MIT's Oldest and Largest Newspaper



FRI: 69° F | 51° F
Partly cloudy

SAT: 65° F | 53° F
Thunderstorms

SUN: 59° F | 46° F

Partly cloudy

Volume 130, Number 25 tech.mit.edu Friday, May 7, 2010

Freshmen set to crowd MacGregor

Larger freshman class will squeeze dorms

By Jingyun Fan

The incoming freshman class is so large that eight lounges in the MacGregor high rise will be converted into doubles starting fall of

Karen Nilsson, the outgoing senior associate dean for Student Life

said that the class of 2014 might have around 1,300 students, which means that around 110-

200 more freshmen? p.13

120 freshmen would have to be squeezed into the existing dorms.

Other dorms such as East Campus, Burton Connor, and McCormick will also be crowded to provide space for the larger freshman class.

In the past, MacGregor has been a last resort when there is lack of beds available on campus. The doubles are converted back to lounges as soon as space becomes available elsewhere on campus.

This time, The crowding in Macgregor is part of "a loan program" between MacGregor and the Division of Student Life in preparation for the Institute's need for additional bed space before renovation of the W1 residence hall is completed. Once W1 opens, the lounges will be returned to MacGregor.

According to Daniel D. Hawkins '12, vice chair of the UA Dining Proposal Commitee, there is no longer a goal date for the completion of W1, a \$90 million project.

"[MIT President] Susan Hockfield said that if they get all the funding by June, they can finish by Fall of 2011," Hawkins said. "But that is probably not going to happen."

A donor has been found to finish the exterior of the building, but there a lot of work remains to be done for the inside, Hawkins said.

According to Munther A. Dahleh, one of MacGregor's housemasters, MacGregor has had to convert its lounges into doubles around three times in the last 15 years.

In 2008-2009, the lounges in MacGregor were used by members of the former Alpha Tau Omega fraternity when a burst pipe flooded their chapter house. The members stayed for nearly two semesters and paid "rent," some of which was given to the Macgregor government.

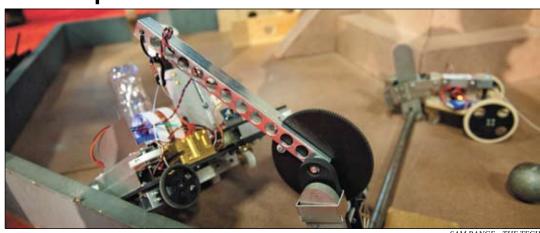
Now, the 16 students who get placed in these converted doubles will stay permanently.

"The policy of having temporary rooms is bad for students who want to a permanent community" Dahleh said.

The conversion at MacGregor

Crowding, Page 13

2.007's Top 'Bot



SAM RANGE—THE TECH

Junior Randall M. Briggs's robot keels over in a fierce game of tug-of-war to win yesterday's 2.007 competition in Johnson Athletic Center. The design and manufacturing class culminated in the annual two-day robotics competition featuring over 100 contestants.

Textbook data available sooner

To comply with law, MIT will collect textbook information

By John A. Hawkinson

To comply with a national law, MIT will make textbook information available before the pre-registration deadline in coming terms, according to a presentation delivered at April's faculty meeting by Vice Chancellor Steven R. Lerman '72.

Textbook information, including ISBN and retail price, will be available by through the online catalog on *student.mit.edu*. That information will be made available to the Coop bookstore at MIT, as well as to outside services like Coursepicker and Bookpicker, Ler-

man said

The Higher Education Opportunity Act of 2008 requires that by summer 2010, MIT and other federally-funded universities to increase the transparency of textbook information.

Lerman said that full compliance with the law will require the faculty to make available their text-book choices by the pre-registration deadline, rather than in a syllabus distributed on the first day of class in September.

In the event that a faculty member has genuinely not yet determined textbook selection for a course, Lerman said, the law per-

mits a class to list its textbooks as "to be determined."

Faculty will now find it easier to report their textbook choices. Instead of having to tell the Coop and the MIT Libraries separately, faculty will now fill out a single web form.

As of last month, the schedule called for pilot testing of the system during the month of May, with a production version complete by June 15.

In the past, students have sometimes had difficulty getting text-book information for courses without going to The Coop, which has given the Coop a sales advantage.

Provost presents budget cut projections



At March's Faculty meeting, and again at an April meeting for administrative and financial officers, Provost L. Rafael Reif presented planning models of the Institute's budget deficit out to the year 2020, based on various endowment returns. These graphs show the budget without this fiscal year's cuts (left) and with cuts (right), in the face of four scenarios of long-term endowment return: 8.25 percent (green), 7 percent (blue), 5 precent (red), and 3 percent (purple).

This data does not incorporate planned cuts for fiscal year 2011 (the 2010-2011 academic year).

IN SHORT

Student Activities Dean Jed W. Wartman is leaving MIT at the end of June. He's accepted a position of Associate Dean and Director of Campus Life at Colby College in Waterville, Maine. **Mother's Day is Sunday!** Please call your mother, she will really appreciate it.

MIT fêtes Steve Lerman with a "Community Spring Break" on Killian Court from 3:30–5 p.m. Monday. **Lobby 7's doors are being repainted** over the next two weeks, from 4–9 p.m. daily. Watch out for wet paint.

Iron Man 2 opens today. People say it's good — for a sequel.

Wind blew out a window from 54-100 last night, sending glass shards tumbling. See photo p. 15.

Send news information and tips to news@tech.mit.

Roche will file opposition brief

Biotech company Roche will file an opposition brief with the U.S. Supreme Court in *Stanford University v. Roche Molecular Systems, et al.*, the intellectual property case that Stanford and MIT have both asked the Court to hear, as have other 40 peer institutions.

The outcome of the case could determine who owns the patents to inventions that come out of federally-funded research. In 2005, Stanford sued Roche for patent infringement over technology to detect HIV levels in blood. Roche claims that it owns the patent because one of the researchers transferred the patent rights to a company that was eventually bought by Roche.

Stanford's petition asks whether a university's property rights "can be terminated unilaterally by an individual inventor through a separate agreement purporting to assign the inventor's rights to a third party."

When a party asks the Supreme Court to hear a case, four of the nine justices must vote in favor; fewer than 100 cases are selected from nearly 10,000 petitions. Frequently only the petitioner and third parties file briefs at this stage. A brief from the respondent may make the case look more appealing to the Court.

Roche will file its opposition brief on May 26, according to Adrian M. Pruetz, counsel for Roche.

Roche's brief will be available on *The Tech*'s website.

Stanford's brief was filed on March 22 of this year. *Amicus curiae*, or friend-of-the-court, briefs, were filed in late April by the Wisconsin Alumni Research Foundation, the Association of American Universities, and MIT. WARF's brief was joined by 10 other institutions, including the University of Michigan. AAU's brief was joined by over 30 *amici*, including Harvard, Yale, CalTech and CMU.

Roche's brief was originally due on April 26, but it obtained an extension from the Court. Copies of the filings todate are available at http://tech.mit.edu/V130/N23/scotus/.

—John A. Hawkinson

ISRAEL ABUSES PALESTINIANS

Organizers of the Palestinian Awareness Week at MIT say the point is to convey the facts. **OPN**, **p. 5**

TEAMWORK, EVERYBODY

Don't dread group projects. Here's how to make them a success. **OPN, p. 5**

DON'T MULTITASK AND DRIVE

The Secretary of Transportation came on Monday bearing a warning. **OPN, p. 4**



THE CHORALLARIES, WITH FEELING

By the end of their spring concert, everybody was tearing up. **ARTS**, **p**. **9**

COBRA STARSHIP SPEAKS

Guitarist Ryland Blackinton talks about the band, Boston and finding soul in electro music. **ARTS**, **p. 8**

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AIG is said to be replacing Goldman as its top adviser

As its legal troubles mount, Goldman Sachs is losing a big corporate client: the American International Group.

AIG, the insurance giant that planned to retain Goldman to help reorganize its businesses, has replaced Goldman as its main corporate adviser, according to three people with knowledge of the matter, which was not intended to be public. Instead, the insurer is turning to Citigroup and Bank of America.

The move is the first in what some analysts warn could be a series of defections among Goldman's clients after accusations vigorously denied by Goldman — that it defrauded customers in a complex mortgage investment. A Goldman spokesman declined to comment.

As Goldman's legal problems have escalated — first with a civil fraud suit filed by the Securities and Exchange Commission, and then with a federal criminal investigation — some investors have grown increasingly anxious about the potential damage to Goldman's reputation and business.

AIG's decision leaves Goldman out of the mix at a pivotal moment for the insurance company and breaks a traditionally close relationship..

—Louise Story and Eric Dash, The New York Times

Bill targets citizenship of terrorists' allies

 $\label{eq:WASHINGTON} \textbf{--} \textbf{Proposed legislation that would allow the}$ government to revoke American citizenship from people suspected of allying themselves with terrorists set off a legal and political debate Thursday that scrambled some of the usual partisan lines on civil-liberties issues.

The "Terrorist Expatriation Act," co-sponsored by Sens. Joseph Lieberman, I-Conn., and Scott Brown, R-Mass., would allow the State Department to revoke the citizenship of people who provide support to terrorist groups like al-Qaida or who attack the United States or its allies.

Some Democrats expressed openness to the idea, while several Senate Republicans expressed concern. Brown, who endorsed aggressive tactics against terror suspects during his campaign for the late Sen. Edward Kennedy's seat, said the bill was not about politics.

"It reflects the changing nature of war and recent events," Brown said Thursday. "War has moved into a new dimension. Individuals who pick up arms — this is what I believe — have effectively denounced their citizenship, and this legislation simply memorializes that effort."

—Charlie Savage and Carl Hulse, The New York Times

Senate nod to approval of Fed audit is expected

WASHINGTON — The Senate on Thursday moved close to approving a proposal to require a one-time audit of the Federal Reserve's response to the financial crisis, and to force the central bank to disclose the recipients of more than \$2 trillion in aid, including the bailouts of big banks.

The proposal, by Sen. Bernard Sanders of Vermont, gained momentum even as Republicans and Democrats continued to clash over procedural issues with legislation that would overhaul the nation's financial regulatory system.

While the Sanders amendment requiring the audit appeared to have enough support among senators in both parties to easily win adoption, a vote was postponed until sometime next week. The White House and the Fed had opposed the original proposal by Sanders, which would have allowed additional audits of the Fed. A modified proposal from Sanders appeared to address those concerns, though the Fed still had concerns.

-David M. Herszenhorn, The New York Times

Dow's rapid fall of 1,000 points rattles traders, terrifies investors

By Graham Bowley

THE NEW YORK TIMES

A bad day in the stock market turned into one of the most terrifying moments in Wall Street history on Thursday with a brief, 1,000-point plunge that recalled the panic of

It lasted just 16 minutes but left Wall Street experts and ordinary investors alike struggling to come to grips with what had happened - and fearful of where the markets might go

At least part of the sell-off appeared to be linked to trader error, perhaps an incorrect order routed through one of the nation's exchanges. Many of those trades may be reversed so investors do not lose money on questionable transactions.

