



Ece Gulsen G receives an influenza vaccine at MIT Medical's student-only flu clinic in the Student Center on Thursday. All 1000 doses reserved for the day were used.

MENG HENG TOUCH—THE TECH

DSL Releases Break-down of Student Life Fee; UA is Surprised

By Jessica J. Pourian

STAFF REPORTER

After several years of inquiry from the Undergraduate Association and *The Tech*, the office for the Dean for Student life released the breakdown of the student life fee last Tuesday.

The student life fee increased to \$272 this year, up \$22 from last year's \$250. This is the third year in a row that the fee has been increased. Both undergraduate and graduate students pay this fee to support stu-

dent services.

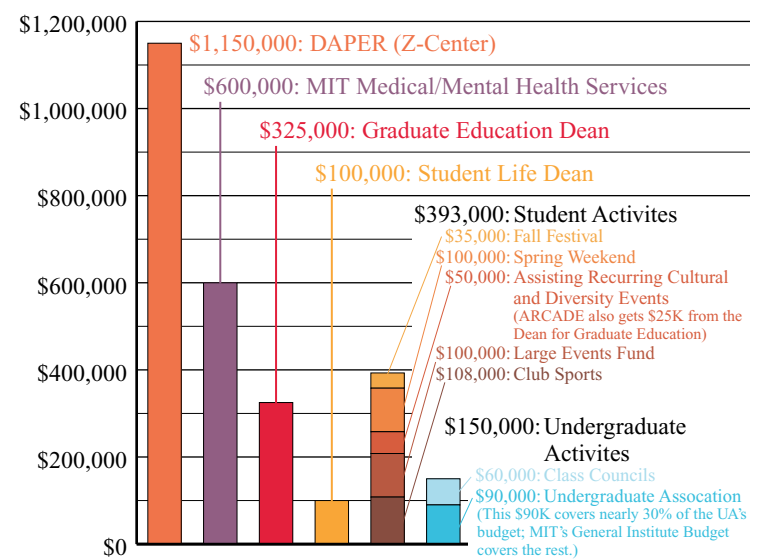
The \$22 is split into \$14 for student government and activities, and \$8 for athletics, Dean for Student Life Chris Colombo told *The Tech* in June.

The distribution of the \$22 came as a surprise to the Undergraduate Association, which hastily revised its budget in response last week, accounting for additional funding.

Undergraduate Association Pres-

Student Life Fee, Page 9

Where Does the Student Life Fee Go?



SOURCE: TOM GEARTY, DIVISION OF STUDENT LIFE

Recently released data from DSL provides the much-awaited breakdown of MIT's student life fee. \$1.1M goes to DAPER.

Dining Plans Awaiting Task Force; Dean Says No Changes This Year

By Maggie Lloyd

STAFF REPORTER

Changes to MIT's dining system will have to wait another few months—at least. Competing proposals released last spring from the Blue Ribbon Dining Committee and the UA Dining committee await the final report from the Institute-wide Planning Task Force before discussions concerning them can continue.

It is estimated that the Institute will release this report by the end of the month or the beginning of November, according to Dean for Student Life Chris Colombo.

Colombo said he has looked over both dining committees' proposals and met with the leadership of the committees over the summer to review their proposals, which were released at the end of last term.

Student Life plans to meet with the housemasters of the four dorms with dining halls to hear their response to the Task Force's final recommendations, said Karen A. Nilsson, Senior Associate Dean for Residential Life.

The UA committee is concerned with two of the Task Force's recom-

Waiting for Dining, Page 11

MAS.967 Pushes Phone Medical Tech., Payments

Rotberg Brings Smartphones to Developing World

By D.C. Denison

THE BOSTON GLOBE

It's an unlikely medical device: a sleek smartphone more suited to a nightclub than a rural health clinic. But it's loaded with software that allows health workers in the remote northernmost Philippines province of Batanes to dramatically reduce the time it takes to get X-rays to a radiologist — and to get a diagnosis

for a patient being tested for tuberculosis.

The software, created by a non-profit organization called Moca, is one of nearly two dozen cellphone-based projects that have sprung from NextLab, a course at the Massachusetts Institute of Technology. It's taught by Jhonatan Rotberg, who

MAS.967, Page 10

In Short

¶ **Stephen D. Immerman has been appointed President of Montserrat College of Art**, a small residential art college in Beverly, MA. Immerman has been at MIT in various positions since 1979.

¶ **An attempted robbery took place last Friday** at the intersection of Mass Ave., and Vassar St. at 11:12 p.m., the MIT Police said. The victim was

grabbed from behind while stopped to tie his shoe, and two suspects, both "dark-skinned black males, 5'7"-5'9", approximately 15 years old" attempted to remove his backpack. The assailants were unsuccessful in taking the backpack and fled east on Vassar St. towards Main St.

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



AARON M. THOM

On Tuesday evening, Elephants walked down Memorial Drive in front of Killian Court on their way to the TD Garden in Boston, where they will perform in the Ringling Bros. and Barnum & Bailey Circus this Fall.



Comics

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Parents taking you out for dinner? But don't know where to go? See inside.

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ARTS

Built to Spill Dig Further Down
Page 5

Byrne, Bikes, Buenos Aires, Oh My!: A Review of *Bicycle Diaries*
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WORLD & NATION

For Colorado Boy, 6, Harrowing Balloon Ride Never Began

By Dan Frosch and Monica Davey

THE NEW YORK TIMES FORT COLLINS, COLO.

For hours on Thursday, people around the country were gripped by television images of a homemade, silvery balloon careening through the skies near here, whooshing over fields and trees and yards with a 6-year-old boy believed to be inside.

A search party was readied — on foot, on horseback, in helicopters with infrared sensors — to scan the aircraft's path of more than 60 miles, some fearful that the boy might have fallen from his perch.

In the early afternoon, the balloon landed near Denver International Airport, but the boy was not in it. At last, near dusk, the boy was found, hiding in a box in his family's garage attic, fearful his father would be angry at him for touching the flying machine his father had built in their backyard.

"Quite frankly, I couldn't stand," the boy's father, Richard Heene — whose family (including three young boys) has appeared on a reality television show on ABC, "Wife Swap," and been interviewed by local media in Denver for their love of chasing stormy weather — said of the moment his youngest son, Falcon, reappeared inside the family's home in Fort Collins. "I just hit the floor with my knees," Heene said, as Falcon, chomping pizza and occasionally grinning, stood among reporters in the family's front yard. "He scared the heck out of us."

By nightfall, questions were emerging about the public costs of the saga, which briefly interrupted departures from the Denver airport, and about how Falcon had managed to stay hidden in the attic of the garage even as authorities twice searched the family home.

Report Says Bans on Smoking Reduce Heart Disease

By Pam Belluck

THE NEW YORK TIMES

Bans on smoking in places like restaurants, offices and public buildings reduce cases of heart attacks and heart disease, according to a report released Thursday by a federally commissioned panel of scientists.

The report, issued by the Institute of Medicine, concluded that exposure to secondhand smoke significantly increased the risk of a heart attack among both smokers and nonsmokers. The panel also said it found that a reduction in heart problems began fairly quickly after a smoking ban was instituted and that exposure to low or fleeting levels of secondhand smoke could cause cardiovascular problems.

"Even a small amount of exposure to secondhand smoke can increase blood clotting, constrict blood vessels and can cause a heart attack," said Dr. Neal L. Benowitz, a professor of medicine, psychiatry and biopharmaceutical sciences at the University of California, San Francisco, and a member of the panel.

At Goldman Sachs, Huge Profits and Huge Bonuses

By Graham Bowley

THE NEW YORK TIMES

NEW YORK

While many ordinary Americans are waiting for an economic recovery, Goldman Sachs and its employees are enjoying one of the richest periods in the bank's history. Goldman executives are perplexed by the resentment directed at their bank and contend the criticism is unjustified. But they find themselves in the uncomfortable position of defending Goldman's blow-out profits and the outsize paydays that are the hallmark of its success.

For Goldman employees, it is almost as if the financial crisis never happened. Only months after paying back billions of taxpayer dollars, Goldman Sachs is on pace to pay annual bonuses that will rival the record payouts that it made in 2007, at the height of the bubble. Top producers are expecting multimillion-dollar paydays.

H1N1 Vaccine Is Fresh Fodder For Opponents

By Jennifer Steinhauer

THE NEW YORK TIMES

People who do not believe in vaccinating children have never had much sway over Leslie Wygant Arndt. She has studied the vaccine debate, she said, and came out in favor of having her 10-month-old daughter inoculated against childhood diseases. But there is something different about the vaccine for the H1N1 flu, she said.

"I have looked at the people who are against it, and I find myself taking their side," said Wygant Arndt, who lives in Portland, Ore. "But then again, I go back and forth on this every day. It's an emotional topic."

Anti-vaccinators, as they are often referred to by scientists and doctors, have toiled for years on the margins of medicine. But an assemblage of factors around the swine flu vaccine — including confusion over how it was made, widespread speculation about whether it might be more dangerous than the virus itself, and complaints among some health care workers in New York about a requirement that they be vaccinated — is giving the anti-vaccine movement a fresh airing, according to health experts.

