tech.mit.edu

Volume 134, Number 3



WEATHER, p. 2 WED: 26°F | 22°F Partly cloudy THU: 40°F | 31°F

Tuesday, February 11, 2014



Hackers placed the Olympic rings above Briggs Field Saturday, the night after the opening ceremony of the Sochi 2014 Winter Olympics. The rings were strung on a wire running between Simmons and MacGregor, a distance of over 700 feet.

REPORTER'S NOTEBOOK

2016 Ring Premiere is true to tradition

RingComm presents new design in an event full of jokes, rowdiness

Last Friday evening, I joined my fellow members of the Class of 2016 as we came together to watch the unveiling of this year's Brass Rat design. Before the doors even opened, we already had a class-bonding experience - waiting outside Kresge in freezing temperatures.

Seven p.m. had come and gone by the time Ring Committee finally let us in, herding us into two lines to enter the auditorium. Like the people in front of me, I grabbed a raffle ticket on the off chance that I might win a free ring (I didn't), and went on my merry way to take a seat with my friends. At the time, I didn't realize that some people

would cheat and grab more than one raffle ticket. Later during the presentation, the committee members would raffle off entire rings and generous subsidies.

They shouldn't have given out the raffle tickets in big boxes - people were taking handfuls and tilting the odds in their favor for the not insignificant giveaways," Clarissa M. Towle '16 pointed out after the ceremony.

Having lined up only half an hour early, I decided to just go for the seats in the back section, as many blocks of seats in the front had already been taken. Although Ring Premiere hadn't begun yet, the sorority chants and other raucous cheers already had.

Premiere, Page 6

NEWS BRIEFS

Leland Cheung vies for Lieutenant Governor position

Leland Cheung MBA '10 recently announced a bid for Massachusetts' lieutenant governor position, under the Democratic Party. Cheung, a graduate of MIT's Sloan School of Management and Harvard's Kennedy School of Government, is serving his second term on the Cambridge City Council. According to the Boston Globe, Cheung is planning on investing six figures into his upcoming campaign. He stated in an interview with the Globe, "I think I have an opportunity to help the Democratic ticket in November."

As the first Asian-American to serve on the Cambridge City Council, Cheung states on his website that he is "making Cambridge more progressive, using technology to modernize government, and driving the innovation

economy." Cheung is also a venture capitalist; one of his first jobs in the Boston area was as a Senior Associate at Masthead Partners, a Cambridge-based venture capital

"The issues that I've been tackling as a Cambridge city councillor and the challenges and opportunities that we've faced in the city are the same ones that exist in the Commonwealth." Cheung stated in an interview with The Crimson. Cheung has served four years on the Cambridge City Council, winning both elections with the most number of votes.

The Massachusetts' lieutenant governor position has remained vacant since the resignation of Timothy P. Murray on May 22 of last year. Currently, the only other candidate for the lieutenant governor is Karyn Polito, who announced her bid with Massachusetts Republican candidate Charlie Baker, running to become the Commonwealth's governor.

News brief, Page 7

REPORTER'S NOTEBOOK

Class of 1967 discusses MIT years

Alumni share their experiences with the freshman class

William Navarre

STAFF REPORTER

A forum entitled "Before and After — The MIT Experience," took place Sunday in W20's Mezzanine Lounge from 2 p.m. to 4 p.m., featuring four speakers from the Class of 2017 and three from the Class of 1967.

The meeting of past and present MIT undergraduates was a cooperative effort between the 2017 Class Council and the 1967 Class Council. About 35 members of the Class of 2017 and about 20 members of the Class of 1967 attended.

The speakers from the Class of 1967 reflected on their time at MIT and the effect MIT had on the rest of their lives. Several of the speakers noted that their careers differed significantly from their undergraduate

Joe Ferreira '67, current head of Urban Information Systems in Course XI, said he originally majored in EECS. Of MIT students, he noted that "what they actually end up doing is different in terms," but that they still want to change the world."

Larry L. Constantine '67 said he experienced culture shock when he first got to MIT and found himself surrounded by people who were 'smarter than [him]."