But the speed and scale of the plunge - it was the largest intraday decline on record - seemed to feed fears that the financial troubles gripping Europe were at last reaching across the Atlantic. Amid the rout, new signs of stress emerged in the credit markets. European banks seemed to be growing wary of lending to each other, suggesting the debt crisis was entering a more dangerous

Traders and Washington policy makers struggled to keep up as the Dow Jones industrial average fell 1,000 points shortly after 2:30 p.m. and then mostly rebounded in a matter of minutes. For a moment, the sell-off seemed to overwhelm computer and human systems alike, and some traders began referring grimly to the day as "Black Thursday."

But in the end, Thursday was not as black as it had seemed. After briefly sinking below 10,000, the Dow ended down 347.80, or 3.2 percent, at 10,520.32. The Standard & Poor's 500-stock index dropped 37.75 points, or 3.24 percent, to close at 1,128.15, and the Nasdaq was down 82.65 points, or 3.44 percent, at 2,319.64.

But up and down Wall Street, and across the nation, many investors were dumbstruck. Experts groped for explanations as blue-chip stocks like Procter & Gamble, Philip Morris and Accenture plunged. At one point, Accenture fell more than 90 percent to a penny. P&G plunged to \$39.37 from more than \$60 within minutes.

The crisis in Greece, high-speed computer program trading, the debate over regulatory reform in Washington, talk of errant trades all were pointed to as possible catalysts. But most agreed the plunge would not have been nearly as bad if the markets had not been on edge already over the debt crisis in Eu-

"There is a recognition that the Greek crisis has morphed into not only a European crisis but is going global," said Mohamed A. El-Erian, the chief executive of Pimco.

On the trading floor of the New York Stock Exchange, traders shouted or watched open-mouthed as the screens lit up with prices plummeting and as phones rang off the hook. "It was almost like 'The Twilight Zone." said Theodore R. Aronson of Aronson, Johnson & Ortiz, a money management firm in Philadelphia. Wall Street managers wandered their trading floors, trying to calm their people and figure out what was going on, and began to notice wild movements in stocks like P&G and Philip

The oil spill: tackling questions of liability, cleanup, & consequences

By Matthew L. Wald

THE NEW YORK TIMES

On the evening of April 20, the oil rig Deepwater Horizon exploded about 50 miles off the Louisiana coast in the Gulf of Mexico, killing 11 workers and injuring 17. Two days later it sank in 5.000 feet of water.

Crude oil soon began streaming out of a broken pipe attached to a well a mile below sea level. Within days much of the nation was transfixed by a frantic effort by BP and the federal government to plug the leaks and contain a massive spill threatening the gulf coastline and the ocean itself.

As the crisis has unfolded, confusion has soared about the oil spill's gravity, the potential effects on coastal residents, the risks to wildlife and who will foot the costs of the

Following is an oil spill primer: Q: Who owned the oil rig?

A: The 9-year-old rig was owned by Transocean, a giant Swiss offshore drilling contractor. It had been leased to BP for roughly \$500,000 a day.

Q: Who is legally responsible for the spill?

A: BP and Transocean have been named by the Coast Guard as "responsible parties," which means they must cover all cleanup costs, including those incurred by the Coast Guard and other government em-

They will also have to compensate people and businesses for things like property damage, lost business revenue and harm to ecosystems. BP's liability bill is capped at \$75 million and Transocean's probably at \$65 million, but those caps could be lifted if the companies were found to have acted with gross negligence or to have broken rules that led to the

Or the government could rule that the spill involves more than one incident, which would mean higher caps. And three senators have introduced legislation to raise the \$75 million cap to \$10 billion.

Cameron, the company that manufactured a "blowout preventer" that failed to function after the explosion, and Halliburton, which performed drilling services like cementing, could in turn face claims from BP or Transocean.

Third parties like fishermen could sue the responsible parties or companies like Cameron and Halliburton. The companies' insurers face claims too.

Q: How much will the cleanup cost?

A: It depends on how much hits shore. Exxon spent \$3.4 billion in cleanup costs, fines and compensatory payments for the 1989 Valdez spill in Alaska. When the Cosco Busan hit ta bridge near San Francisco in 2007 and spilled 50,000 gallons of fuel, the cleanup cost \$70 million.

WEATHER

A messy situation

By Brian H. Tang

Weather plays a pivotal role in disaster responses. As we witnessed with the Eyjafjallajökull volcano, wind patterns can disperse ash into the upper atmosphere causing severe travel disruptions. Modeling the ash cloud is an incredibly hard job to do with accuracy due to uncertainties in the ash plume itself and the limited predictability of the atmospheric flow. Likewise, winds have played a critical role in the oil spill in the Gulf of Mexico. High winds and spill stymied cleanup efforts. Forecasted winds out of the south will continue to transport the oil slick slowly toward the coast of Louisiana.

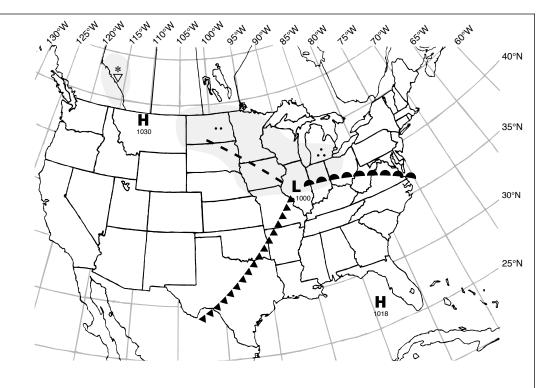
This weekend's weather in New England will be rapidly changing. On Saturday, a strong storm will bring showers and thunderstorms to the area. Any thunderstorms will have the potential to have powerful wind gusts as long as the sea breeze doesn't interfere. Drier, cooler, and breezy weather will rule on Sunday.

Extended Forecast

Today: Partly cloudy. NW winds 10-20 mph. High 69°F (21°C). Tonight: Mostly cloudy with scattered showers. Light winds. Low 53°F (12°C).

Tomorrow: Mostly cloudy with showers and thunderstorms. Variable winds 10-25 mph and gusty in thunderstorms. High 65°F (18°C).

Sunday: Partly cloudy and breezy. NW winds 20-30 mph. High 59F (15°C). Low 46°F (8°C).



Situation for Noon Eastern Daylight Time, Friday, May 7, 2010

Weather Systems	Weather Fronts	Precipita	tion Sy	ymbols	Other Symbols		
			Snow	Rain		Fog	
High Pressure	Trough		*	•		rog	
• •	Warm Front	Showers	∇	$\mid \nabla \mid$	l T.	Thunderstorm	
Low Pressure	warm Front	Light	*	•	0	Haze	
_	▲▲▲▲ Cold Front	Moderate	**				
8 Hurricane		Moderate	24242			led by MIT	
3 maricane	Stationary Front	Heavy	**	•••	Meteorology Staff and The Tech		

Cancer society criticizes federal panel as overstating risk

By Denise Grady
THE NEW YORK TIMES

A dire government report on cancer risks from chemicals and other hazards in the environment has drawn criticism from the American Cancer Society, which says government experts are overstating their

The government's 240-page report, published online Thursday by the President's Cancer Panel, says the proportion of cancer cases caused by environmental exposures has been "grossly underestimated." It warns of "grievous harm" from chemicals and other hazards, and cites "a growing body of evidence linking environmental exposures to cancer."

Children are especially vulner-

able, the panel says. It urges the government to strengthen research and regulation, and advises individuals on ways to limit exposure to potential threats, including pesticides, industrial chemicals, medical X-rays, vehicle exhaust, plastic food containers and too much sun.

A cover letter urges President Barack Obama "most strongly to use the power of your office to remove the carcinogens and other toxins from our food, water and air that needlessly increase health care costs, cripple our nation's productivity, and devastate American lives."

Nearly 80,000 chemicals are in use in the United States, and yet only a few hundred have been tested for safety, the report notes. It criticizes the nation's regulatory approach,

calling it reactionary rather than precautionary, which means that the government waits for proof of harm before taking action, instead of taking preventive steps when there is uncertainty about a chemical. Regulation is ineffective, the panel says, in part because of inadequate staffing and financing, overly complex rules, weak laws, uneven enforcement and undue industry influence.

The report looks at contaminants from a variety of sources: industry, agriculture, air and water, medical imaging and contaminated military sites. It also considers natural hazards, like radon gas in homes and arsenic in drinking water. The report concludes, "At this time, we do not know how much environmental exposures influence cancer risk."

In Washington, Toyota's problems lead to a new appetite for car safety

By Micheline Maynard

THE NEW YORK TIMES

In the new world of auto regulation, cars could be required to have "black boxes" to record crash data and be able to stop even with the engine at full power. Automakers could be ordered to recall defective vehicles immediately and pay safety fees to cover the costs of federal oversight.

For the first time since Firestone tires were exploding on Ford Explorers a decade ago, Congress on Thursday began working on legislation that would impose far-reaching safety standards on the auto industry, including some steps that advocates have been seeking for years.

What began in September as a crisis for Toyota, which has recalled more than nine million vehicles worldwide because of safety issues involving accelerator pedals, has become a catalyst for regulatory change. And the effort looks to have support, at least for some features, in the Obama administration, both political parties and the industry itself.

"Fortunately, or unfortunately, the Toyota circumstances have focused everyone's attention on what needs to change," said Ami Gadhia, the Washington policy counsel for Consumers Union, the parent of Consumer Reports magazine.

Rep. Henry Waxman, chairman of the House Energy and Commerce Committee, which held a subcommittee hearing on Thursday, and Sen. John D. Rockefeller IV, who heads the Senate Commerce Committee, have prepared parallel bills that are serving as the general framework for the proposals. More hearings are expected in both houses in the coming weeks.

Group backs ritual 'nick' as female circumcision option

In a controversial change to a longstanding policy concerning the practice of female circumcision in some African and Asian cultures, the American Academy of Pediatrics is suggesting that American doctors be given permission to perform a ceremonial pinprick or "nick" on girls from these cultures if it would keep their families from sending them overseas for the full circumcision.

The academy's committee on bioethics, in a policy statement last week, said some pediatricians had suggested that current federal law, which "makes criminal any nonmedical procedure performed on the genitals" of a girl in the United States, has had the unintended consequence of driving some families to take their daughters to other countries to undergo mutilation.

"It might be more effective if federal and state laws enabled pediatricians to reach out to families by offering a ritual nick as a possible compromise to avoid greater harm," the group said.

"I am sure the academy had only good intentions, but what their recommendation has done is only create confusion about whether [female genital mutilation] is acceptable in any form and it is the wrong step forward on how best to protect young women and girls," said Rep. Joseph Crowley, D-N.Y., who recently introduced a bill to toughen federal law by making it a crime to take a girl overseas to be circumcised. "FGM serves no medical purpose, and it is rightfully banned in the U.S."

Georganne Chapin, executive director of an advocacy group called Intact America, said she was "astonished that a group of intelligent people did not see the utter slippery slope that we put physicians on" with the new policy statement. "How much blood will parents be satisfied with?"