"Nationally right now there is a tremendous amount of attention on this vaccine," said Dr. Thomas Farley, the New York City health commissioner. That focus has given vaccine opponents "an opportunity to speak out publicly and get their message amplified that they didn't have at other times," he said.

Barbara Loe Fisher, president of the National Vaccine Information Center, an advocacy group that questions the safety of vaccines, said the swine flu has "breathed new life" into the cause. "People who have never asked questions before about vaccines are looking at this one," Fisher said.

The increased interest is frustrating to health officials, who are struggling to persuade an already wary public to line up for shots and prevent the spread of the pandemic. According to a CBS News poll conducted last week, only 46 percent said they were likely to get the vaccine. The nationwide poll, which has a margin of sampling error of plus or minus 3 percentage points, found that while 6 in 10 parents were likely to have their children vaccinated, only 46 percent said they were "very likely to."

"I wonder if the people disseminating this false information about this vaccine realize that what they are doing could result in some people losing their lives," said Dr. Jonathan E. Fielding, the director of the Department of Public Health for Los Angeles County. The comments of vaccine dissenters, which he said "politically come from the left and the right," were frequently, he said, "not just counterproductive but downright disgraceful."

Web sites, Twitter feeds, talk radio and even elevator chatter are awash with skeptics decrying the vaccine, largely with no factual or scientific basis. The most common complaint is that the vaccine has been newly formed and quickly distributed without the benefit of clinical trials; in fact, the swine flu vaccine was made using the same techniques as seasonal flu shots over the last two decades, and a small number of clinical trials were conducted this year to determine the adequate dose.

There are also claims that the vaccine contains adjuvants — sometimes added to make vaccines more effective — although they have not been used in this one.

Holiday Travelers Who Wait to Book Flights May Pay More

By Michelle Higgins

THE NEW YORK TIMES

Procrastinators were rewarded last year when they finally got around to booking flights for holiday travel. Back then, airlines were not prepared for the sharp falloff in travel and offered last-minute deals to fill up empty planes.

This year? Dilly-dallying, even waiting just a few days, could carry a steep price tag.

Fares, though still lower now than at this time last year, are rising with each passing day, a trajectory that began more than a month ago.

In the last week alone, overall fares for Thanksgiving travel rose 6 percent, according to Bing Travel, part of Microsoft's search engine. Ticket prices for the most popular itinerary, departing Wednesday, Nov. 25, and returning Sunday, Nov. 29, are up 10 percent in the last week.

In recent weeks, some flights have risen even more. From New York, a round-trip American Airlines flight to Chicago that cost \$354 on Sept. 14 was \$540 on Thursday, a 52 percent jump, according to Yapta.com, which tracks fares.

A JetBlue flight to Orlando that was \$524 on Sept. 24 was \$614 on Thursday, and a Continental flight from Newark to San Francisco that was \$504 on Sept. 18 was \$770.

That does not count all the extra fees — some added just for holiday travel days — that airlines are charging this year. The professional crystal-ball gazers on fares agree fliers should not wait to book their tickets.

"Travelers should be shopping now," said Joel Grus, who tracks airfares at Bing Travel. "If a price seems good to them, they should get it." "Bottom line," said Rick Seaney, chief executive of Farecompare.com,

in his online Holiday Travel Guide, "holiday travel procrastinators do so at their own peril this year, and practical travelers should be shopping now and buying before the end of October."

Anne Eddy is kicking herself for waiting. In August, she paid \$313 for a round-trip flight from Providence, R.I., to Houston to take her son Duncan to Rice University, where he is a freshman. A week later, she paid \$632 — roughly double — to buy him a ticket home for Thanksgiving.

"I felt behind the game," said Eddy, a health care administrator from Needham, Mass. Determined to get ahead of it, she immediately booked another flight for him at Christmas. It was \$309 round-trip. A recent online search showed that if she had waited any longer for the Thanksgiving reservation, she might have had to pay more than \$800 — if she could get a seat at all.

WEATHER

A Wet and Windy Weekend

By Vince Agard
STAFF METEOROLOGIST

So far this week, we have seen a departure from the sunny, enjoyable autumn weather of early October for cloudy skies and chillier temperatures. This weather has been more reminiscent of late November than mid-October, but those looking for a reprieve will have to endure a few more days of cold. In fact, a bit of storminess will be added to the equation, as two low pressure systems will bring wind and rain to the Boston area over the weekend.

The first of the two storms affecting our weather is a Nor'easter passing to our East off the Atlantic coast on Friday. This storm will bring periods of rain coupled with strong winds, which could blow leaves off of trees and create poor drainage flooding in urban areas. While the worst conditions of the weekend will likely occur on Friday, a second storm is likely to impact New England toward the end of the weekend, bringing continued wind and rain to the area through Monday.

Extended Forecast

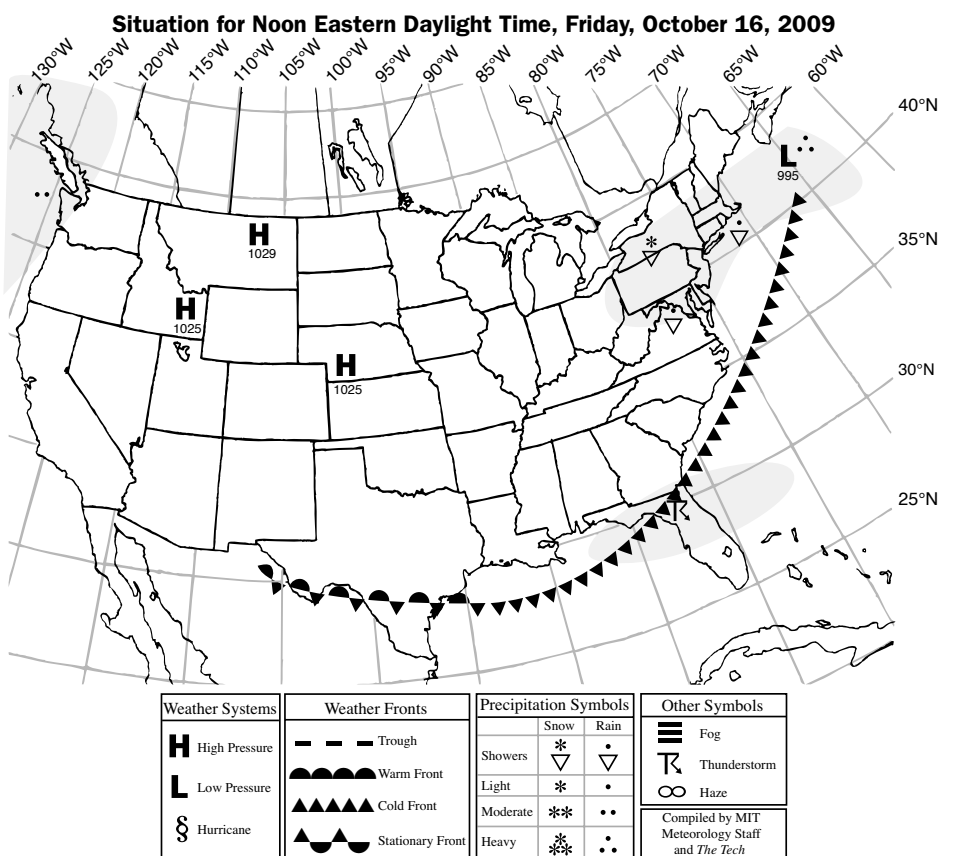
Today: Windy with periods of rain, High 44°F (7°C). NE winds 20-30 mph.

Tonight: Remaining rainy and breezy, Low 39°F (4°C).

Tomorrow: Breezy with a chance of rain, High 50°F (10°C). NE winds 12-20 mph.

Sunday: Rain likely, Highs in the high 40s °F (9°C).

Monday: Rain possible, Highs in the high 40s °F (9°C).



A Woman, Her Son and His Father, the Priest

By Laurie Goodstein

THE NEW YORK TIMES

O'FALLON, MO.

With three small children and her marriage in trouble, Pat Bond attended a spirituality retreat for Roman Catholic women in Illinois 26 years ago in hopes of finding support and comfort.

What Bond found was a priest — a dynamic, handsome Franciscan friar in a brown robe — who was serving as the spiritual director for the retreat and agreed to begin counseling her on her marriage. One day, she said, as she was leaving the priest's parlor, he pulled her aside for a passionate kiss.

Bond separated from her husband, and for the next five years she and the priest, the Rev. Henry Willenborg, carried on an intimate relationship, according to interviews and court documents. In public, they were both leaders in their Catholic community in Quincy, Ill. In private they functioned like a married couple, sharing a bed, meals, movie nights and vacations with the children.

Eventually they had a son, setting off a series of legal battles as Bond repeatedly petitioned the church for child support. The Franciscans acquiesced, with the stipulation that she sign a confidentiality agreement. It is now an agreement she is willing to break as both she and her child, Nathan Halbach, 22, are suffering from cancer.

With little to lose, they are eager to tell their stories: the mother, a once-faithful Catholic who says the church protected a philandering priest and treated her as a legal adversary, and the son, about what it was like to grow up knowing his absentee father

was a priest.

"I've always called him Father Henry — never Father, never Dad," said Nathan, at home between hospital visits. "I always felt he picked religion over me."

