009. In addition to a competitive salary, the award will provide both a research grant and a travel allowance. The fellowship recipient would be able to conduct research of his/her *own choice* in Singapore within, but not necessarily tied closely to a current project in one of the three existing SMART Interdisciplinary Research Groups¹ (IRGs). It is anticipated that the recipients will take up their appointments at SMART by September 1 2009 or earlier.

For more information about the IRGs and the MIT faculty participants, please view the SMART website at <http://web.mit.edu/smart/>

AWARD

The Awards provides an annual grant of up to S\$85,000 in salary, S\$40,000 for research expenditures, and a travel allowance of up to S\$5,000.

APPLICATION PROCESS

Applicants should submit by May 15, 2009:

1

Curriculum Vitae not to exceed 2 pages.

2

Complete list of publications. Also, please include one copy each of not more than three of your publications that you consider to represent your best work.

3

A description of the research project you propose to conduct at SMART, including some background/context, technical approach and expected results (no more than two pages).

4

Indicate the SMART Interdisciplinary Research Group in which you would like to conduct your research.

5

Indicate the MIT faculty member who you feel could best provide mentoring and guidance for your proposed research topic.

6

Provide a brief description of why you want to conduct your research at SMART in Singapore. Include some indication of how the proposed research might benefit from being conducted in Singapore, and/or how it might promote collaboration between faculty members from MIT, the National University of Singapore (NUS) and the Nanyang Technological University (NTU).

7

Describe your long-term career goals and the role of this postdoctoral experience in achieving them, including future plans for collaborative activities (no more than ½ page).

8

Provide three professional references. One must be from your doctoral supervisor and the other two from persons qualified to comment on your scholarly achievements.

9

Please provide the selection committee with any additional information that you feel will be helpful to the committee in assessing your application.

Applications should be submitted electronically to jsales@mit.edu and are due May 15, 2009.

¹ Infectious Disease, Environmental Sensing and Modeling, and Biosystems and Micromechanics.

SPORTS

Skating Club Holds Exhibition

MIT and Boston Area Skaters Perform to Various Musical Pieces

By Wendy Chen
TEAM MEMBER

On Saturday, March 14th, 2009, the MIT Figure Skating Club (FSC) held its annual club exhibition at the Johnson Ice Rink. This show was coordinated by group lesson instructor Susan Alpert; Esther Horwich '77 was the show's emcee. This year's show featured many group, solo, and duet performances by club and local skaters and had an audience of around 200 people.

Some MIT affiliates who skated in the show for the first time include Paul Berube (postdoctoral associate), Jose Correa G, Lineth deBarnett, Katherine J. Fang '12, Giorgia Fortuna G, Zaira Garate '11, Reguli Granger '12, Shawn Pan '12, Noa Rensing '86, and Carla Rivas G. Some of the guest skaters from the

Boston area include Marina Barova, Kevin Han, Teri Harte and Ian Macadam, Janelle Maddaleni, Alina Milevska, and Curran Oi.

The opening number of the show featured 28 club skaters, who skated to "Do You Love Me" by the Contours. It was choreographed by Diane Brancazio '90. The theater on ice team, which won gold at the Skating Club of New York exhibition last month, was coordinated by Jessica A. Eisenstein '06. They skated to music from *Chicago's* "Cell Block Tango." Besides the MIT theater on ice performance, there were two other theater on ice performances — Act 1 of Boston Theater on Ice and Pizazz Theater on Ice. Both groups have MIT-affiliated skaters. Aubrey L. Samost '10 is a member of Act 1 of Boston, which skated to music from the musical *West Side Story*. Diana S. Cheng '04 is part of the Pizazz team, which performed to mu-

sic from the movie *Star Wars*.

Besides the opening number and the theater on ice performances, there were other group performances, including the Canasta Tango (Preliminary level dance), Swing Dance (Bronze level dance), and Foxtrot (Pre-Silver level dance). These group ice dances were coordinated by Susan Alpert, Esther Horwich, and Kate McDermott, all FSC instructors. There were also free dance programs performed by Cheng and Mickey Barry, both registered skating coaches, and by Susan Alpert and Alex Landsman, FSC club instructors.

Others who performed solo programs at the exhibition include current students Kristina K. Brown '09, Annie Ouyang '11, Aubrey L. Samost '10, and David M. Wentzlaff G and alumnae Diane M. Brancazio '90, Cheng, Eisenstein, and Ruth Y. Shyu '88.

The Tech's Athlete of the Week:
Igor Kopylov '09

For the second year in a row senior Igor Kopylov was the lone Division III recipient of the Georges L. Cointe Award, which is given to a fencer who excels in high-level competition with excellence in sportsmanship. He is MIT's third consecutive winner of this award and fourth overall as Trevor T. Chang '07 was honored during his senior campaign and Guy P. Pommaries '71 was chosen in 1970.

Kopylov finishes his career as a three-time New England Champion in sabre, becoming the third fencer at MIT to accomplish this feat. Alan Williams '85 was a triple-winner in epee while Brian Bower '99 duplicated this effort in sabre. Kopylov has been named to the Northeast Fencing Conference (NFC) All-Star Team every season and he finished 20th at the NCAA Championship during his rookie campaign.

The Cointe Award was created in 1962 to honor the memory of the longtime coach of Cornell University's team, Georges L. Cointe (1899-1961). The presentation of the trophy is made annually to the male and female fencer at the IFA Championships who best demonstrates the qualities of sportsmanship. The selection is made by the coaches of the member teams from among the fencers nominated by the competitors. The criteria include: superior fencing skills; well thought out and executed actions; showing a "will to win" through initiative, determination, drive, and aggressiveness; being courteous and gracious towards opponents and officials; knowing the rules and accepting officials' decisions; and setting an example for others to follow.

—Mindy Brauer, DAPER Staff

UPCOMING HOME EVENTS

Saturday, March 28, 2009	
Sailing Boston Dinghy Cup	9:30 a.m., Charles River
Sailing Central Series	10:30 a.m., Charles River
Men's Lacrosse vs. Lasell College	11 a.m., Steinbrenner Stadium
Baseball vs. Wheaton College	12 p.m., Briggs Field
Women's Lacrosse vs. Springfield College	2 p.m., Steinbrenner Stadium
Baseball vs. Wheaton College	2:30 p.m., Briggs Field
Sunday, March 29, 2009	
Sailing Boston Dinghy Cup	9:30 a.m., Charles River
Sailing Central Series	10:30 a.m., Charles River

SCOREBOARD

Baseball	
Tuesday, March 17, 2009	
MIT (3-0)	14
Rhode Island College (7-2)	8
Wednesday, March 18, 2009	
Wentworth Institute of Technology (7-4)	3
MIT (3-1)	1
Men's Lacrosse	
Tuesday, March 17, 2009	
Wentworth Institute of Technology (0-1)	7
MIT (1-3)	9
Thursday, March 19, 2009	
Curry College (1-3)	9
MIT (2-3)	11
Softball	
Tuesday, March 17, 2009	
Simmons College (2-9)	0
MIT (1-0)	1
Men's Volleyball	
Tuesday, March 17, 2009	
MIT (22-11)	0
Harvard University (8-6)	3
Thursday, March 19, 2009	
Emmanuel College (15-9)	2
MIT (23-11)	3

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