—Pam Belluck, The New York Times

FCC outlines plan to control broadband, but not rates or content

WASHINGTON — The chairman of the Federal Communications Commission outlined a plan on Thursday that would allow the agency to control the transmission component of high-speed Internet, but not rates or content.

In announcing the FCC decision, Julius Genachowski, the commission's chairman, said the agency would begin a process to reclassify broadband transmission service as a telecommunications service, subjecting the Internet to some of the same oversight as telephone services.

But, he said, the commission would also exempt broadband service from many of the rules affecting telephone service, seeking mainly to guarantee that Internet service providers could not discriminate against certain applications, Internet sites or users.

The approach would specifically forbid the commission from regulating rates charged by telephone and cable companies.

—Edward Wyatt, The New York Times

Techiya by any other Name

a Jewish a cappella concert

Featuring the Honorable Menschen



Sunday, May 9 8:00 PM 6-120



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LETTERS

Respect the U.S. national anthem

I have been a soldier for the past 16 years in the U.S. Army, and am currently assigned here at MIT ROTC to educate future leaders for the U.S. Army. On April 23d, at about 2 p.m., my Unit along with all other ROTC units at MIT were conducting a practice for our Pass and Review Ceremony on the Barry Astroturf Field. We had an Air Force band playing music for the ceremony. The iFair (International Fair) was taking place in the grassy area next to Kresge Auditorium a short distance away, and was also playing music.

I went to the iFair and was approached

by four people, who appeared to be international students, in charge of the event. To prevent interference with the Air Force band, I requested that they not turn off their music, but instead redirect the speakers away from the Astroturf field. One of these individuals then asked when we would play the National Anthem so they could completely turn off the music. Unfortunately I could not give an exact time, only a general time range.

Without further prompting, they voluntarily turned off the music during the playing of our National Anthem as a measure of respect and resumed playing music only after the national anthem was complete. While our National Anthem was playing, I saw a group of people who appeared to be students from the United States based on their accents and language,

who were playing Frisbee in the Henry Steinbrenner Stadium and Track. This group did not react to the national anthem, even though it was clearly audible across the field.

I think it is a shame that people born and raised in the United States of America do not take the approximately 1 minute and 37 seconds to pause and honor those that have come before us. I ask that when you hear the national anthem being played that you give the same respects that you would take at the beginning of any sporting event. I would like to thank all of those who organized the iFair for reminding me why I serve in the U.S. Army and why I am very proud to do so.

—Adam L. Cook Sgt. 1st Class, US Army MIT Army ROTC

A new problem for a new age

Distracted driving doesn't fit the mold of previous roadway dangers

By Ethan Solomon

OPINION EDITOR

On Monday, U.S. Secretary of Transportation Ray LaHood made the case to an audience of MIT students and faculty that technological distractions in the car constitute an "epidemic" — each year, 6,000 people die because someone was texting or making a call while on the road. And Secretary LaHood is right. Distracted driving is a problem. But the Department of Transpor-

tary LaHood is right. Distracted driving is a problem. But the Department of Transportation's plan to tackle this challenge in the same way they taught us to wear seat belts and not drive drunk might have some problems of its own.

Secretary LaHood pointed out that the

"distraction" while using a cell phone or GPS while driving is principally cognitive — research has shown that there seems to be a limited amount of attention that can be deployed to any one task at any one time. The catch here, though, is that it's often difficult to realize exactly how little attention is being devoted to driving when other tasks are competing for attentional resources. The result, like in the case of drunk driving, is that drivers dangerously misjudge their actual ability.

At the same time, distracted drivers think they're getting something in exchange for their potentially risky behavior: productivity, of some form or another. Cell phones and smartphones let drivers kill two birds with one stone, by getting office work done while going to the office. People who don't have those kinds of work obligations, like teenagers, can still be "socially

productive" by driving and talking or texting. Everybody sees the appeal, and nearly everybody with a cell phone does it at some point or another.

Compound peoples' desire to multitask on the road with the market forces in play to feed that desire. Fast food chains, cell phone accessory manufacturers, GPS manufacturers and even software developers all stand to profit when they target a previously untapped chunk of American time: the commute. They depend on the fact that when people are driving, they aren't just driving.

The DOT needs to recognize that the distracted driving problem is fundamentally different from seat belt and drunk driving concerns of the past. First, driving drunk or without a seat belt confer much less tangible advantages to the driver, relative to the risk of those behaviors. The only conceivable reason not to wear a seat belt is an issue of comfortability, and people who choose to drive while drunk do so because they have impaired cognition. Checking e-mail or taking calls, on the other hand, seem like reasonably productive ways to spend time and have real payoffs. Drivers might guage the "importance" of a call relative to their vague sense that driving while talking isn't optimally safe. When they take they call, no matter what it is, they have judged incorrectly — no call is important enough to take while driving, since drivers have the option of simply pulling over.

Second, it's much less obvious to the driver that multitasking is a truly risky behavior. Except for the case of lap-belts, no-

body who chooses to wear a seat belt can make an argument that they are just as safe as a strapped-in passenger. The "cognitive distraction" posed by cell phones and in-car technology is such that drivers are unaware of what they can't see thanks to diminished attention; see work by former MIT professor Jeremy Wolfe on similar phenomena. From the driver's perspective, even while using a hands-free headset, they can still "see" everything on the road. But even for experienced drivers, this is an illusion.

When I had the chance to speak with Secretary LaHood on Monday, he noted the success of "Click it or Ticket" and drunk driving campaigns, and felt that with highly visible enforcement and increased awareness of distracted driving dangers, today's problem could be fought in a similar way as vesterday's. To be sure, he noted that technology might have a special role to play in preventing distracted driving, and that is important. But his support for technological innovation should have been matched by support for innovative behavioral approaches. Instead, the Secretary could not point out to me how the DOT might be adapting their educational strategies of previous decades for a new age.

Fortunately, the DOT does recognize that there is no technological "magic bullet" to stopping the distracted driving epidemic, and emphasized a multi-pronged approach combining technology, education, enforcement and legislation. But Secretary LaHood and his administration should be mindful of the fact that distracted driving is a new problem that calls for a new strategy.

Bringing MIT technology to the world

The Institute should take the lead in bringing medical innovations to developing countries

By Karolina Maciag, Mary Xu, Leonid Chindelevitch, Sarah Mok, Jess Ho, and Manjae Kwon

MIT announced this week that it would be assisting neglected disease research by putting its patents into a patent pool sponsored by pharmaceutical company GSK for use by neglected disease researchers around the world. As a major academic innovator, it is important that MIT look to increase the global impact of its medical innovations. But is MIT doing enough?

MIT develops patented technologies in many areas that can have a potentially profound impact on global health. New treatments emerge each year for diseases such as HIV/AIDS, cancer, heart disease and diabetes. These diseases have strong

markets in the United States and are by no means "neglected," yet the majority of the burden for these diseases lies in developing countries: For example, the World Health Organization estimates that 80 percent of deaths from diabetes occur in low and middle-income countries. Despite this enormous need, new treatments for these

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OPINION POLICY

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Steve Howland, Editor in Chief Jeff Guo, Managing Editor David M. Templeton, Executive Editor Natasha Plotkin, Opinion Editors Joseph Maurer and Ethan Solomon, Contributing Editor Michael McGraw-Herdeg, and Advisory Board member Andrew T. Lukmann.

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Three simple steps to group project success

Learning to form cohesive teams will make all of your projects run smoother

By Elizabeth Ohrt

Group. Project. These are possibly two of the most dreaded words to an MIT student, inducing fears of getting stuck with the slacker partner or pulling an all-nighter to throw together a half-effort project. At least, this is how those two words make me feel. So when I heard that I would be working on not one but *three* group projects in my classes this semester, I was dismayed, to say the least.

The biggest of these projects is a semester long research project in a lab class, for which I have so far invested upwards of 20 hours a week, one all-nighter and countless late nights with my two partners. The class has a required team building component, one that we were all contemptuous of at first. Team building? Setting ground rules? Why should we waste our time learning things like *that* when there was real work to be done?

Although we all wanted to jump right into our research projects, we weren't given a choice. Instead, over the course of a four-hour team-building lecture, we established ground rules for the semester and started getting to know each other. Thanks to this, my three-person team became more cohesive than I could have imagined. We know each member's personality and commitments, and have adopted a "we're all in this togeth-

er" attitude.

The value of that team building became even more apparent when I started a group project in a different class. This short, intense four-week project required creativity and collaboration; a positive group dynamic was sure to make it more successful. Although we were encouraged to get to know each other and choose a group leader, this was nothing compared to the highly structured team building I experienced in my lab class.

As a result our project got off to a rocky start and we quickly fell behind schedule. We had a hard time establishing how and when we were going to communicate and weren't able to split the workload effectively because we didn't understand each other's commitments. The project got done, as they always do, but it could have been a better experience for everyone if we had used the techniques I learned in my lab class.

Just like my classmates in lab, most MIT students resist the idea that teamwork is important like oil resists mixing with water. And through my experiences this semester, I've seen that even when suggestions for how to have a successful team experience are offered, the process is not organic.

As you read in last week's article about internships, building trust, loyalty and commitment in a team is vital to the success and

sanity of everyone involved. And learning how to lay the foundation for a strong team is a skill that will be valuable even beyond the MIT bubble.

So take a risk: challenge your group's aversion to team building and take a few simple steps to put your group on the path to success

1) Set some ground rules. Decide who will do what by when and make sure that everyone commits to doing their part. Lay out a method for how, when and how often you will communicate as a group. Use texts, email, Dropbox and Google docs to make sure your team is on the same page.

2) Get to know your group members and understand their commitments. What are they involved in on campus? What do they have going on in their other classes? This part is especially vital to understanding how to divide up workloads. But don't just stop at learning about their commitments. Building relationships with your group members shows them that they are important to the team and will strengthen their loyalty to the project

3) Don't be afraid to step up and be the team "coordinator." This doesn't mean that you need to be the taskmaster or the one who does all the work. It's a role that you can fulfill simply by keeping track of the group's prog-

If you're interested in learning more about leadership or teamwork, check out the following books:

- How to Win Friends and Influence People by Dale Carnegie
- Leading Change by John P.Kotter
- The Leadership Challenge by Jim Kouzes and Barry Posner

ress and facilitating communication.

Ultimately, effective team building takes practice and the ability to relate to different people in different situations. You can join clubs, project teams or programs like the MIT Gordon Engineering Leadership Program to gain this valuable experience.

Eventually our time at the Institute will come to an end and we will step into a world where our success depends on how well we perform as members of a team. So stop dreading the words "team project" and think of group work at MIT as an opportunity to learn skills that will someday enhance your career.

This article is the last in a four-part series written by students in the Gordon-MIT Engineering Leadership Program. Elizabeth Ohrt is a junior in the Department of Chemical Engineering.