The relationship between Bond and the priest is hardly unique. While the recent scandals involving the Roman Catholic Church have focused on the sexual abuse of children, experts say that priests who have violated sexual and emotional boundaries with adult women are far more common.

Clergy members of many faiths have crossed the line with women and had children out of wedlock. But the problem is particularly fraught for the Catholic Church, as Catholics in many countries are increasingly questioning the celibacy requirement for priests.

Bond's case offers a rare look at how the church goes to great lengths to silence these women, to avoid large settlements and to keep the priests in active ministry. She has 23 years of documents, depositions, correspondence, receipts and photographs relating to her case, which she has kept in meticulous files.

Those files reveal that the church was tight-fisted with her as she tried to care for her son, particularly as his cancer treatments grew more costly. But they also show that Willenborg suffered virtually no punishment, continuing to serve in a variety of church posts.

The church entity Bond dealt with is the Order of Friars Minor, commonly known as the Franciscans, whose members were known as mendicants because they survived on handouts from the communities they served.

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MONDAY, OCTOBER 19, 4:30 p.m.

Seminar 1: Introduction to the Baskin Oran Seminar Series (A Historical, Theoretical and Conceptual Framework)
Room 020, CGIS South, 1730 Cambridge St.

Co-sponsored with the Seminar on Turkey in the Modern World, CMES/WCFIA

WEDNESDAY, OCTOBER 21, 4:30 p.m.

Seminar 2: The First Wave of Modernization (Kemalism)
Room K262, CGIS Knafel, 1737 Cambridge St.

Co-sponsored with the Seminar on Turkey in the Modern World, CMES/WCFIA

MONDAY, OCTOBER 26, 4:30 p.m.

Seminar 3: Minorities and Minority Rights

Fainsod Room (L324), Littauer Building, John F. Kennedy School of Government, 79 John F. Kennedy St.

THURSDAY, OCTOBER 29, 4:30 p.m.

Seminar 4: The Second Wave of Modernization (EU Reform Packages 2001-2004)

Guido Goldman Room, Minda de Gunzburg Center for European Studies, 27 Kirkland St. at Cabot Way

Co-sponsored with the Southeastern Europe Study Group, Minda de Gunzburg Center for European Studies

TUESDAY, NOVEMBER 3, 12:15 p.m.

Seminar 5: State and Religion in the Scope of Democracy and Human Rights

Belfer Center Library (L369), Littauer Building, John F. Kennedy School of Government, 79 John F. Kennedy St.

Co-sponsored with the Initiative on Religion in International Affairs, Belfer Center for Science and International Affairs

WEDNESDAY, NOVEMBER 4, 4:30 p.m.

Seminar 6: Identities, Identity Conflicts, and Clash of Modernizations

Neustadt Classroom (RG20), Rubenstein Building, John F. Kennedy School of Government, 79 John F. Kennedy St.

OPINION

MIT Admissions Right to Use Shorter Essays

MIT Admissions was right to ask for more, shorter essays from its applicants in lieu of a single, long essay.

For applicants, the essays are a chance to tell MIT who they are. Essays can reveal interesting character traits that sometimes get buried among the important but repetitive activities, teacher recommendations, grades, and test scores that pepper every application.

Dean of Admissions Stuart Schmill '86, whose staff reads those essays, said they prefer shorter essays, which are more likely to be densely packed with useful information. In contrast, when applicants must fill 500 words, each word is less precious and conveys less about the candidate. Tight word limits force applicants to forego rhetorical embellishments and focus strictly on content.

Schmill contends — and we agree — that the primary purpose of an application essay is not to be a “test” of writing ability.

To be sure, some applicants may be world-class essayists who got a chance to shine when presented with a 500-word blank page. But just as a resumé should not be written in conversational English, application essays should not be evaluated as traditional

essays. They are a tool to learn as many interesting facts as possible, in a way that scales to more than ten thousand applications.

Still, if applicants really enjoy writing, this change is hardly bad news. The new format asks for 600 words over three short essays — 100 more than was required in any previous year. And prospective members of the Class of 2014 can look forward to three chances to stand out — two more than before.

Further, the 200-word essay is still an effective measure of an applicant's ability to be concise, an important skill at an engineering school where people like to get to the point. Besides, MIT Admissions has and uses other ways to figure out whether you're a good writer — test scores and teacher recommendations, to name two.

The “long essay” format may very well be a dated concept that is no longer an effective way to select students for a science and engineering university.

Still, we won't really know until we hear from Admissions about their experiences with this year's incoming class. If the office finds that multiple short essays let applicants express themselves more effectively, across more character dimensions, then this is the right change for MIT.



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Editorial

Corrections

An article last Friday, “MIT's Endowment Over the Past Ten Years” contained several errors. MIT's endowment payout is expected to drop in fiscal year 2011 (July 1, 2010 through June 30, 2011), not the current fiscal year (FY2010). The payout dropped twice in the 2000s — from FY2003 to FY2004 and from FY2004 to FY2005 — not once, making the projected drop in FY2011 the third in history, not the second. MIT now plans to reduce its budget by \$118–\$128 million over two years instead of \$150 million over three years as originally planned (not a revised \$150 million over two years).

An article Tuesday about the new edition of *Introduction to Algorithms* by Thomas H. Cormen PhD '93, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein PhD '92 incorrectly claimed that Cormen implemented every algorithm in the new book. Cormen implemented every algorithm in Parts I–VI and every new algorithm in the third edition.

Cormen is chair of the Department of Computer Science at Dartmouth College, not “Darthmouth.” “Darthmouth is what James Earl Jones's voice comes out of,” Cormen said.

UA Update

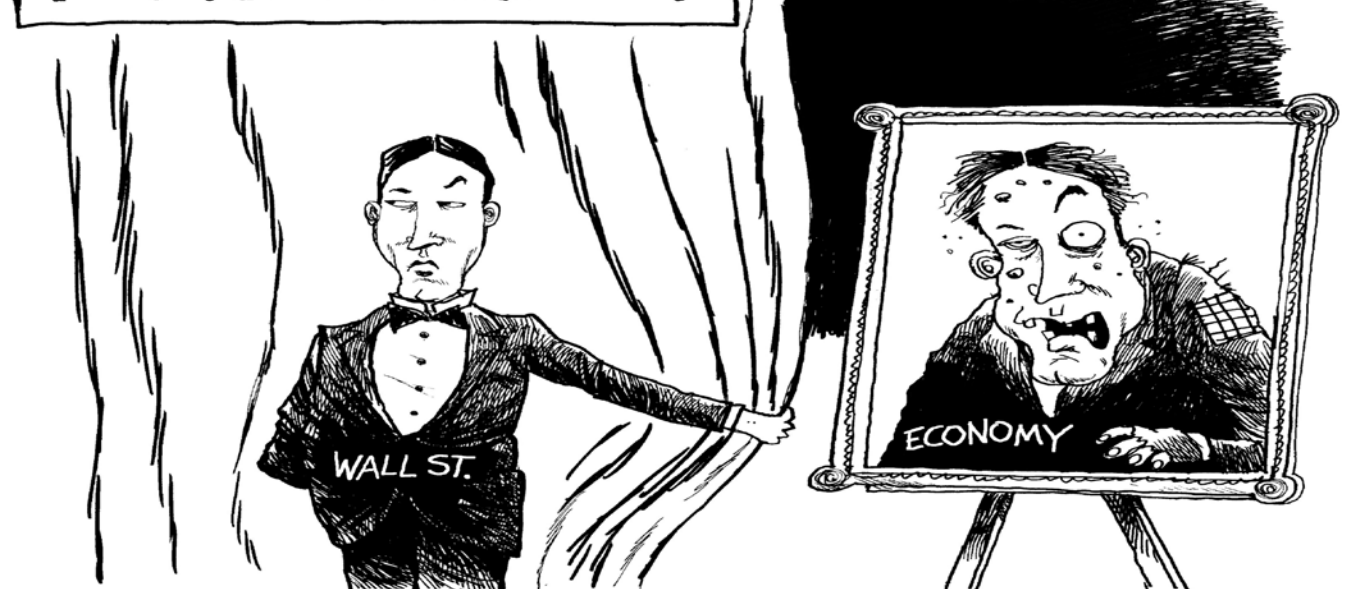
The Executive Committee prepared the Undergraduate Association's “Response to the Institute-wide Planning Task Force Preliminary Report” based on undergraduate feedback from the UA website. This report was approved by the Senate on Tuesday, October 13, 2009. The Coordinating Team of the Planning Task Force; the Chancellor, Executive Vice President, Provost, Chairs of the Institute Committees, and Chairs of the Task Force Working Groups; received a copy of the final report this week, and the report is publicly available at http://web.mit.edu/ua/docs/updated_taskforce_

[response.pdf](#).

The UA Fall Semesterly Budget and Finance Board Appeals were approved at Senate last Tuesday. The Election Code was amended through a bill to ensure that elections results, including vote tallies, are publicly released by 10 p.m. on the day following the end of the election. Additionally, an ad hoc Committee on Alumni Relations was formed; students interested in joining this committee should e-mail ua-car-chairs@mit.edu.

—Elizabeth A. Denys, UA Secretary General

PICTURE OF DORIAN GRAY



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, Opinion Editors Joseph Maurer and Ethan Solomon, and Senior Editor Andrew T. Lukmann.

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.