Constantine, who is now a published author under the pen name Lior Samson, described how he received his first F on an assignment while at MIT. He said that Prof. Em-

Alumni, Page 13

IN SHORT

Nominations for the 2014 MIT Awards are now open. Submit a nomination online at awards.mit. edu. There are eight categories and 30 awards, some which have multiple recipients. The deadline for nominations is Friday, Apr. 11. The ceremony will be held in May.

There is no school on Monday, Feb. 17 because of Presidents' Day. Enjoy the day off and use it to catch up on some much-needed sleep (or psets)!

MIT classes will run on a Monday schedule next Tuesday. Normal class schedules will resume as usual on Wednesday.

The Spring 2014 meal plan change period ends on Thursday, Feb. 13. You can only change your plan once per semester, and must do so online at https:// odysseyhms-web.mit.edu/hmswebstudent/. Keep in mind that requests will take one business day to process.

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



John R. Ross SB '67, PhD '74 speaks with members of the MIT class of 2017 at a Class Connections event on Sunday. Held by the MIT Alumni Association, the event invited those from both classes to share their experiences at the Institute with each other.

SEXUAL ASSAULT AT MIT

Students continue the discussion with the focus on MIT's role. OPINION, p. 4

SEMESTER STILL TOO EASY?

Try out Techdoku. At least we publish the solutions. FUN, p. 12

PIGEON COMICS

What is a Pigeon Comic? I don't know. See for yourself. FUN, p. 12



MIT DRAMASHOP PERFORMS ARCADIA

A review of Tom Stoppard's 1993 play running at Little Kresge Theater.

ARTS, p. 9

THE ART OF THE **PERSONAL BRAND**

Take a look if you are worried about your online reputation.

CAMPUS LIFE, p. 8

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House Republicans seek to trade debt deal for repeal on military pensions cut

WASHINGTON — The House will vote Wednesday to extend the government's borrowing authority into 2015 in exchange for reversing a cut to the pensions of working-age military veterans that Congress approved just two months ago to try to trim the budget deficit.

The plan, presented to House Republicans on Monday evening by their leaders, represents a dramatic reversal for the House after three years of using the debt ceiling to extract major spending cuts and conservative policy changes. In this instance, the debt ceiling deadline — looming at the end of this month — will be used to reverse the only difficult spending cut included in a budget and deficit-reduction deal reached in December.

For its part, the Senate voted Monday evening to take up a bill that reverses the same spending cut.

The moves on both sides of the Capitol illustrate how difficult it will be to wring savings from automatic government programs — like pension and health care "entitlements" — which are swelling with an aging population but remain politically untouchable. The cut to veterans' pensions, embraced by Pentagon officials alarmed by the swelling costs of military benefits, sliced 1 percentage point from the annual cost-of-living adjustment for working-age veterans, with a one-time increase at retirement age to make up for lost ground.

It was to save nearly \$7 billion over the next decade and was hailed by Rep. Paul Ryan of Wisconsin, the deal's chief Republican negotiator and chairman of the House Budget Committee, as a step toward reining in growing federal programs.

But the cut received bipartisan condemnation even before the budget passed Congress. National veterans' organizations denounced it, and Sen. Harry Reid, D-Nev., the majority leader, awarded authorship of the measure's repeal to Sens. Mark Pryor of Arkansas, Mark Begich of Alaska, Kay Hagan of North Carolina and Jeanne Shaheen of New Hampshire, four of the most endangered Democrats up for re-election this year.

House Republican leaders argued that the measure they were championing would not add to the deficit. That is because it would extend to 2024 a 2 percent cut to Medicare health care providers that already is in effect until 2023. Budget hawks said that amounted to trading new spending now for the promise of cuts far in the future.

—Jonathan Weisman, The New York Times

Shortages of critical drugs continue to vex doctors

Despite efforts by the Obama administration to ease shortages of critical drugs, shortfalls have persisted, forcing doctors to resort to rationing in some cases or to scramble for alternatives, a government watchdog agency said Monday.