ON CAMPUS

The goals of Palestine Awareness Week

The depictions of Israel may not be pretty, but they're true

By Adam Mustafa

In very few ways does the Israeli-Palestinian conflict "resemble domestically sticky political conflicts in the United States." Still, people would have you believe otherwise. People would have you believe that the conflict is merely a squabble over land, with hardheaded opponents on each side, or a poorly managed government soiling an otherwise unanimous peace. Most people know how difficult it can be to get steadfast opponents to agree on anything. So, is this the case here?

Matt Fisher wrote an opinion article in *The Tech*, titled "What are the Goals of Palestine Awareness Week?" He states that, "the analysis can support any statement. This type of debate leads to circular, unproductive conflict and rhetoric. We get too caught up in arguing over inconsequential facts, and rarely talk about what we want out of a resolution."

He then continues to deliver his own rhetoric about how the situation isn't bad,

making it seem as if the Palestinians are simply complaining. After all, "Israel also provides the majority of power and fuel to Gaza and the West Bank." Surely that is reason enough to give praise to Israel? Maybe not, considering The United Nations says that: "Much of the population of the Gaza Strip continues to live without electricity, though some parts of Gaza City (fewer than 50,000 people) are now receiving electricity for 3-6 hours per day."

As a MIT student, I appeal to the data. According to B'TSELEM, an Israeli human rights organization, and the UN Office for the Coordination of Humanitarian Affairs, 6,348 Palestinians and 1,072 Israelis have been killed since September 2000. Moreover, B'TSELEM further elaborates on the deaths by saying that 2,192 of the Palestinian deaths were Palestinians who did not take part in the hostilities and were killed by Israeli security forces. That figure does not include the recent attack on Gaza, where over 1,000 Palestinians lost their lives. According to If Americans Knew, an organization critical of

Israel, 24,145 Palestinian homes have been demolished, yet zero Israeli homes have been destroyed. If Americans Knew also states that 39,019 Palestinians have been injured in comparison to 8,864 Israelis. These are facts, not rhetoric.

So what is the goal of Palestinian Awareness Week? It is to educate and inspire the MIT community to help in putting an end to the wanton abuse of the Palestinian people in the Gaza Strip and West Bank. Yes, values and point-of-view matter, but I think few would argue with the right to live and the right to have water. I don't think any Americans believe any peaceful civilian deserves to live under constant attack, his/her home riddled with gunfire. The goal of PAW is to stop these practices. Yes, the Governments on both sides need work. There are few people who would say Hamas is doing a sufficient job, even if, despite "representing" an occupied territory, the Council on Foreign Relations says that approximately 90 percent their work goes to social, welfare, cultural, and educational activities. But few mention the errors of Israeli government, the occupying government, and its cruel policies to the Palestinian people.

Is Palestine Awareness Week aimed at badmouthing Israel? No. Admittedly, the picture of Israel that is painted is not a pretty one. However, it is not the events of Palestine Awareness Week that created that image; they are merely presenting the facts. And considering that events such as Getting Involved: Abroad Initiative in Palestine were mostly concerned with humanitarian projects, the allegations of rhetoric seem a little undeserved. The message of PAW is not simply that Palestine should be a country or that we want a resolution. The primary message is that the first step to an end goal is to stop the death, destruction, and disrespect of a vastly defenseless people. But I do agree with Mr. Fisher on one thing; we should stop the rhetoric. We need action. Human lives are in the balance.

Submitted by Adam Mustafa '11 on behalf of Palestine@MIT. Mustafa is the President of Palestine@MIT.

MIT should share discoveries with developing nations

Intellectual property, from Page 4

diseases too often are priced out of reach for patients in developing countries.

What can universities do to make sure the products developed in our labs reach the people who need them the most? MIT can provide part of the answer by joining a new multi-university initiative that calls for collaborative efforts to bring about equitable dissemination of medical technologies. We urge MIT to support this important development.

In November of 2009, the Association of University Technology Managers and a core group of six major research universities, including Harvard University, released the landmark "Statement of Principles and Strategies for the Equitable Dissemination of Medical Technologies." By endorsing the principles outlined, institutions commit to a flexible range of global access licensing practices. One such practice is to require its licensees — the companies that develop and commercialize academic technology - to price their products affordably in developing countries. Another option for the signatories of the statement is to liberalize access to medically relevant intellectual property in poor countries, while retaining strict patent protections elsewhere.

The benefits of such behavior can be tremendous. Ten years ago, researchers at Yale University developed an antiretroviral drug, stavudine, which revolutionized treatment options for patients with HIV. Yale licensed its technology to Bristol-Myers Squibb, which developed and commercialized the drug. For the poor in AIDS-stricken countries, however, stavudine was priced far out of reach. AIDS continued to be a death sentence to those people until a generic manufacturer, Aspen Pharmaceuticals of Cape Town, stepped into the market in South Africa with a 96 percent reduction in price. Bristol-Myers filed a lawsuit against Aspen for patent infringement, but widespread outrage and negative publicity forced Yale and Bristol to drop the suit - with no negative financial effect for either party.

The statement has now garnered 23 endorsements from institutions including the National Institutes of Health, the Center for Disease Control and Prevention, Massachusetts General Hospital and Brigham and Women's Hospital. MIT was asked to join the initiative, but declined. As MIT students, we find this stance difficult to reconcile with

MIT's mandate to advancing technology in the public service, and its mission to "bringing knowledge to bear on the world's great challenges."

The impact that generic drugs have had on the developing world is unquestionable. Generic antiretrovirals, key drugs in the treatment of HIV/AIDS, are often ten times cheaper than their branded equivalents. By procuring generic antiretrovirals, the U.S. federal AIDS relief agency PEPFAR saved \$64 million in 2007 alone, which has made medication available for countless people suffering from HIV/AIDS.

Drug developers that agree to allow generics lose little. Less than five percent of a pharmaceutical company's revenue is generated in the developing world. By giving up a portion of this already small profit, drug developers provide an avenue to affordable life-saving medicines, vaccines, diagnostics, and devices to millions of people who survive on less than two dollars a day. In addition, humanitarian licensing generates positive publicity by helping the developing world.

As the forerunner of research universities in terms of volume and quality of patents registered, MIT possesses the respon-

sibility and power to shape the landscape of global access licensing. In 2009 alone, MIT acquired 153 U.S. patents, filed 131 U.S. patents and disclosed 501 inventions. Upon endorsing the statement of principles, MIT would take a leadership role, contributing to best-practices with other members of the endorsee consortium and contributing to revisions of this living document every two years.

In the past, MIT has taken bold steps toward increasing public access to the fruits of our innovation. MIT pioneered a mandate, the most progressive of its day, to open access to MIT-published research literature in 2009. OpenCourseWare made our cutting-edge teaching available to any English speaker with an Internet connection. We look forward to MIT reasserting its leadership in the ethics of science in the service of humanity by endorsing global access licensing for academic medical technologies.

Karolina Maciag is a MD/PhD Candidate at Harvard Medical School/MIT (HST). Mary Xu is a member of the Class of 2011. Leonid Chindelevitch is a PhD Candidate in the Department of Mathematics. Sarah Mok Class, Jess Ho, and Manjae Kwon are members of the Class of 2010.

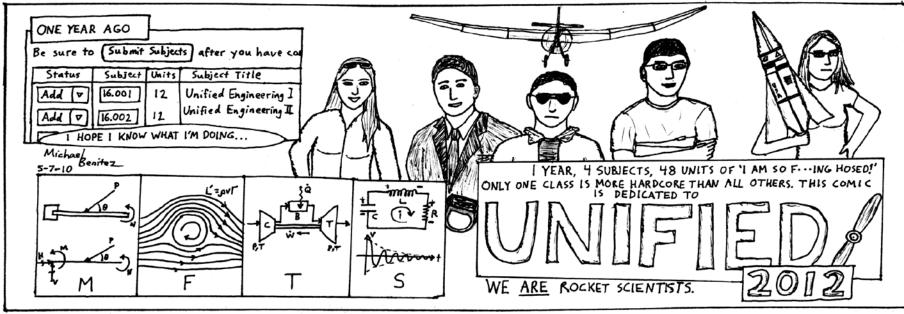
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Steal My Comic by Michael Ciuffo

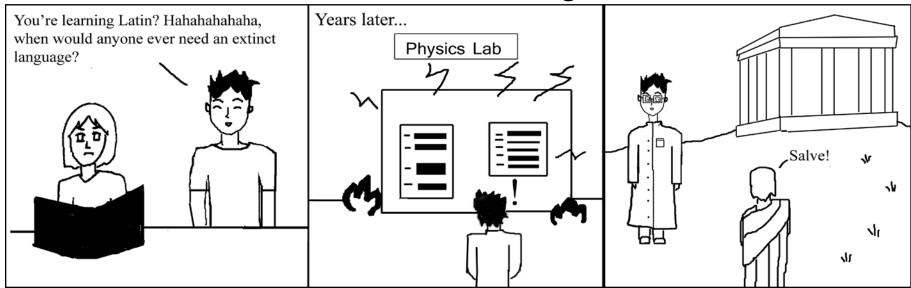


STEALMYCOMIC-COM

Help Desk by Michael Benitez



Somewhere on the Search for Meaning... by Letitia Li



Crossword Puzzle

Solution, page 13

ACROSS

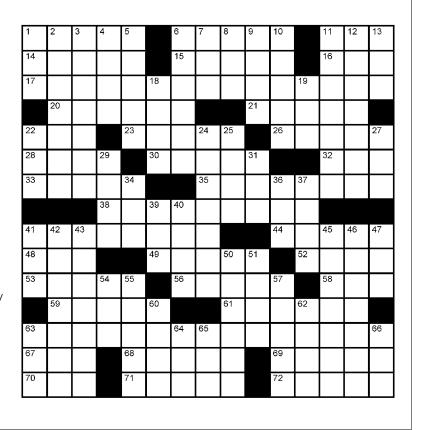
- 6 Period on the job 11 QB's pursuit
- 14 Bandleader Shaw
- 15 Listens to
- 16 Day's end, in poems 17 Start of a quip
- 20 Rugged ridges
- 21 Ticket details
- 22 Pindar product
- 23 "Bellefleur" author 26 Removed moisture
- 28 Caution
- 30 Strained
- 32 Paul Anka's "__ Beso"
- 33 Curvy letters
- 35 Dining option 38 Part 2 of quip
- 41 Ice cream option
- 44 Supporting group
- 48 Dolphin Marino
- 49 Honest!
- 52 Cartographic speck
- 53 Big name in rap
- 56 Actress Berger
- 58 Avoirdupois unit

- 59 Arledge of ABC sports
- 63 End of quip
- 67 Shoshone
- 68 Old newspaper sections
- 69 Church officer
- 70 Dropout's doc.
- 71 Missouri River feeder
- 72 Luges

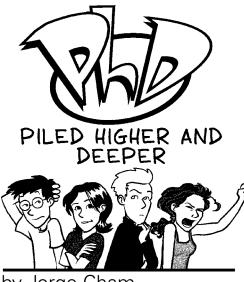
DOWN

- 1 CAB's successor
- 2 Fleet groups
- 3 Intense lookers 4 Fork part
- 5 Melee 6 California peak
- 7 __ up (excited)
- 8 Descartes' conclusion
- 9 Italian monks
- 10 Clicked one's tongue
- 11 More irritable
- 12 Hardest to penetrate
- 13 Winter ATV, __-Cat 18 Warm up
- 19 Musician's pride
- 22 Be obligated

- 24 Case in point
- 27 Buck lover
- 29 Headline material
- 31 N. or S. state
- 34 As written: Lat.
- 36 Pau pronoun 37 Vino region
- 39 Nol of Cambodia
- 40 Writer Anita 41 Unmatched
- 42 Tell the tale
- 43 Funded
- 45 Spanning
- 46 Bowled over
- 47 Marsh
- 50 Cut into
- 51 Greek letters
- 54 Rogers of oaters
- 55 Latin American January
- 57 Grate deposit
- 60 Aphrodite's child 62 Renowned archer
- 63 Loutish fellow
- 64 Amtrak stop
- 65 Overeater
- 66 Grads-to-be



THE TECH 7 Friday, May 7, 2010



by Jorge Cham

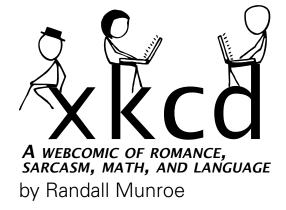


How to tell the difference between a tenured and an untenured professor: Walking speed Tenure **Emeritus** Year as a professor



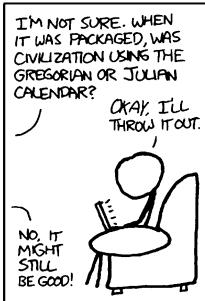
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Yogurt









again for the two weeks preceeding that date.