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ARTS

RESTAURANT REVIEW

Eating Out with Mom and Dad

Sick of Baker D? Parents to the Rescue!

The Scenario: Your parents have just arrived on campus, pleased to see that you haven't gained all of the "freshman fifteen" in a month and a half of college. You show them around campus, stopping by the Student Center and emphasizing that this is where you eat on a daily basis. Eventually, you hear the five magic words from your parents, "We're taking you out tonight." Without missing a beat, you slyly say, "Well, there is one place I've always wanted to try out..."

The Destination:
Atlantic Fish Company
 761 Boylston Street, Boston, MA 02116
 (617) 267-4000

Seafood is to Boston as engineering is to MIT; around here, you'll find it everywhere, and it's made us world famous. Located across the street from the Prudential Center in Back Bay, Atlantic Fish Company is a fish and lobster lover's dream come true, complete with a raw bar serving fresh clam and oyster. And for your seafood-hating little brother, they have a limited selection of steak and chicken entrées as well.

When I first visited Atlantic Fish Company with Dad, I first noticed the interior décor: heavy wood accents and seascape murals add a nice touch to the white tablecloth setting without screaming "Ahoy matey!" You won't find an aquarium, neon lighting, or any pieces of flair at this establishment. All around me, tables were filled with either business professionals or young twenty-somethings accompanied by their parents.

Our waiter was warm, friendly, and spoke with a thick Italian accent. He rattled off a long list of the day's fresh catch and recommendations, adding to the already-large menu and making my decision that much harder. We immediately ordered clam chowder, as Dad had been dying to try the only New England specialty he knows. Rich, creamy, and loaded with clam, it comes as no surprise that their chowder is award-winning.

For my main dish, I finally chose the Pan-Seared Scallops, served with pistachio-basil pesto linguine and artichoke hearts. I was thoroughly impressed with the tender, perfectly-cooked scallops, as I've had one too many overcooked, tough, sorry excuses for seafood in my life. Dad was a little disappointed they didn't have crab legs (his favorite), but was more than satisfied with his Grilled Swordfish Steak. We finished the meal with a cup of excellent coffee, strong enough to pull me out of a food coma without keeping me up all night.

Sure, Legal Seafood might be closer to your parents' hotel room. But why settle for a chain restaurant experience (that you could have in states as far away as Florida) when you can enjoy a bigger, better selection of seafood in Boston proper for one night only? And another tip: as you and your parents "walk off" your dinner from Atlantic Fish Company, stroll down nearby Newbury Street, mention how cold it's been getting lately, and they may just treat you to a winter coat, too. Now there's a lesson in optimization.

Staff writer Tracy Kambara weighs in on where to eat this Family Weekend.

The Scenario: Although your parents are excited to visit you, they also want to explore the tourist hot spots around Boston. To avoid trudging around 2.5 miles of old churches and graveyards of the Freedom Trail, you cut to the chase and begin to hit a few key spots: Boston Common, Faneuil Hall, and the North End. Lunchtime strikes, and you can smell the pastas, pizzas, and parmigianas wafting through the narrow cobbled streets of Boston's own Little Italy.

The Destination:
La Famiglia Giorgio's
 112 Salem Street, Boston, MA 02113
 (617) 367-6711

As the name suggests, La Famiglia Giorgio's is a family-friendly restaurant good for lunch or dinner, with more group table settings than two-person tables. Inside, the atmosphere is warm, cozy, and proudly Italian, from the picture of the Pope to the giant countryside fresco covering one wall.

The menu is typical of most Italian restaurants, containing pages of appetizers, pastas, chicken, veal, fish, pizzas, and calzones, in addition to an extensive wine list. The most-used word on the menu is probably "family," with everything being "family-portioned" or "family style," and in a paragraph about the restaurant, it claims that all customers are part of the "family."

My friend and I split a caprese pizza and Saltimbocca pasta, and sure enough, we could have fed a family of four. The pizza, topped with Mozzarella cheese, rich tomato sauce, and a pinch of chopped basil, had a fresh home-baked taste (the difference is in the crust: not too doughy, with a satisfying crunch). The Saltimbocca pasta sauce was light with a strong taste of white wine, served with soft mushrooms and prosciutto over ziti, cooked al dente. We asked to take our leftovers home, as did every other family in the restaurant.

Service is very friendly and attentive without being overbearing. In case you missed the clues, the waiters are caring and seem to share in the importance of family.

La Famiglia Giorgio's offers a 20 percent off student and teacher discount on most entrées, so make sure to bring your ID and present it when you place your order. Feeling rich after our meal, my friend and I walked around the block and into Mike's Pastry, where we spent our savings from lunch on gelato and Italian sweets. It's hard to go wrong with Italian food in the North End, but if you are with your family, skip the overpriced tourist traps and the romantic restaurants with wine pairings listed under every dish. Instead, head over to La Famiglia Giorgio's where they keep it all in the family.

The Scenario: It's Sunday morning, and your folks are packing up and leaving soon. Brunch is the perfect meal for this last day, big enough to keep them full on their journey home but delicate enough to be eaten in the morning. Your parents have already spoiled you throughout the weekend, so you're looking for an affordable option in a part of town they haven't already seen.

The Destination:
Masa
 439 Tremont Street, Boston, MA 02116
 (617) 338-8884

Boston's South End neighborhood probably has the highest concentration of restaurants serving weekend brunch, many at unbelievably low prices. Masa is no exception, with a wide variety of south-of-the-border American fusion brunch dishes for about \$10 each. On Saturdays until 3 p.m. and Sundays until 11:30 a.m., Masa also serves a special prix-fixe Brunch Fiesta for only \$7.95, which includes a bread basket, a starter, an entrée, and tea or coffee.

Never one to pass up a good deal, I opted for the Brunch Fiesta with the plantain empanada for my starter and huevos rancheros for my entrée. Rather appropriately, the bread basket contained blue cornbread, complete with three memorable spreads (apricot habanero, cranberry chipotle, and my favorite, molasses butter). The plantain empanada was starchy and sweet, and the pastry crumbled under my knife as I attempted to scoop up as much of the delicious cinnamon cream cheese as I could. The huevos rancheros was filling, but could have been improved by swapping the grilled flour tortillas to toasty corn tortillas and by adding a scoop of guacamole in addition to the pico de gallo and sour cream. The Sante Fe Eggs Benedict, with perfectly poached eggs served atop biscuits instead of the usual English muffin, was a favorite in my group as well.

Service and presentation are perhaps Masa's two biggest weaknesses. Although we were quickly seated thanks to our reservation through OpenTable, it took a good fifteen minutes for our order to be taken and another long wait to get our check at the end. The restaurant was not even at full capacity, making me wonder how hectic it must get on Thursday Salsa nights, when they serve \$1 tapas. Many dishes came out of the kitchen messy; I first mistook the asymmetrical placement of the empanada with the streak of cream cheese to be artistic, but then I realized that it was just the result of hurried and poor presentation after comparing it with my friends' plates.

But all in all, for under \$10 with tip, I can't complain much. Even its nearby competitors such as Aquitaine and Union Bar and Grille can't outdo Masa in terms of value; their prix-fixe brunch options are more expensive for roughly the same amount of food. For a New England take on Southwestern fare, Masa will not disappoint.

CONCERT REVIEW

Built to Spill Dig Further Down

Martsch and Co. Showcase New Songs, Favor the Old

By S. Balaji Mani
 ARTS EDITOR

Built to Spill
 The Middle East Downstairs, Cambridge, MA
 October 11, 2009

Built to Spill, just days after the release of their seventh LP *There Is No Enemy*, stopped by Cambridge for a three night run at The Middle East Downstairs last weekend. After seventeen years and a handful of different lineups, songwriter Doug Martsch is still at the helm, looking aged but adjusted. The "well-groomed" five-piece took the stage on Sunday, warmed up after two nights in the same venue, opening with a powerful version of "You Were Right," a tune from 1999's *Keep it Like a Secret*. The song pulled the audience back and forth through a dynamic maze, always climaxing with Martsch's accusation, "you were wrong/when you said/everything's gonna be alright." The song benefited from the controlled layering of three guitars. Most notably, guitarist Brett Netson's overdriven leads cut through the mix at times to reveal a deeper counterpoint against Martsch's riffing.

Eager to continue playing through new material (though the last night of every three night run is always reserved for "old stuff"), "Hindsight" appeared early in the first set. The contemplative piece shows Martsch in a more reserved but hopeful light. The orchestration is lush and focused on cleaner guitars. In the live setting, washes of sound dominated to further the chord progression. The song is also slower and generated a shoegaze

sway that ultimately dissipated as the song diminished to a close.

The rest of the set featured mostly songs from the band's earlier nineties releases, except for a stunning performance of "Wherever You Go" (a gem from 2006's *You in Reverse*). With minimal stage banter, save from Martsch's shy "thanks" every few songs, Built to Spill took time in between songs to discuss and prepare what to play. With a catalog dating back to 1992, Martsch took the opportunity to explore the full breadth of the band's repertoire. A devoted fanbase created a calmer, relaxed atmosphere, and the fans allowed the band some downtime to tailor a well-rounded set.