In recent years, drug shortages have become an all but permanent part of the U.S. medical landscape. The most common shortages are for generic versions of sterile injectable drugs, partly because factories that make them are aging and prone to quality problems, causing temporary closings of production lines or even entire factories. The number of annual shortages — both new and continuing ones — nearly tripled from 2007 to 2012.

Dr. Douglas C. Throckmorton, a senior FDA official who deals with shortages, said in written testimony released Monday that 66 percent of production disruptions that led to shortages were caused by quality problems and efforts to fix them.

Economic factors are also contributing to the shortages. Narrow profit margins are making some drug companies reluctant to invest in fixing old production facilities.

—Sabrina Tavernise, The New York Times

Farm Bureau report finds need for immigration overhaul

By Ron Nixon
THE NEW YORK TIMES

WASHINGTON — Immigration reform that focuses solely on enforcement would cut agriculture production and cause a sharp rise in food prices, according to a new

study released Monday.

The study — which was commissioned by the American Farm Bureau, the nation's largest farm lobby organization — said food prices would increase an additional 5 to 6 percent over the next five years if enforcement-only policies were put into place, because of a lack of workers to harvest crops. It would cost the agriculture sector as much as \$60 billion over the same period.

The study comes as Congress and the Obama administration are debating immigration overhaul proposals that would address the status of the country's estimated 11 million unauthorized workers.

Republican leaders had put forward a modest immigration reform proposal, but many Tea Party activists and conservatives in Congress have opposed all plans that offer amnesty for those in the country illegally. Because of the opposition, Speaker John A. Boehner said last week that it was unlikely that an immigration reform bill could pass the House this year.

According to the report, the hardest-hit domestic food sectors under an enforcement-only proposal would be fruit production, which would plummet by 30 to 61 percent, and vegetable production, which would decline by 15 to 31 percent. Both fruit and vegetables are labor intensive sectors because most of the crops must be picked by hand.

The study also found that livestock production, which also depends on immigrant labor, would fall by 13 to 37 percent.

The Department of Agriculture's main focus is on changing the H-2A visa program, which allows fruit and vegetable growers, slaughterhouses and other agribusinesses to hire temporary workers for jobs that cannot be filled by Americans. The system

allows foreign workers to enter the country on a visa for no longer than one year.

But agriculture officials say the current system does not work because industries like dairy farming and meat production are yearround enterprises and are unable to fill their need for workers. They also say the program is overly bureaucratic. Among the changes the farm sector wants to see is the replacement of the seasonal visa program with one that would allow workers to accept a job under a three-year visa.

The farm sector has been a core constituency of the Republican Party for many years. In the 2012 presidential election, farm-heavy districts voted overwhelmingly for the presidential candidate Mitt Romney.

Tom Nassif, president of the Western Growers, and Chuck Conners, president of the National Council of Farmer Cooperatives, two of the organizations pushing for immigration legislation, were advisers to Romney during the campaign.

Michael Sam may become the first publicly gay player in the NFL

By John Branch

THE NEW YORK TIMES

Coaches at the University of Missouri divided players into small groups at a preseason football practice last year for a teambuilding exercise. One by one, players were asked to talk about themselves.

As Michael Sam, a defensive lineman, began to speak, he balled up a piece of paper in his hands.

"I'm gay," he said.

With that, Sam set himself on a path to become the first publicly gay player in the National Football League.

"I looked in their eyes, and they just started shaking their heads — like, finally, he came out," Sam said Sunday in an interview with The New York Times, the first time he spoke publicly about his sexual

Sam, a 6-foot-2, 260-pound se-

nior, went on to a stellar season for Missouri, which finished 12-2 and won the Cotton Bowl. He was named a first-team All-American. He was the defensive player of the year in the Southeastern Conference, widely considered the top league in college football. Teammates voted him Missouri's most valuable player.

Now Sam enters an uncharted area of the sports landscape. He is making his public declaration before he is drafted, to the potential detriment to his professional career. And he is doing so as he prepares to enter a league with an overtly macho culture, where controversies over homophobia have attracted recent attention.