FUN FUN FUN FUN FUN FUN FU

I am firmly of the opinion that if something doesn't have a year on it, every time the expiration date rolls around it is good



Sudoku

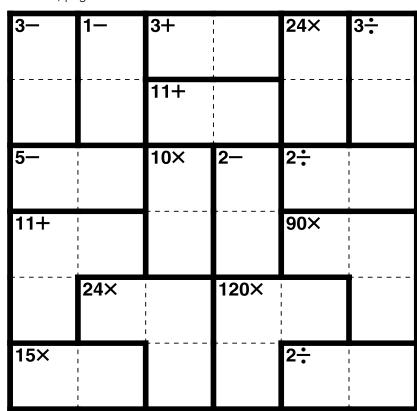
Solution, page 13

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

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

Kenken

Solution, page 13



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1 through 6. Follow the mathematical operations for each

DOUBLE SOY LATTE, PLEASE!

You say good pie, I say hello

Petsi Pies serves up classic American baked goods in a funky-fresh atmosphere

By Tracy Kambara

Businesses that alliterate their names make me nervous. As in, "Lovely Loyal Landscapers," "Cool Carpet Cleaners," or perhaps worst of all, "Julie's Jubilant Jewelry Shop". That last one conjures up images of a fourteen year-old girl with braces and pigtails making lanyards in her room, selling them from her front porch, getting the change wrong and definitely not filing her taxes. But thanks to the recent announcement by the mighty mindful MWRA to boil Boston's broken pipe water, I found myself café-hopping on the safe side of the river and quite spontaneously stumbled into Petsi Pie. With a name like that, located in a neighborhood full of quaint front porches near Harvard Square, I couldn't help but be highly skeptical.

I should really deliver a formal apology to Petsi Pies for passing judgment before trying it out, because this place was fantastic. More bakery than coffee-

house, Petsi Pies fills a void in the market for people looking for a place to work and socialize while munching on homemade baked goods and rustic sandwiches. The hum of the kitchen combined with other people's conversations created a comfortable din, where you can get away with laughing out loud while watching "Single Ladies Devastation" on YouTube. As long as you don't come for lunch (which is when they turn off their free wi-fi anyway), you can find seating — if you're open to occasional elbow-bumping. Case in point: I shared a moment pointing and laughing with the stranger sitting next to me by the window while watching a Range Rover parallel-parking fail unfold before our eyes.

I forgive Petsi Pies for their alliterated name because they actually serve up delicious pies. I don't particularly care for fruit pies and I still loved my hand-sized slice. The filling had soft chunks of both rhubarb and strawberry, but my favorite part was the crust. It was buttery and subtly sweet, not overly dry and crumbly. The

ratio of filling to crust was just right, so that neither part overwhelmed the other with each bite. I can even forgive them for having a broken espresso-maker, because their iced coffee was flavorful, not bitter and burnt. I'll definitely be back for my double soy latte.

Aside from the precious pies and delicious drinks, what completely eliminated my preconceived notions about Petsi Pies was the service. The employees know what they're doing and go the extra mile. They weren't pushy or rushed, and a charming employee described each of their pies to me, the obviously indecisive newbie. I only regret not asking him to explain the difference between apple pie "classic" and apple pie "chrome" (I was too busy laughing). Later, they sent off their supply delivery man with a free iced coffee. And when a customer sauntered off without her credit card, the same charming employee sprinted outside at full speed for a whole block to return it to her. Maybe this kind of appreciative, treating-customers-like-family courtesy

Petsi Pies
31 Putnam Ave.
Cambridge, MA 02139
Travel time from 77 Mass
Ave: 16-20 minutes by Bus

is the flip side of alliterated homegrown businesses that I never thought about before

I don't expect become a fan of "Carla's Cat Cradle" or "Glinda's Granite Gifts" anytime soon, but Petsi Pies has disproved my theory about alliterated businesses. I know I sound like the pie version of Bubba from Forrest Gump, but my must-try list for the future includes blueberry pie, Bourbon chocolate pecan pie, Mississippi mud pie, roasted vegetable pie, and Spanish ricotta pie. And topping it all off will be an ice-cold latte. Nice weather, here I come.

INTERVIEW

SARTSARTS ARTS ARTSARTSART

On pop, technology, and the 90s

The Tech gets the details from Ryland Blackinton, guitarist of Cobra Starship

By Maggie Liu

ARTS EDITOR

Cobra Starship, the dance/synth/pop group will be coming to Boston on May 9 at the House of Blues. I was fortunate enough to get the opportunity to speak with the articulate and thoughtful Ryland Blackinton, the guitarist, about the band, Boston, and music. Thanks to Kelly McWilliam from Atlantic Records for making it happen.

TT: From my understanding, you actually used to live in Massachusetts? What do you think of the Boston concertgoers and dynamics of the crowd?

RB: I love to going back to Massachusetts — I always have lunch with family and that's always a lot of fun. I always get at least a free dinner out of it. The fans are great, and I always feel in touch with them when I'm back.

TT: I understand that you were involved in the band This is Ivy League. The music is much more folksy and whimsical I'd say than Cobra Starship. Were you originally looking to go into that genre when you thought of starting a band?

RB: When Alex and I started This is Ivy League, yeah, I'd say our music was like that. I mean, it's all pop. I love pop music and I love playing pop music for the last couple of years but that's what my music first sounded like....it all falls under the realm of pop.

TT: What's Cobra Starship's creative process?

RB: It's a big collaboration between all of us. There's no set creative process...above all else, we try to have a good time and keep it light and funny and...we figure that it better be fun when we're doing it. Musically, Gabe (Saporta, vocalist) writes the song titles and gets the creative titles and does the lyrics; Alex (Suarez, co-member of This is Ivy League and bassist of Cobra Starship) and and I start the songs with electronic beats.

TT: One of the tracks from your newest album featured Leighton Meester, the actress from the hit show Gossip Girl. What was it like working with her? Also, do you watch the show?

RB: We said we'd love to work with her once but it was as kind of a joke but sure enough, six months later, there was just an opportunity for a gig to fly into the window. She's cool. My girlfriend was a fan of the show so I watched the first season. Gabe, on the other hand, I think he's seen the up to the third season? I haven't watched it lately.

TT: That song "Good Girls go Bad" brings me to this question — what's the most badass thing you've ever done?

RB: The most badass thing? I met Snoop Dogg and Paul McCartney; that was pretty

TT: You guys are currently on tour with



COURTESY OF FUELED BY RAME

Synthpop band Cobra Starship will be playing at the House of Blues in Boston this Sunday as part of the *Too Fast For Love Tour*. Guitarist Ryland Blackinton (right) sat down with *The Tech* for a quick chat.

3OH!3. What's the experience been so far?

RB: Yeah, we're on tour with 3OH!3 and also Travis McCoy. Our first tour was with Travis so it feels very natural and chill. 3OH!3 we met on Warped Tour and we hung out last night for Nate's birthday and we got pretty crazy. It's been a load of fun on the road.

TT: Have you guys continued to write music on the road or have you been focusing more on practicing and getting sleep?

RB: We do a lot of stuff electronically so we can do it on our laptops and we're able to start projects that way and we're usually working on stuff all the time. Once we get home to the studio, we can usually draw inspiration from NYC.

TT: Technology must have changed the way music's being made dramatically. What do you think about the role of technology in the music industry?

RB: I think in the last ten years, recording technology has become...really easy and intuitive for people. Almost all laptops come with a recording device and technology has really leveled the playing field- in a good way — for people who make music, and otherwise who might have not gone into making music. It's made music easier to make but sometimes recording tends to be a little too perfect, a little soulless; the next challenge will be to find a way to humanize stuff that is becoming very robotic and rigid. I think that's what it's like now...finding a way to

preserve, to implement human things like velocity and timing into this...sort of new technology that's black and white and very mathematic.

TT: What do you think of the collaborations between hiphop artists and rock artists? For instance — Kid Cudi & MGMT? Do you think Cobra Starship will have a future collaboration with a hiphop artist?

RB: We actually did collaborate with a hiphop artist in our last album- we worked with Bobby Ray (B.O.B.) on the song "The World Will Never Do". Chiddy Bang is gonna come up and we've been talking about doing a collab with him. We love to work with different groups

Terent groups

TT: What do you think about mashup?

RB: Mashup is pretty cool — we did a show with Girl Talk; mashup got a little played out at one time; I think it reached its expiration date but a lot of people still do interesting things and mashup definitely still has a place in popular music. I think it's good — people are sampling a lot more different types of music

TT: What are your current favoriate dance tracks?

RB: Ratatat — "Shempi"; Breakbot — "Baby I'm Yours", Daft Punk — "Something about Us"; and DBNM — "Justice."

TT: If you could only listen to one album for the rest of your life, which album would it be?

RB: That's a tough question. Well, Sgt.

Pepper's Lonely Heart Club Band is one of the best albums ever made but I may not be able to listen to it forever. Maybe the Beach Boys' Pet Sounds just because it's so beautiful

TT: How do you think pop has changed since the 90s? And where do you think it's going?

RB: I don't know... I didn't really listen to pop music until pretty recently; there were ten years that I didn't listen to the radio at all but in the last four years I've listened to the radio because it's part of my job and I do it to just to see what other people are doing ...it's definitely become more electronic and will continue to do that and I think there'll be a middleground between a more electronic and a more human sound. I listen to all sorts of stuff.

TT: What did you listen to during the ten years you didn't listen to the radio?