Bassist Brett Nelson (not to be confused with bandmate Brett Netson) mainly hid off to the side, providing a tangible groove for the band. It was clear that Martsch took each song, which are all his compositions, very seriously. He connected with the audience through focusing his attention on the vocal delivery and keeping his eye on his guitar at all times. An array of guitar pedals encircled him, and he carefully switched between sounds at different sections of every song. The band's stage performance demonstrated their drive to faithfully reconstruct the songs. They successfully executed "Nowhere Nothin' Fuckup," a song dating back to 1993. The

chorus of "Nowhere" was a blistering attack of dirty guitars, appended with a rhythmic hiccup at the word "fuckup."

The only other new song appeared in the encore set. While it not as pleasing as some of the other songs throughout the night, Built to Spill closed with an extended version of a recent favorite, "Goin' Against Your Mind," which played at full volume and got some members in the front row to dance wildly. The studio version is a decidedly long 8-minute journey, but the free-spirited improvisation in the live setting showed that Martsch and his bandmates were celebrating a great weekend in Cambridge. The song faded out to loud applause, concluding a near 2-hour set. Martsch modestly walked off stage behind his bandmates after a shower of praise from the audience. Built to Spill continues to tour in support of *There Is No Enemy*, and will play their last gigs in Washington in November.

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BOOK REVIEW

Byrne, Bikes, Buenos Aires, Oh My!

Musings from Off the Stage and On the Streets

By Charles Lin

SENIOR EDITOR

Bicycle Diaries

David Byrne

Viking Adult

September 17, 2009

\$25.95

At the core of *Bicycle Diaries*, David Byrne's foray into cycling fan-(non)-fiction, is the notion that being on a bike provides a unique viewpoint of the world. Through offerings that are captivating and thought provoking, Byrne dispenses his insights from eyes perched above the cars and pedestrians. Being on a bike probably helps, but the real trick is being David Byrne. How else could you explain diary entries from Buenos Aires bike rides that devolve into meditations on canine hierarchy and lewd dog behaviors?

Byrne, who takes a folding bike on many of his travels, lets his mind wander as he pedals through urban landscapes across the world. Cycling in turn is both his muse and backdrop for his variegated expositions on

art, architecture, music, politics, and anthropology. In Berlin, he narrates ebb and flow of East and West before and after the Wall. His primary mechanisms often evoke the primal textures: disco music and the aroma of food wafting into East Berlin; the weight of always being watched from hastily disguised Stasi hidden cameras. In America, he poignantly paints the decay of the American industrial city, using the language of highways as scars, suburbia as glut, and city centers as decaying flesh.

Throughout his diary entries, Byrne is unabashedly intellectual, yet he lets his curiosity wander without being too academic. Much of the potentially numbing pedantry is massaged out by his humor and singular mastery of all that is ironic and esoteric. On biking in the aftermath of the NYC Marathon, he writes, "The streets ran bright yellow with Gatorade — it looked like the marathoners had all peed themselves after taking a lot of vitamins."

The writing is also surprisingly lucid and Byrne's command of observation pays dividends in tiny moments of humor and humil-

ity. "It would be flattering to think," he writes from the Australian Outback, "that the dome full of stars out here and the little critters scurrying around on the ground have put me, the human ant, in my place, and I'm having an epiphany about my holy insignificance. But being that I'm mere yards from a crappy concrete-block motel room and a humming mini-fridge, I doubt it."

Byrne is at his best in his sojourns to the Philippines, where he researches a conceptual album on the life and personality cult of Imelda Marcos, wife of the former dictator. He explores the notions of power and manipulation during the reign of Marcos and the Western exploitations of the Philippines. In Manila, he marvels at street cover bands that perform perfect reproductions of American hits and the country's fascination with Karaoke — including an attempt to rope him into Karaokeing old Talking Heads songs. Of himself, he writes, "someone programs 'Burning Down the House,' maybe in the hopes that I will sing, but I just stare at the screen as a guy that looks like 80s Bon Jovi poses with a

guitar while a model house burns."

These and other oblique references are as close as Byrne ever gets to incorporating his former life as the Talking Heads' front man. Readers hoping for a glimpse into David Byrne the touring rock star will be sorely disappointed, for it seems Byrne's passions have shifted. At its heart, *Bicycle Diaries* speaks of Byrne's desire to understand community, how people interact — what defines aesthetics and perceptions of art, success, happiness, and modern life. For Byrne, cycling offers a means of connecting disparate nodes, finding the commonality of street markets and concrete edifices in cities around the world. And as much as we may want to scoff and consider Byrne's musings the typical spewing of a progressive Manhattan bicycle nut (which he is), he offers a simple message, telling us not to neglect the primal connections with the world that modern life deprives us of and cycling provides.

He also wants us to wear a helmet and encourage our local government to install more bike lanes.

CONCERT REVIEW

Reviving the Masters

Andreas Scholl Performs the Works of Vivaldi, Händel

By Sudeep Agarwala

STAFF WRITER

Period Instrument Orchestra

Jean-Christophe Spinosi, conductor

Andreas Scholl, countertenor

Symphony Hall, Boston, MA

October 11, 2009

A point of clarification: the practice of castrating pre-pubescent boys that showed promise in singing started in the sixteenth century somewhere in Italy. In the absence of the testosterone-secreting gland, limbs elongated, ribs kept growing

(resulting in extraordinarily large lung capacity) and, perhaps most importantly, the larynx failed to develop: the adult male (*castrato* in Italian) retained his pre-pubescent range and flexibility. Subsequent training developed the pre-pubescent voice into a mature, fully-developed, yet eerily pristine, alto or soprano voice part.

While *castrati* were originally used exclusively for ecclesiastical music (the Sistine Chapel, for instance, had one of the most famous *castrato* choirs until the early twentieth century), *castrati* gained in popularity and were used extensively for major roles in opera during

the Baroque and Classical periods. Successful *castrati* were wildly popular, stealing the celebrity of any given stage, guaranteeing full houses for any given opera, commanding small fortunes for solo recitals and (perhaps confusingly) were often objects of great sexual desire.

In contrast, the countertenor voice part was formalized in

18th century in England during the reign of William and Mary (the English, for some reason, never jumped on the *castrato* bandwagon). Henry Purcell, the court composer at the time, decided to write unreasonably high parts for some tenors in his choir, forcing grown men to sing in their pre-pubescent upper register, the *falsetto* (remember Robin Williams as Mrs. Doubtfire?). Grown men, most often with rich bass or baritone voices, were trained to sing so high that they shared the range of boys, sounded like boys, and often replaced boys, creating an adult male part that sang higher than the tenors: the countertenor.

Conflating *castrati* with countertenors began in the late nineteenth century when intentional castration for the purposes of musical performance was deemed barbaric. Slowly, all the European countries, and now the world, outlawed the practice; the last famous *castrato*, Alessandro Moreschi, died in 1922. Only countertenors remain to sing music written for the *castrato* voice by some of the world's greatest composers (Monteverdi, Vivaldi, Händel, Mozart, to name a few).

This is exactly what countertenor Andreas Scholl did on Sunday, October 12, in a collaboration with Jean-Christophe Spinosi and the Period Instrument Orchestra at Boston's Symphony Hall.

The program featured various works by the Baroque composers Vivaldi and Handel. Spinosi's ensemble began the performance with Vivaldi's Overture to *La fida ninfa*; razor sharp dynamic contrasts in the opening *Allegro* movement that culminated in a refreshing *Allegro* closing movement. Mr. Spinosi's complete control over the ensemble manifested itself in sparkling precision and jeweled articulation.

Mr. Scholl joined the ensemble for Vivaldi's secular cantata, *Cessate, omai cessate*. Scholl's tone was impeccable, warming

period-appropriate straight-tone with tinges of *vibrato*. He soared without restraint into the very highest of his register for *ad libitum* ornamentation and smoothly transitioned through the *passaggio* at the bottoms of hair-raising melismatic runs into a startlingly rich baritone. Scholl's mid-range, however, seemed to stagnate, somehow unable to affect the drama of Vivaldi's setting. Spinosi's orchestra worked as well as accompaniment as it had center-stage, again, displaying a unique ability to shift dynamic and mood at moment's notice, providing surprisingly sensitive counterpoint to Scholl's.

The program continued with another vibrant orchestral interlude, Vivaldi's Sinfonia in b minor, "*Al santo sepolcro*" (RV 169) (a startling two-movement work rife with stunning chromaticism and a startling fugue) and concluded the first half with two Händel arias, "*Dall'ondoso periglio...Aure, deh, per pietà*" from *Giulio Cesare* and "*Se parla nel mio cor*" from *Giustino*. Again, Scholl and Spinosi were almost prescient of the other's motivations throughout the music, presenting a clear, united thesis of both works. Problems with Scholl's middle range, however, plagued these arias more than the initial cantata, particularly in the first aria: An over-zealous orchestra and restrained soloist obfuscated the melody of Caesar's aria. *Se parla nel mio cor*, however, found Scholl more at home, highlighting his incredible range, flexibility and impeccable articulation.