RB: I just got into a lot of older British invasion stuff — the Who, the Beach Boys, the Beatles. I just really focused on that music for like ten years or so and that was during the period where I was really into guitar, old music, playing the piano and stuff. Nothing was grabbing my attention. There was definitely a lull in good music at the time but there's a lot of cool and interesting things now. Ratatat and Kid Cudi collab is really cool, and I think the current scene is bringing out underground artists and hopefully will continue to do so.

INTERVIEW

No such thing as too much rhythm

White Rabbits chat about tour, beats and life

By Charles Lin

The White Rabbits put on a show last Saturday night I can only describe as a whirlwind of rhythm someone lobbed a grenade into. Their songs are constructed from the shambles and wreckage. A descending piano line here, a trebled vibrato of guitars, and the strain of vocals, all scattered and re-assembled in the deafening echo chamber of that neverending percussion.

Luckily before my ears were obliterated, I was able to ask the band a few questions about life on the road and their most recent album, It's Frightening.

TT: How was Coachella? I wish I could have been there. Which shows were you really excited to catch?

WR: Coachella was good. The weather was amazing. Major Lazer, Spoon, Pavement, Thom Yorke and especially Gorillaz.

TT: "Percussion Gun" (the lead single), with its driving and forceful rhythm line, sets the tone for *It's Frightening*. What do you think this album is about thematically? What's so frightening?

WR: The theme that we wanted to convey was that of ambiguity or the clear lack of a theme. Nothing is actually "frighten-

ing". We wanted a title that was open for interpretation. Actually we wanted that space for personal interpretation to be present as much as possible.

TT: On a less serious note, is there such thing as too much percussion?

WR: Yes. But there can never be enough rhythm.

TT: Socal or the Northeast. Preferences? WR: I can't shed any new arguments on this one but I call New York home.

TT: Your wiki page used to say the band pretended to be from Brooklyn? Any truth to this? Do you miss Missouri?

WR: That's amazing. I miss my friends back home the most. There are things I miss about it for sure but nostalgia isn't really my thing. And yes we do live in New York. It's not a hoax.

TT: Working with Brit Daniels. What did you take away from that experience?

WR: I had never really had a relaxing time in the studio before recording this album. Britt was able to keep us on task while we had fun and tried out different sounds. Which can be frustrating a times.

TT: Some reviews have noted that It's Frightening feels and sounds a lot like a Spoon album. Are there similarities? Where do you feel the band puts its stamp on the material?

WR: Yeah. It's weird to me to hear that, obviously. I think there are similarities to how we approach music. But to be honest I love those guys and if people want to make comparisons that's fine. It's a free country. But I will say that if you resist the need to constantly compare bands to each other you can really enjoy the music that much more, and isn't that what it is about.

TT: You recently recorded an amazing Take Away show in L.A. (http://www. blogotheque.net/White-Rabbits, 5088). Could you describe that experience? What The White Rabbits At the Paradise Rock Club May 1, 2010

do you find appealing about recording in such an open and minimal format?

WR:That was a fun day. It's nice to be able to do things like that while on tour to break up the routine. That whole day was improvised and everyone just worked with what we had. It definitely was a unique experience since we typically don't play on

TT: The band has 37 tour dates in two months. Do the shows blur together? How do you make each night unique?

WR: They most certainly do blur together. But the show is what it's all about. The show is the fun part. The reason you sit in a cramped van all day. We still enjoy playing shows and trying to play good

TT: Does being on tour help with writing new material or do you need time away from the road to create?

WR: You can have a million ideas on the road. The problem with that is you don't have the opportunity to record them. We are trying to figure out some ways to work on the road.

TT: What's been your favorite on stage experience on this tour?

WR: There have been a lot of really great times. Our last show in Australia at southbound was really fun.

TT: Your tour ends right around the time we finish school. What will you be doing for summer vacation?

WR: Writing, mending relationships



CHARLES LIN-THE TECH

The White Rabbits launch into the percussion-heavy "Rudie Fails" from their latest album It's Frightening at the Paradise Rock Club last Saturday.

CONCERT REVIEW

A misty-eyed 'Sing Delivery' wraps up the year

The heartfelt performances at the Chorallaries spring concert got even the audience teary

By Emily Nardoni STAFF WRITER

Last Friday, April 30th, the Chorallaries of MIT sang in their annual spring concert, aptly titled "Sing Delivery" by virtue of the fact that the sophomores' Ring Delivery fell on the same night. The Chorallaries are MIT's oldest coed a cappella group, known for their ambitious arrangements and solid vocals. This last concert served as an enthusiastic showcase of both their never-before-

heard singles and classics from years before. The group's newest songs were rich in variety and emotion, ranging from the more somber "Feel" — originally by Robbie Williams and featuring soloist Michael A. Chen '12 — to the upbeat mashup of "Love Drunk" by Boys Like Girls and "Battlefield" by Jordin Sparks. "Mercy" by Duffy was a crowd hit and my personal favorite; the soulful performance (arranged by Jamal A. Elkhader '13) captured the true spirit of the Chorallaries with its dynamic rhythms, intricate interweaving of background voices, and stellar solo by Mairead F. Daniels '12. As all of the Chorallaries' performed songs are arranged by members of the group, such a successful string of new songs goes only to speak for the talent of its members.

The second half of the show consisted of old songs: the graduating seniors' first solos. These senior singouts portrayed the rich history of both the group as a whole and the individual senior soloist. Each of the six members from the Class of 2010 received a gift from the group and a heartfelt speech by an underclassman close to them before performing their song. These performances ranged from the classic Chorallaries' staple "Africa" by Todo (sung by Jared C. Sadoian '10) to the largely rap-based "Papercut" by Linkin Park (Michael R. Blaisse '10). It was at this point in the show that everyone — the audience included - started getting emotional. Yelena S. Bagdasarova '10 gave a tender rendition of "Rainbow Connection" by Kermit the Frog that had a good quarter of the group crying. This focus on the seniors gave the audience a glimpse into the group's character and provided a nice contrast to Bad Taste — their raunchy exhibition of everything obscene back in February.

The fact that the concert Friday night packed 10-250 even as a wide array of other campus events were happening speaks volumes for the group's popularity and reputation for excellence. As usual, the Chorallaries remain an exciting source of a cappella entertainment on campus.

This year marked a recording year for the Chorallaries, who switch off annually between recording, touring, and competition. Their newest CD, Stereophony, was officially released the night of their concert. Buy it online at http://choral.mit.edu/store for \$15.

The Chorallaries Sing Delivery 10-250 **April 30, 2010**



Cecilia R. Louis '10 belts out an encore performance of "Halo" at the Chorallaries' Annual Spring Concert last Friday. Falling on the same night as Ring Delivery, the concert, "Sing Delivery," still drew enough people to fill 10-250.

Mapping out the Friend Zone

Assuming it actually exists, that is

By Michael T. Lin

CAMPUS LIFE EDITOR

I was watching a movie with some friends the other night when the topic of a woman's "friend zone" came up. Presumably, the Friend Zone is a Bermuda Triangle-like region from which there is no exit, inside which a male is considered a non-romantic entity, like a brother or a pet rock. I've never believed in the Friend Zone, although I suppose it's only fair to disclaim that my experiences may differ from others'. Maybe it does exist, and I've simply never been placed in it, but I haven't been quite vain enough to assume something like that since I was 15 — it seems much more likely that it simply hasn't come into my mind as important.

Based almost entirely on anecdotal experience (still never a valid source, no matter what the School of Internet Debate says), I would guess that the Friend Zone Theory isn't something very many women use, mainly because a lot of it seems custom-made for male psychology. If anything, I'd guess it was developed either by men or by very ambitious women with lab coats and clipboards. Moreover, I've only ever heard it applied to heterosexual relationships, and it has the sound of straight male desperation — and I should know, I wrote the book. Well, the abridged, illustrated version for grade-schoolers, anyway.

According to Friend Zone Theory, if our male efforts to woo a woman fail, it's not because there's something the matter with us — it's because we had the misfortune of being placed in the Friend Zone. If we want to avoid being put in the Friend Zone, we should act like a romantic interest and not as a friend. This seems to imply, then, that people only date those they aren't or wouldn't be friends with, which

never made sense to me. Granted, Friend Zone Theory doesn't seem to be a *bad* approach, and if a man chooses to ascribe to it, 9 times out of 10 he probably wouldn't be worse off, but I think it's important to remember that

This seems to imply, then, that people only date those they aren't or wouldn't be friends with...

there's nothing wrong with having more friends if a relationship doesn't pan out, assuming that a relationship is what you want. On top of which, trying to force a relationship when the other half already thinks it wouldn't work just seems like a bad idea.

When I was much, much younger, no girl in her right mind would date me, and with good reason — she would almost certainly have to be stark-raving bananas to find my pompous 4th grade self remotely interesting. Of course, when you're nine, "dating" isn't so much an actual word as it is a vague concept that sits in the back of your mind after you've snuck your first PG-13 film and can't figure out where all that teenage angst is supposed to come from. I also had the keen intuition of a flatworm, so well into my high school years, any girl who was interested would probably have had better luck flirting with the flatworm, and gotten a much better response. Being a vertebrate and having a

backbone? Not the same thing.
I suppose, then, that from the get-go, the notion of the Friend Zone was inherently foreign to me, as any interest I showed in a girl was transparent enough to

not be worth attempting subtlety, and any interest showed in me was so over my head that I naturally assumed we were friends by default, male or female.

For what it's worth, the film my friends and I were watching was unsurprisingly titled *Just Friends*, and was inspired by the real-life romantic tribulations of the filmmakers. Apparently, one of them eventually married his "just friend," which has interesting implications for the Friend Zone theory.

Then again, given that they filmed in Regina, Saskatchewan, in conditions colder than the average temperature on Mars, it's no wonder the Venus-originating females were put off their ease. Now, if you'll excuse me, I need to meet a female friend for breakfast before going shopping at the mall. Don't judge me — I'm behind on my GameStop and Best Buy browsing, and I need a new pair of sneakers.

Dear Institute, I will miss you

A farewell letter from a graduating senior

By Javier Hernandez

This is my third to last week at MIT...ever. I am excited to be graduating, but I definitely will be missing a lot of the people here and many things about this place. In particular some of the things I will miss include: Danc-

ing in Kresge Auditorium, food at MIT, and sketchy activities in the Student Center.

MIT has provided me with opportunity to dance on stage in front of a live audience dressed up as Mickey Mouse, and to get away with it. For this, I will miss it. Alpha Chi Omega recently put

on its philanthropic talent show, "AXO LipSync." My friend and I were joking around with the idea of Course 10 doing an AXO LipSync act. Soon the joke turned into reality. We mashed up our song, and convinced as many Course 10 kids to lose their... reputation on stage in this ridic-

ulous act. We managed to get 12 people to learn the dance moves and perform. The basic storyline of our performance: MIT freshmen come to MIT confused about what major to be. They pick Course 10 and soon realize they are slaves to the "ICE (Integrated Chemical Engineering) Monster" (someone in a giant fat suit). The ICE Monster threatens to destroy the students, but luckily, Mickey Mouse shows up and saves the day. In all, I think Lady Gaga would agree that our performance was pretty epic. MIT has provided me the opportunity to be able to get away with this type of ridiculousness. I'm afraid the real world will not.