Sunday's performance concluded with Vivaldi's *Filiae maestae Jerusalem*, a stark setting of the Catholic *Stabat mater* sequence, depicting Mary at the crucifixion of Christ; Spinosi led an appropriately dour orchestra accompanying an inconsolable Scholl in a meditation on sorrow and sacrifice. Scholl, performing with score for this lengthy cantata, appeared more comfortable with his middle range for this work. A gloomy introduction gave way to the chilling setting of the *Stabat mater* text. As before, *ad libitum* ornamentation relieved tedium of repeated verses while showcasing Scholl's incredible articulation, range and facility in expression. A magnificent melismatic *Amen* movement concluded the work on an uplifting (and much-needed) Picardy third resulting in an almost immediate standing ovation from the audience.

Although, theoretically, Sunday's concert used countertenor as ersatz *castrato*, there's an argument to be made that not much imagination is needed to envision what this music would have sounded like in its original incarnation. The countertenor timbre is somehow fragile, more nuanced its delineation between a boy soprano and female soprano in ways that can't necessarily be articulated. Almost certainly, it's not the same as a true *castrato's* voice; that form of singer, sound, even method of training are all lost to the ages. But with Scholl performing, does that really matter?

The Handel and Haydn Society; sponsor of Mr. Scholl, Mr. Spinosi, and the Period Instrument Orchestra; continues its season on November 6 and 8 with performances of Mozart's Piano Concerto No. 21 and Haydn's "Farewell" Symphony.

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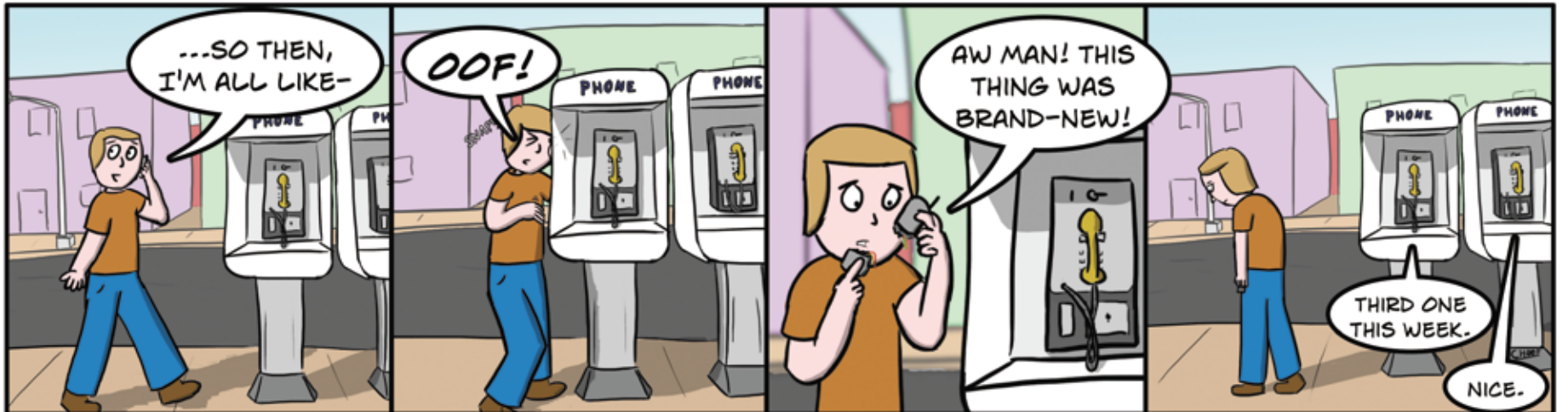
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BEST PRIVATE SCHOOL

Boston magazine, September 2009

Steal My Comic

by Michael Ciuffo



STEALMYCOMIC.COM

The Daily Blunderbuss

by Ben Peters



IRONIC

Okay, *Iron Man*. What are you going to fly by first in your new suit? Oh. A *Ferris Wheel*? Why don't you go and press some shirts... *Iron Man*.

Sudoku

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 11.

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Crossword Puzzle

Solution, page 10

ACROSS

- 1 Establish
- 6 Mother-of-pearl
- 11 X rating?
- 14 Maine college town
- 15 Canary's greeting
- 16 Actress Lupino
- 17 Puzzle editor's brief films?
- 19 1501
- 20 Tranquelize
- 21 Flowers to wear
- 22 Vast landmass
- 23 Sure thing
- 25 Made fast
- 27 Time between
- 31 Extinct bird
- 32 ___ Paulo
- 33 Part of WASP
- 35 Dalai Lama's land
- 38 Well, ___ that special?
- 40 Resided
- 42 Grow weary
- 43 More like a wallflower
- 45 Make sure of
- 47 GPS heading
- 48 Slender
- 50 Emphasizes
- 52 Gossip rag
- 55 Part of pants
- 56 Nothing but
- 57 Lobster eggs
- 59 Fistfights
- 63 Links grp.
- 64 Heavyweight champ's abodes?
- 66 Make a blunder
- 67 Light on one's feet
- 68 Happening
- 69 Type of whiskey
- 70 Attack from all sides
- 71 Transmits

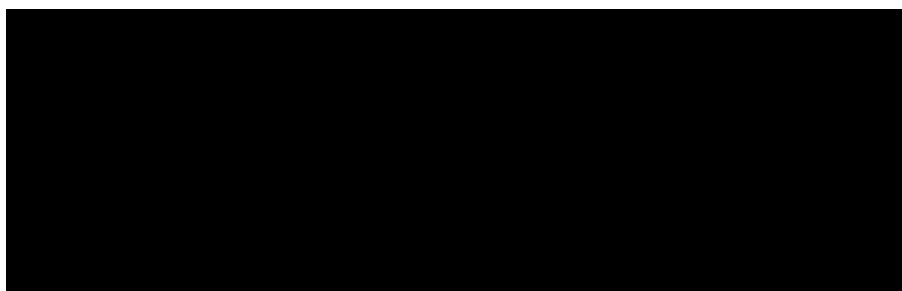
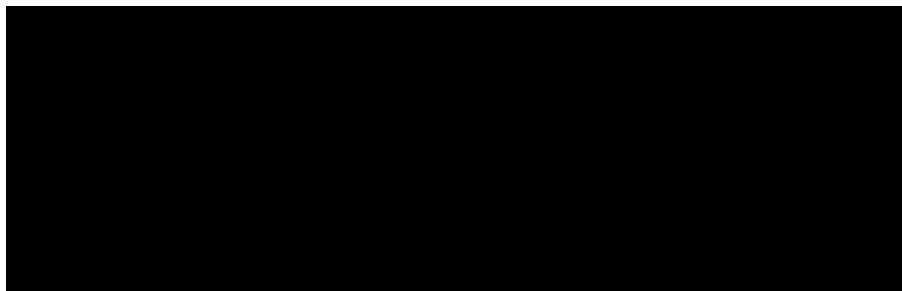
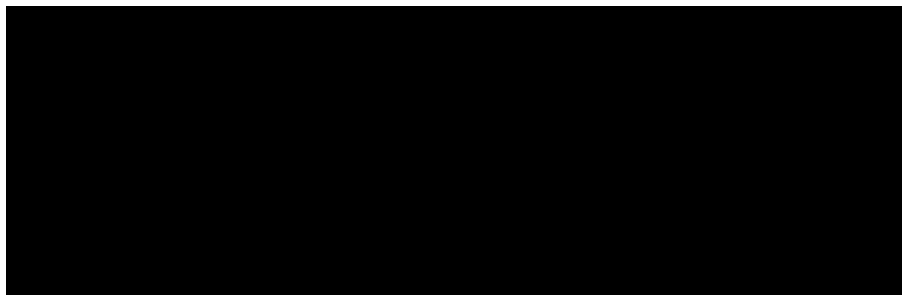
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- 4 Open ties
- 5 Wall hangings
- 6 Final degree
- 7 Truant from the troops
- 8 Daughter of Ops
- 9 Got back to even
- 10 UFO pilots
- 11 "Dead Man Walking" director's birds?
- 12 Vedder of Pearl Jam
- 13 Water nymph
- 18 Spotted wildcat
- 22 Financial review
- 24 Cabs
- 26 Portable bed
- 27 Wife/sister of Osiris
- 28 "Bed Riddance" author
- 29 British PM's stridency?
- 30 Adores
- 34 Small salamanders
- 36 Sea eagle
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- 39 Actor Savalas
- 41 Coercion
- 44 Spanish river
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- 49 Desert deception
- 51 Endeavored
- 52 Drunkard
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- 60 Grace's last word
- 61 ___ Oreille Lake
- 62 Mach+ breakers
- 64 Sci. class
- 65 To date