I am a bit ashamed to admit it, but I will also be missing some of the food at MIT. I recently found myself, in one day, having the following to eat: Dunkin Donuts (coffee + blueberry muffin), an Anna's Taqueria burrito for lunch, two random slices of cheesecake, five dollars' worth of gummy bears from LaVerde's, a second round of Dunkin Donuts, and ice cream cones and fries from McDonald's.

Even though many will choose not to admit it, they'll also miss MIT food! There is nothing quite like sinking your teeth into that deliciously-prepared LaVerde's cranberry chicken salad sandwich. I am not defending the prices or how boring the food can get here sometimes, but I am saying that I will probably be sitting one day at my future job in San Francisco wishing I could get my hands on some of the La-Verde's food.

I will miss all of these things about MIT, but I think the number one thing I will miss will be our great Student Center. A few weeks ago, I was in the Student Center trying to do some work (and by "doing work," I mean "stalking on Facebook"). I went to the restroom on the fifth floor and was taking care of my business when I heard someone come into the restroom. Next thing I

Who is drunk in the middle of the day on the fifth floor of the Student Center?

know, the guy who had come in started cussing to himself and acting very strange. He was obviously drunk. The first thing that came to my mind was, "Who is drunk in the middle of the day on the fifth floor of the Student Center?" Then, the man attacked my stall trying to break down the door! I immediately started screaming and he proceeded to run out of the restroom. I was scared so I sat quietly in the restroom. After a safe amount of time. I walked out and went back to my work. Moments like those make me appreciate our Student

I think everyone at MIT can say they have built up great memories with friends and this place. Dancing as Mickey Mouse, LaVerde's food and getting harassed by hobos in the Student Center are just a few of the things I will miss about this place. To those soon leaving this place: take a moment to reflect upon the good fortunes you have experienced here. To those who have not yet finished their time here: Enjoy it, and please, beware of the fifth floor Student Center restroom.

Coop Student Board of Directors Election Update

The following student Coop members have been elected to the Board of Directors for the 2010-2011 academic year.

CONGRATULATIONS

MIT Graduate and Undergraduate Students:

Tanguy Chau PhD/MBA 2011 Lorenna Lee-Houghton PhD 2011 Paul Romano PhD 2012 Christopher Yoon 2012

Harvard Undergraduate Students:

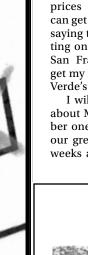
Melissa Oppenheim 2012 Caroline Quazzo 2012 Edmund Vincent G. Soriano 2011 Danni Xie 2012

Harvard Graduate Students:

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Dance Troupe turns up the heat



Dance Troupe's latest show TXD: The Troupe of Extraordinary Dancers opened Thursday night in Little Kresge, and will have four more performances this weekend on Friday, Saturday and Sunday.

(counter-clockwise from left)

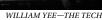
Thaddeus R. Cybulski '10 cradles Casey K. Hua '11 during a contemporary dance they choreographed.

Dance Troupe freezes at the end of a house-style number choreographed by Kristopher B. Dos Santos '10.

(left to right) Reid C. Van Lehn G, Mason Tang '10, and Armand E. Mignot '10 show off their moves in the show's opening hip-hop









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12 THE TECH FRIDAY, MAY 7, 2010



Former Peruvian president Alejandro Toledo speaks about the interaction of poverty, growth, and democracy, particularly with regard to South and Central America, as part of the Legatum Pericles lecture series in the Wong Auditorium on Monday.

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There's a little Neanderthal in us all, DNA says

By Carolyn Y. Johnson

THE BOSTON GLOBE

Neanderthals — extinct for 30,000 years — live on today in the DNAof many people because the Ice Age brutes probably mated with prehistoric humans, scientists said yesterday.

The discovery stems from researchers' striking success in extracting and sequencing genetic material from a pill-size amount of crushed bones found in a cave in Croatia. Then a Harvard geneticist led efforts to compare the ancient DNA with present-day human genomes, revealing that people from outside Africa inherited a small portion of their genes from Neanderthal ancestors.

"They've taken an extinct group of people who don't exist anymore, and they've discovered that extinct group of people is still in us," said John Hawks, an anthropologist at the University of Wisconsin-Madison, who was not involved in the research. "It really has changed our view of humanity."

Not only did the team find strong support for the controversial mating theory, but the work also produced a catalog of genetic mutations that set humans apart, yielding potential clues about why we succeeded while Neanderthals died off.

Researchers found that modernday people, except for Africans, can trace about 1 percent to 4 percent of their genome back to Neanderthals. That suggests mating before Asian and European populations diverged, perhaps in the Middle East as humans migrated from Africa around 50,000 to 80,000 years ago.

The first draft of the Neanderthal genome, published in the journals-gience, took a massive international effort involving more than 50 scientists working for four years. Their work was spearheaded by Svante Pääbo of the Max Planck Institute for Evolutionary Anthropology in Leipzig, Germany. Harvard Medical School geneticist David Reich led the research to understand how modern humans are related to Neanderthals.

"The Neanderthals are not totally extinct," Pääbo said. "In some of us, they live on, a little bit."

Neanderthals, hairy cave people of popular imagination, are believed to have been accomplished hunters and makers of sophisticated stone tools. While Neanderthals and modern humans both descended from a common ancestor, Neanderthals evolved separately for several hundred thousand years.

Scientists have long debated whether Neanderthals mated with humans and produced children.

"There's evidence in this new paper there was a remixture event," said Reich, also a member of the Broad Institute of MIT and Harvard, a genetics research center in Cambridge. "Some modern humans today have inherited some of their ancestry due to this remixture."

The scientists began with three fragments of bone, two of which have been dated to around 40,000 years ago. Because DNA degrades over time and is easily contaminated, there were serious doubts that they would succeed. But they took exquisite care in both the preparation and the analysis of the samples.

Scientists used a sterilized dental drill to remove tiny amounts of powderized bone. They sifted out the vast majority of the data, from fungi or bacteria that had colonized the bones. And they took precautions to prevent and detect any new contamination.

To reconstruct the Neanderthal genome from millions of snippets, they used the human and chimpanzee genomes as a template, matching short fragments.

Researchers were able to assemble about two-thirds of the Neanderthal genome, a first draft that highlights how new genetic tools are leading to insights about evolution.

"It's like living in a science fiction story that comes true," said Daniel Lieberman, a professor of human evolutionary biology at Harvard University not involved in the research. "Do some of those genes help us understand why it is we're here and Neanderthals aren't? The answers aren't there yet, but the fact that these data are available and we could start asking these questions is incredibly exciting."

Researchers have already begun to identify genetic differences that set present-day humans apart from Neanderthals.

So far, they have found that genes involved in wound healing, skin, and energy metabolism underwent evolutionary changes, along with genes implicated in cognitive development.

"This is a very powerful method for shining light ... and finding these important changes that happen in a really crucial time in human evolutionary history," said Richard E. Green, the lead author of the paper and an assistant professor of biomolecular engineering at the University of California, Santa Cruz.

Neanderthals and modern humans split from the same branch of the evolutionary tree between 270,000 and 400,000 years ago.

Using three independent methods, researchers looked at whether Neanderthal genes flowed back into the human population, and — to their surprise — found evidence that Neanderthals and humans mated after the split.

One way they showed this was by comparing the ancient genome with those of five present-day people, from Southern Africa, West Africa, China, Papua New Guinea, and France. The Neanderthal genome was more similar to the non-Africans.

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FRIDAY, MAY 7, 2010 **THE TECH 13**

Deans ponder summer housing

What will Next do without kitchens or Dining?

Crowding, from Page 1

will not require any renovation and consist of replacing lounge furniture with beds and room furniture.

Summer Housing

The Housing Strategy Group, chaired by Dean for Student Life Chris Colombo and Dean for Graduate Education Steven R. Lerman '72, has been working on finishing up decisions about summer hous-

Three dormitories, East Campus, Next House, and New Ashdown (NW35) will be open this summer.

Dining during the summer has not yet been worked out. While East Campus has large, communal kitchens on each floor that residents may use, Next House only has its "country kitchen," a single kitchen about the size of one of East Campus' hall kitchens.

Nilsson says that the Housing Strategy Group is still working with Dining Services on what can be offered to students in Next House. No decision on whether the dining hall will be open has been reached.

Nilsson says that the Housing Office has arranged for summer storage of student belongings at the nearby Metropolitan Storage Warehouse, across Vassar St. from the Z-

MIT students can rent a room in Metropolitan for \$180 for the entire summer, provided they move their own possessions. That is discounted from the regular \$75/month, or \$225 rate.

Metropolitan will also offer pickup and delivery services for an additional \$120. Transportation and storage of 10 items in a non-private room will be provided for a total of \$300. Sign-up must be completed by next Friday, May 13.

Each dormitory has its own storage policies. Some such as Simmons have free storage space in the basement.

East Campus has traditionally had storage in the basement as well, but flooding this year is forcing residents to rely on off-campus storage. EC President Robin Deits '11 suggests EC residents should take advantage of Metropolitan's \$180 deal. MacGregor residents will also not have any storage space because of summer renovations to the

Squeezing in more freshmen

In this article, Karen Nilsson tells The Tech that the Class of 2014 will have about 1,300 students, which would represent an increase of 222 over the Class of 2013's size of 1078 freshmen, according to Registrar statistics. That increase is about four times as large as was projected earlier this year.

In February, Provost L. Rafael Reif said at a faculty meeting that MIT intended to increase class sizes modestly, by about 50, from about 4 238 to 4,288, for the 2010-2011 academic year. A similar tactic was proposed by the Institute-Wide Planning Task Force, MIT's budget cut committee, to increase tuition revenue without spending much more on infrastructure for the extra students.

Increasing the undergraduate student body size has been a longheld goal of President Susan J. Hock-

field, but one that has been hard to achieve because MIT hasn't raised the money to fund the renovation of a dorm to house the extra students.

That goal seemed to be sidetracked in February, when Chancellor Phillip L. Clay PhD '75 said in a letter "Undergraduate enrollment will not be increased until additional housing is available (specifically W1) and we have assessed and addressed other issues related to the likely impacts of an increase in the size of the undergraduate student body."

Asked in February about the discrepancy between a "modest" increase in class size and his commitment not to increase the student body until additional housing became available, Clay said that the two points are not at odds and that enrollment varies year-to-year based on the expected number of available

— Michael McGraw-Herdeg

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Solution to Crossword

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Solution to Sudoku

Solution to Kenken





TechCASH

Mit

MIT Libraries' Summer Hours begin May 22

For a complete list of locations and hours see the Libraries' website.

libraries.mit.edu/about/hours/summer10.html





7*7*7

Three Medium

\$7each.TAX

Pizzas or More

Barker, Dewey, and Hayden (Humanities & Science) Libraries:

Monday-Friday 10am - 6pm, Saturday closed, Sunday 1 - 6pm

Rotch Library:

ANY LARGE

PIZZA

& Any Side

ouly

& Get a FREE 2-Liter

Coca-Cola Product

Same hours as above except Sunday closed

Lewis Music Library:

Monday-Friday 11am - 5pm, Saturday-Sunday closed

Please note all libraries will be closed Memorial Day weekend (May 29-31) and for a week during the Independence Day holiday (July 2-9).