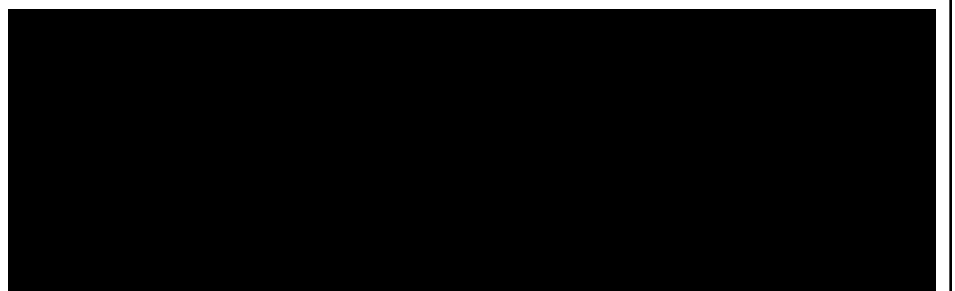
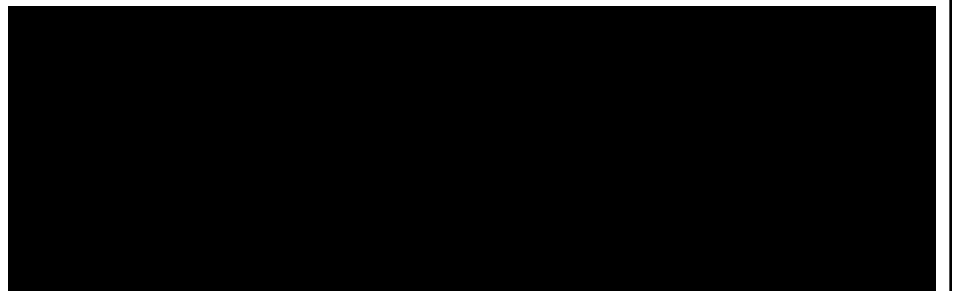
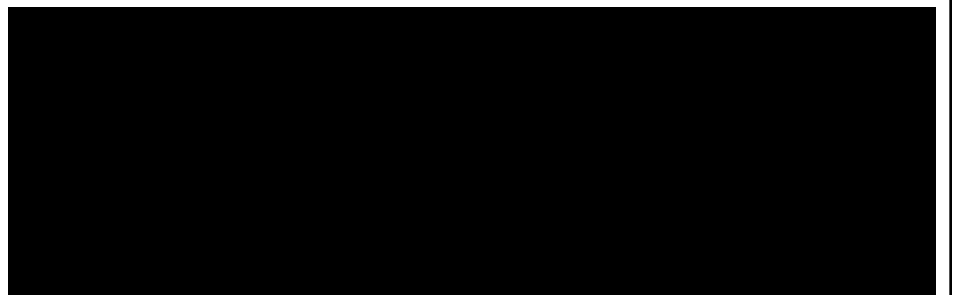
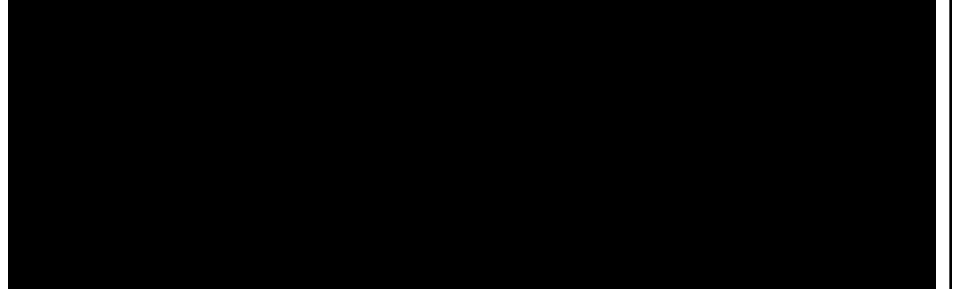
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BY GARRY TRUDEAU



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Life Fee Now Up \$22; Agreement Reached In December Meeting

Student Life Fee, from Page 1

ident Michael A. Bennie '10 wrote to the UA Senate that the announcement "has a MAJOR impact on our fall budget. Our funding has increased by \$35,000 over last year (a little over a 13 percent increase to the annual UA budget)."

Bennie said that "the first \$20,000 will primarily be passed on to student groups," and "the remainder, \$15,000, will be used for the institutionalization of Student-Faculty Dinners. This immensely popular program allows five students to take a faculty member out to dinner and serves as a valuable form of informal advising."

Budget Issues Lead to Increase

The fee has increased for two main reasons, said Peter D. Cummings, Senior Director for Finance for the Division of Student Life: summer athletics support and other budget cuts.

In 2007, the Department of Athletics, Physical Education, and Recreation (DAPER) instituted a \$40 fee to support summer access to Athletics facilities. The Graduate Student Council strongly opposed the fee, and successfully lobbied for its removal, but that left DAPER with less money.

"It's a convenience issue" said Cummings, noting that not everyone who attends MIT is just here for the academic year.

"Graduate students get 12 month leases" for housing, he said, and suddenly not being able to use the athletic facilities is a "big interruption." Their lifestyle, at least in terms of the time they spend on campus, is "fundamentally different" than that of the undergraduate population.

The second reason for the increase is to combat budget cuts, Cummings said.

With the recent economic downturn, the "opportunity for receiving any increases are going to be gone for a very long time," Cummings said. Raising the fee now is "preemptive to protect our base of funds." This money will allow groups that "need [discretionary] funding" to get it if they need it.

For instance, Cummings said, if an athletic team were to do very well and make it to playoffs, MIT has no money set aside for the team to take a trip.

"Teams aren't budgeted for playoffs" Cummings said. Traveling is only possible through the discretion-

Student Life Fee By Year

Year	Student Life Fee
2002-2003	\$200
2003-2004	\$200
2004-2005	\$200
2005-2007	\$200
2006-2007	\$200
2007-2008	\$236
2008-2009	\$250
2009-2010	\$272

ary funds made available through the fee.

The fee was first raised in 2006 to fund construction for DAPER. It was raised again in 2007 to account for inflation.

Prior to 2007, there was "no mechanism" for increasing the fee, Cummings said. Departments would just ask for more funding and the fee would be increased by a dollar or so. It was "a very incremental way of doing things" said Cummings.

How The Fee is Split

Today, the fee is split up through a series of meetings with the UA, GSC, Colombo, and Dean for Graduate Education Steven R. Lerman '72. This year's increase of \$22 was agreed to at a meeting of the Academic Council last December. But, there was no clear agreement on how the increase was to be distributed until DSL's announcement last week.

Money from the student life fee is divided between MIT Medical, DAPER, the Dean for Student Life, the Graduate Education, undergraduate activities, and student activities.

MIT Medical's portion goes towards supporting Mental Health services and DAPER's portion goes towards the Zesiger Center.

The dean's portion of the fee is left for discretionary funding.

The undergraduate activities portion encompasses the UA and the class councils, as well as the UA Finance Board (Finboard). Student activities includes events like spring weekend and fall festival.

The student life fee was instituted in 2002 to support the newly opened Z-Center. "We weren't going to charge a membership fee for students" Cummings said. The administration instead decided to have a student life fee for students that included DAPER and other things and only charge faculty and staff membership.

The fee is covered by financial aid for students who qualify.

Student Life Fee Breakdown, 2002 vs. 2009

	2002-2003	2009-2010
DAPER	\$80	\$115
Medical	\$60	\$60
Student Activities, Undergraduate Activities, and Student Life Dean	\$40	\$39.3+15+10 = \$64.3
Graduate Education	\$20	\$32.5
Total	\$200	\$272

SOURCE: PETER D. CUMMINGS, TOM GEARTY; DIVISION OF STUDENT LIFE

Community Lecture Series Addir Fellows

on Sword's Point

On Sword's Point —
Problems and Challenges
in Interfaith Dialogue

Thurs. October 22, 8:30am Breakfast*

W11—Religious Activities Center
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MIT Interfaith Dialogue Program

Speaker

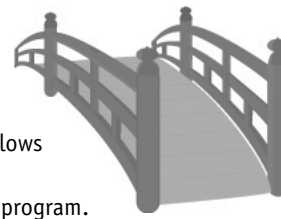
Dr. Hubert Locke — Dean Emeritus-Daniel J. Evans School of Public Affairs, University of Washington, a moral leader, author, Holocaust scholar, authority on police and urban affairs. Dr. Locke's life's work has focused on "Justice in Society."


*RSVP — ora@mit.edu, x3-3511

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

All are invited. Breakfast will follow the program.


Addir is a word in Ancient Sumerian which means "bridge". In the Addir Fellows Program we aspire to build bridges of dialogue and understanding. The Addir Fellows MIT Interfaith Dialogue Program is sponsored by Office of Dean for Student Life and MIT Hillel in cooperation with the Board of Chaplains.





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NextLab Facilitates Worldwide Change With Phones

MAS.967, from Page 1

was sent to MIT by Telmex, one of Latin America's largest telecommunications companies, to bring cellular technology to the "90 percent of people" who fall outside of the marketing plans of most phone companies.

Talking about his Telmex job, Rotberg made a peak with his hands. "We were dealing with the very top of the pyramid," he said as he sat in his office at MIT. "We spent most of our time trying to sell more phones and products to the middle class and the upper middle class."

So three years ago, funded by a grant from Mexican investor Carlos Slim's foundation, Telmex sent Rotberg to MIT to research methods for using cellphones to help "the

resource-constrained countries, aka developing countries, aka low-income countries."

And when Rotberg settled into his research and teaching position at the Media Lab, he made a discovery: The same device that powers teenage texting in the United States can be adapted to help farmers in Mexico and illiterate women in India.

"Cellphones are inexpensive, personal, connected, and everywhere," he said. "They are also the perfect Trojan horse for social development, because you don't have to convince anyone to buy one."

In NextLab, Rotberg challenged students by asking, "Can you make a cellphone change the world?" And students have responded, creating nearly two dozen projects and three start-up ventures that have been working with communities in developing countries like India, Vietnam, and Mexico.

"It really kind of jumps out at you, the positive impact you can have with cellphone technology," said Zackary M. Anderson '09, a recent MIT graduate who was on a team that started Moca, a nonprofit that is developing mobile software to improve health care access in less wealthy countries.

"The next billion people who will be getting online will be using cellphones, not computers," Anderson

said. "That gets you thinking about how you can leverage this."

Using Rotberg's course as a sounding board, the Moca team decided to focus on facilitating cellphone communication between health workers in rural areas and doctors, who tend to be in cities.

Last summer, Moca conducted a small pilot program in Batanes, using cellphones to send X-rays to ur-

ban doctors for screening.

Leo Anthony Celi, a physician who recently completed a master's degree at MIT, has made three trips to the Philippines to field-test Moca.

"The Philippines actually adopted cellphone texting way ahead of the US, so there's already a platform in place that we can leverage," he said. "We started with X-rays, but there's no reason we can't also transmit ultrasound videos,

echocardiograms, and other medical imagery."

Cellphones are well suited to what is known as telemedicine, networks that connect remote locations with sophisticated medical diagnosis and advice. But social entrepreneurs are also using cellphones to enable remote commerce and promote literacy.

Dinube, a NextLab spinoff that was tested in Mexico last summer, provides payment services to people who don't have access to traditional banks.

ial programs to bring innovation to developing countries, has four cellphone-related projects in the works. That's not surprising, given that the center's director, Iqbal Qadir, founded Grameenphone, a company that introduced low-cost cellphone service to Bangladesh in the 1990s.

"For cellphones, it's really only the beginning," Qadir said, "because cellphones are becoming computers. Think about it: What are the limits of computers? Actually, there's no end to it."

To stay ahead of this rapidly evolving technology, Rotberg recently launched what he refers to as version 2.0 of NextLab. The spring semester course, hosted by the MIT Center for Transportation and Logistics, will be focused on creating a mobile phone-based platform for a broad range of projects.

"The magical part of this technology is that if we build something in one location, we can just tweak it and use it in another," Rotberg said.

It's safe to assume, he added, that there will be more opportunities for leveraging cellphone technology.

"There's no question that the cellphone footprint will expand, and that phones will get cheaper, and that computing power will grow," he said. "The only question is, will we recognize that this is an opportunity for social good?"


"We started with X-rays, but there's no reason we can't also transmit ultrasound videos, echocardiograms, and other medical imagery."

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MIT's Legatum Center, which supports a variety of entrepreneur-



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Solution to Crossword
from page 7

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

72% of Students Give Vote Against Dining Proposal on UA Site

Waiting for Dining, from Page 1

recommendations: meal plan changes and financial aid food allotment.

According to UA Dining committee chair, Adam S. Bockelie '11, the least popular Task Force option his committee is facing is the replacement of the \$300-per-semester House Dining membership with a \$600-per semester system. The \$600 payment would be used as a declining balance to pay for meals, but the 50 percent discount would no longer exist.

As of last night, this recommendation had a 12 percent approval rating on the UA website, where students can give a "thumbs up" or "thumbs down" vote to the Task Force recommendations (28 out of 218 voted in favor; 190 against).

Secondly, Bockelie said, there has been positive feedback from students towards reducing the food allowance in financial aid from \$4,510 to \$3,000 per year to more closely match the average student's yearly food spending. Students with a meal plan would still receive \$4,510 yearly.

That plan has received a net 70 percent approval rating on the UA site (142 out of 202 voted in favor; 28 against).

Feedback has played an important role in the development of these recommendations. According

to the UA's updated response to the Task Force ideas (available at http://web.mit.edu/ua/docs/updated_task_force_response.pdf), over 500 comments on the recommendations were submitted and close to 750 students gave a "thumbs up" or "thumbs down" vote on at least one recommendation.

"Opposition is particularly fierce because the existing \$300 system does not provide most students with an overall benefit," the UA response said. "For most students, the \$300 fee is far more than the money 'saved' with the fifty percent discount. The proposed \$600 fee is a declining balance system without a discount, so the overall cost to students who eat in dining halls regularly would be about the same."

As far as implementation of these recommendations goes, Colombo said, "I do not anticipate any changes to house dining for this year."

Bockelie said that the UA Dining Committee met for the first time this term on Wednesday night, and is just beginning to define their goals for the term.

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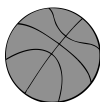
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Solution to Sudoku

from page 7

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

MIT Sport Taekwondo TOURNAMENT

Sunday, October 18th
Johnson Athletics Center (3rd floor)

Forms start @ 9:40 am
Olympic-style sparring starts @ 11:00 am

FREE ADMISSION
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sport-tkd-info@mit.edu
<http://web.mit.edu/taekwondo>



SPORTS

MIT Cycling Wins Collegiate National Track Championship

The MIT cycling team won 22 medals during its bid for the 2009 Division-II Collegiate Track Championship, successfully defending its 2008 title. Guo-Liang Chew '10, Matthew C. Blackburn G, Martha W. Buckley G, Nick C. Loomis G, Michael L. Garrett G, Yuri Matsumoto G, Laura R. Ralston G, Zachary A. Labry G, Timothy J. Humpton '10, and Jose H. Soltren all competed at the championships for MIT.

MIT earned a silver medal in the Collegiate Sprint, the only co-ed event at the championships. In addition, Garrett placed 5th in the Men's Omnium and Ralston placed 12th in the Women's Omnium, the competition for best overall rider across all divisions.

—Michael Garrett, Team Member

Women's Soccer Sinks Coast Guard, 7-1

Alisha D. Lussiez '12 and Emily Kuo '13 had three goals each leading MIT to a 7-1 win over Coast Guard in a New England Women's and Men's Athletic Conference (NEWMAC) match on Tuesday.

Lauren R. Hernley '11 gave MIT a lead just 1:32 into the match before Coast Guard tied it in the 28th minute.

It took MIT just 1:08 to regain the lead as Kuo scored her first goal of the game giving MIT a 2-1 lead at halftime.

Lussiez took a pass from Merricka C. Livingstone '13 increasing the lead to 3-1 in the 52nd minute. Lussiez scored again in the 61st minute before Kuo scored a pair of goals, both assisted by Andrea Y. Park '13, just over three minutes apart for a 6-1 lead.

Sarah C. Vega '13 assisted on Lussiez's third

goal in the 74th minute to close the scoring.

MIT (7-4-1, 3-1-1 NEWMAC) outshot Coast Guard 32-3.

Goalie Katy Olesnavage '11 made one save to pick up the win while Coast Guard sophomore Mary Mills had 14 saves in the loss. Coast Guard (2-10, 0-5) has dropped six straight.

The Engineers return home this weekend to host Smith College on Saturday, October 17, at 1 p.m. at Steinbrenner Stadium.

—Mindy Brauer, DAPER Staff

MIT Defeats WPI, Remains Perfect in NEWMAC Play

The Women's Volleyball team defeated Worcester Polytechnic Institute 3-1 in a NEWMAC match Tuesday evening. With the 14-25, 25-12, 25-18, 25-19 victory, MIT remains undefeated at 6-0 in NEWMAC play and improves to 19-4 overall.

The match started slowly for MIT with a subpar performance in the first set. The opening set win by WPI was its first over MIT since 2000, a span of nine straight matches. However, the Engineers were able to bounce back and take control in the following three sets, winning all three in comfortable fashion.

MIT had a balanced offense propelled by Alexandra T. May '10's double-double of 13 digs and 10 kills. Alyssa L. Rothman '13 notched 43 assists and Jennifer Li '11 and Kelly E. Schulte '12 collected 15 and 10 kills respectively.

Katie K. Spielbauer '13 chipped in with 14 digs while Anna D. Dikina '11 added 12. Barden E. Cleeland '10 was strong at the net with four blocks and 11 kills.

This Saturday the volleyball team will host an all-day tournament in Rockwell Cage with Eastern Connecticut State University, UMass-Boston and St. Lawrence University.

—Paul Dill, Team Coach

SCOREBOARD

Women's Soccer	
Tuesday, October 13, 2009	
U.S. Coast Guard Academy	1
MIT (6-4-1)	7

Women's Tennis	
Tuesday, October 13, 2009	
Wheaton College	6
MIT (2-4)	3

Women's Volleyball	
Tuesday, October 13, 2009	
Worcester Polytechnic Institute	1
MIT (18-4)	3

UPCOMING HOME EVENTS

- Friday, October 16, 2009**
Rifle vs. John Jay College, Mass. Maritime Academy, Wentworth College
6 p.m., duPont Gymnasium
- Saturday, October 17, 2009**
Men's and Women's Crew — Head of the Charles 9 a.m., Charles River
Women's Volleyball vs. Eastern Connecticut State University
10:30 a.m., Rockwell Cage
Women's Volleyball vs. UMass-Boston 1 p.m., Rockwell Cage
Women's Soccer vs. Smith College 1 p.m., Steinbrenner Stadium
Women's Volleyball vs. St. Lawrence University
3 p.m., Rockwell Cage
Men's Water Polo vs. Fordham University
5:30 p.m., Z-Center Pool
- Sunday, October 18, 2009**
Men's and Women's Crew — Head of the Charles
9 a.m., Charles River



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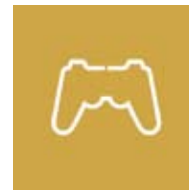
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