14 THE TECH FRIDAY, MAY 7, 2010



WeiYang Sun '11, Adrianna L. Tam '11, and Jia X. Wu '10 peform a mashup of 2PM songs "TicToc" and "Heartbeat" at the Syncopasian spring concert on Sunday



New solar-powered, compacting single stream recycle bins were placed outside of the Student Center this week. The new bins aim to reduce the amount of waste going to a landfill, and they do not have to be emptied as often as regular recycling bins.



web.mit.edu/IDC

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MIT International Development Consulting is an organization that provides student consulting services to international non-profit organizations. Our members have the opportunity to gain real world consulting experience, travel to their project's country, and have a visible impact on the lives of people in developing nations.



FRIDAY, MAY 7, 2010
THE TECH 15



Soloist Nozomi Ando, a postdoctoral fellow in the Department of Chemistry, sings "Dona Nobis Pacem" ("Grant us peace") by Ralph Vaughan Williams in the concert choir's spring concert on Sunday in Kresge. The concert also featured the world premiere of Professor Peter Child's "Song of Liberty."



UENTIN SMITH—THE TECH

The southwestern window of 54-100 blew out on Thursday around 8:30 p.m. because of high winds. The Cecil and Ida Green Building was designed in 1962 by architect I. M. Pei '40, the same architect who designed the John Hancock Tower in Boston, which is famous for its original glass panels cracking and falling out in high winds. Pei did not respond to an e-mail sent late last night.

Cable channel revisits 1992 student murder

On Monday at 8 p.m., New England Cable News (NECN) will run an hour-long documentary about the 1992 murder of Norwegian student Yngve K. Raustein '94.

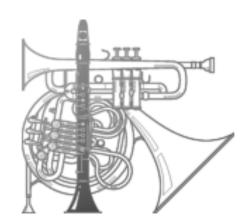
Raustein was fatally stabbed while walking with a friend on Memorial Drive near Hayden Library on Friday, September 18, 1992. Three Cambridge high-school students were arrested and imprisoned in the incident, Joseph D. Donovan, Shon McHugh, and Alfredo Velez.

McHugh and Velez were released after ten years in jail, but Donovan remains jailed, despite the fact that Velez actually stabbed Raustein, whereas Donovan punched him.

NECN's documentary interviews many of the people involved, including Donovan, who is still in prison, as well as his family and attorney; the jurors in the case who claim the decision to convict haunts them; and Velez, who describes the night of the murder.

NECN is not available on MIT Cable, but the documentary will be available online after it airs, at *http://necn.com/*.

MIT Concert Band SPRING CONCERT



May 9th, 2010, 3:00pm Free to all! Kresge Auditorium

Valdres - Johannes Hanssen
La Tomatina - Gregory Fritze
Third Suite: III. Rondo - Robert E. Jager
Of Sailors and Whales - W. Francis McBeth
Symphony No. 3 - Vittorio Giannini

Conducted by: Thomas Reynolds, Stephen Babineau Reception to follow concert. http://band.mit.edu bavicchi-lives@mit.edu

SPORTS SPORTS

SPORTS

Sports program on the rise

Learfield Cup recognizes Instituté's gains

By Russell Spivak

The Learfield Sports Directors' Cup is an annu-

al award given out by the National Association of Collegiate Directors of Athletics, or NACDA. This

year, Tech ranked 9th on the list — a significant rise from a position of 60th just four years ago.

While MIT is probably much better known for its brains than its brawn, the steady increase in rank over the past few years — from 60th to 37th to 24th to 9th — is not surprising, given the Engineers' strong performances across the board the last few seasons.

The emergence of programs such as men's basketball, coupled with the continuing successes of historically strong programs like men's and women's track and field have vaulted MIT into the national spotlight in Division III college sports.

Another factor the NACDA is the academic success of the school (not really in question) as well as the athletes participating. MIT's coaches continue to strive for is excellence on and off the playing field; many coaches schedule regular meetings with players to check on athletic and academic wellness.

While it may not generate as much publicity as, for example, a Nobel Prize, this award is significant for the MIT community. Given the recent athletic department cuts, this award acknowledges of the strength of the athletic program on campus and furthers MIT's initiative to diversify the school, not just by strengthening students academically, but outside the classroom as well.

A 'neck-to-neck' battle for 1st

Taekwondo falls just shy of 1st at Eastern Conf.

By Tara Sarathi

The Sport Taekwondo Club traveled to the University of Pennsylvania on Saturday, April 3 to compete in the final Eastern Collegiate Taekwondo

Conference (ECTC) tournament of the season. After several nail-biting forms performances and neck-to-neck sparring matches, MIT took second place at the tournament, and ended the season in second place behind Cornell University.

Once the poomsae (forms) competition began, MIT immediately established its presence. In the men's black belt division, Daniel J. Sauza '11 fiercely performed his form in order to take first for the second tournament in a row. Team captain Jason J. Uh '10 also executed his form well enough to take silver. On the women's side, Erika Lee '12 performed powerfully to take second, while Shammi S. Quddus '10 took fourth place after competing for the first time as a black belt.

In the red belt division, team captain ZheChen "Mary" Hong '10 decisively claimed the gold. In the blue belt division, on the women's side Christine T. Hsueh '10 and Angela N. Chang '11 both impressed the judges with their skill, taking first and second place respectively, while Christopher M. Williams G, Bradley Wu '11 and Ijeoma "EJ" Emeagwali '12 dominated the men's side by taking first, second, and fourth place respectively. In the green belt division, Jingxiao Lu '13 and Stephanie P. Chen '12 both executed impressive forms in order to place third in the men's and women's divisions, respectively.

After such a successful morning in poomsae, MIT was fired up and ready to show its mettle in the ring as the sparring competition began. In the A team (advanced) division, Women's A1 (Quddus, Hong, Lee) aggressively fought each of their opponents and won several grueling matches to take the silver medal. In addition, the Women's A2 (Hsueh, Hsinjung "Sophia" Li '11, Lorraine Ling G) and A3 (Tara P. Sarathi '12, Michelle J. Wang '13, Kristina L. Lozoya '13, alternate Teresa "Ty" Lin '12) teams sparred with enough ferocity to make it to the quarterfinals. On men's side, A2 (Benjamin M. Huan '11, Joseph S. Huan '11, Emeagwali) and A3 (Wenxian Hong G, Kevin K. Li '13 alternate David Wen '12) also reached the quarterfinals.

In the B team (intermediate) divisions, the women's teams fearlessly sparred every match and completely dominated the division, with B1 (Hsueh, Hong, Lin) taking gold, B3 (Laura H. Deming '13, Jennifer Tran '11, Heejung Kim '12) taking silver, and B4 (Chen, Chang, Ling) taking bronze. On the men's side, B1 (Ryan Rosario '12, Wen, Williams) powered their way through several intense matches in order to capture third place.

Even in the C team (beginner) division, each member fought with passion. On the women's side, C1 (Deming, Tran, Xuan Yang '13) valiantly fought their way to silver, while the men's C1 team (Lu, Chad D. Burns '13, Olaoluwakitan Ayod Osunkunle '11) bravely sparred each match to claim bronze.

The team fell short of first place by a mere sixteen points, but the close loss will only inspire the team to train even harder to prepare for the National Collegiate Taekwondo Championships in two weeks at the Metropolitan State College of Denver.

UPCOMING HOME EVENTS

Saturday, May 8

Track and field: NEIAAA championships

12 p.m., Northeastern University

Sunday, May 9

Baseball vs. Suffolk University

1 p.m., Briggs Field

SCOREBOARD

Baseball	
Wednesday, May 5	
vs. Rhode Island College	W 8-6
Thursday, May 6	
at St. Joseph's College	W 7-6
at St. Joseph's College	L 3-1

Men's lacrosse is fourth seed in Pilgrim League

Engineers overtake Clark 10-7

By Mike Gerhardt

TEAM MEMBER

The men's lacrosse team secured the fourth and final seed in the Pilgrim League postseason tournament

on Saturday with a solid 10-7 victory over visiting Clark University. With the win, the Engineers closed out the regular season with

a record of eight wins and six losses, and they secured a playoff spot for the second consecutive year.

Before the game, a short ceremony was held honoring the seniors: captains Corey Garvey '10 and Garth S. Grove '10, William J. Gibson '10, Thomas W. Hay '10, and Kevin M. Farino '10. Also recognized was sophomore Carl J. Tilbury '12, who will be returning to England following the end of this academic year. The team wished these gentlemen well on their future endeavors and congratulated them on a stellar season.

The game began well for the En-

gineers as midfielder John R. Kucharczyk '11 drew first blood, dodging through the teeth of the Clark defense for an unassisted goal three minutes into the first quarter. Unfortunately, Clark answered fifteen seconds later on a fast break goal by attackman Chris Adams. Clark continued to control the ball throughout the quarter and tacked on a man-up goal with 4:22 to play to make the score 2-1 in favor of the Cougars at the close of the quarter.

The second quarter was dominated by the Engineers. The defense held the potent Clark offense to just four shots, three of which were stopped by freshman standout goaltender Christopher B. Rullan '13. The Engineers made up the deficit with a fast break goal off the first face-off as attackman Gabriel V. Blanchet '13 assisted Garvey. Hay scored unassisted at the twelve minute mark, and Tilbury added two of his own, one unassisted and one from midfielder Nicholas D. Sisler '11. Cougars midfielder Chris Johnson scored unassisted for Clark's lone goal of the quarter and was quickly answered by attackman Daniel G. Piemont '10 to bring the score to 6-3 in favor of the Engineers going into halftime.

The third quarter began where the second left off as Tilbury and Piemont each scored again, both assisted by Kucharczyk. Clark midfielder Shawn Roche added one for the Cougars before Tilbury and Piemont each found the back of the net again — Tilbury unassisted and Piemont off a fast break assist from defender Alex W. Andrzejewski '11. The Cougars scored once more with 34 seconds remaining in the quarter to cut Tech's lead to 10-5.

The fourth quarter saw a lot of ball control by the Engineers as they tried to run Clark out of time. The Cougars made a comeback attempt, getting two more goals in the quarter, but MIT kept the game under control and possessed the ball most of the quarter. Gibson ended his year with a bang, leveling a Clark midfielder on a botched clearing attempt by the Cougars and drawing cheers from the MIT sideline.

After the win, MIT improved to 8-6 overall, while the Cougars dropped to 6-8 on the year. Next Wednesday, MIT will travel to top-seeded Springfield College for their first playoff game. The Engineers will look to upset Springfield, which would put them in the finals of the Pilgrim League tournament, facing the winner of the game between Wheaton College and Babson College. The winner of that game will automatically qualify for the NCAA Division III national tournament.