Sam, 24, is projected to be chosen in the early rounds of the NFL draft in May, ordinarily an invitation to a prosperous professional career. He said he decided to come out publicly now be-

cause he sensed that rumors were circulating.

"I just want to make sure I could tell my story the way I want to tell it," said Sam, who also spoke with ESPN on Sunday. "I just want to own my truth."

Although Sam's professional prospects are far from certain, several NFL draft forecasters have predicted that he will be chosen in the third round. (Thirty-two players are selected in each round.) Rarely are players who are drafted that high cut by teams, and often they become starters, sometimes in their rookie year.

But it is reasonable for Sam to wonder what sort of impact his declaration will have on his professional prospects.

"I'm not naïve," Sam said. "I know this is a huge deal and I know how important this is. But my role as of right now is to train for the combine and play in the NFL."

WEATHER

Today, tomorrow will be better for opening doors

By Ray Hua Wu

STAFF METEOROLOGIST

We have now entered the frozen heart of winter, where freezing is more frequently a daily high than a daily low. Unlike many days of the previous week, however, no extra snow shall fall until the day after tomorrow, so for these two days, the winter invites you out if you want to build a snowman. Still remember to dress appropriately, as highs will be in the twenties.

Looking back at the past year, that is, since the two-foot snowstorm at this point in 2013, it looks like nature has fixed up

a particularly strange year for North American weather. In summer, the Atlantic hurricane season became the first in half a century to fail to produce even a category 2 hurricane. And for the first time in forever, or at least as far as records go, San Francisco experienced only 5.6 inches of rain in a year; the previous low was 9.0. Rather, the winter preferred to let itself go without restraint in the rest of the USA, where in early January many cities in the eastern United States. like Atlanta, experienced record low temperatures. Maybe we can hope for a more normal year in the rest of 2014.

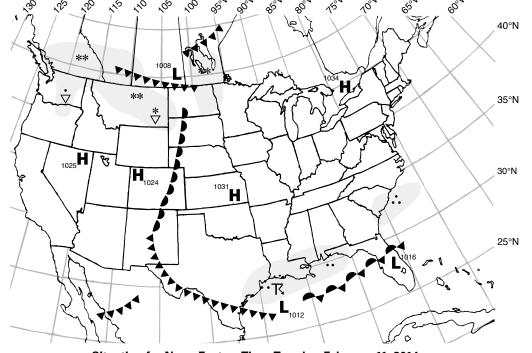
Extended Forecast

Today: Mostly sunny. High around 28°F (-2°C). Winds Northwest at 10 to 15 mph.

Tonight: Mostly clear. Low around 12°F (-11°C). Winds North at 10 mph.

Tomorrow: Partly cloudy. High around 26°F (-4°C). Winds

Northeast at 10 mph. **Thursday:** Snow, then rain, then snow. High 40°F (4°C).



Situation for Noon Eastern Time, Tuesday, February 11, 2014

Weather Systems	Weather Fronts	Precipita	tion S	ymbols	Other Symbols		
			Snow	Rain		Fog	
High Pressure	Trough Warm Front	Showers	*	$\dot{\nabla}$	ス	Thunderstorm	
Low Pressure		Light	*	•	∞	Haze	
e	▲▲▲▲ Cold Front	Moderate	**	••	Comp	oiled by MIT	
§ Hurricane	▲ Stationary Front	Heavy	*		Metec	orology Staff	

Talks on Syrian conflict resume in Geneva

By Nick Cumming-Bruce
THE NEW YORK TIMES

GENEVA — As fighting raged unabated in Syria, government and opposition representatives met in Geneva on Monday for a second round of peace negotiations in hopes of moving away from the inconclusive and often fractious exchanges in the first round that ended 10 days ago.

Lakhdar Brahimi, the U.N. mediator guiding the peace process, prepared the ground by meeting the opposition's chief negotiator on Saturday and then holding talks with Syria's foreign minister, Walid al-Moallem, after his arrival in Geneva on Sunday.

The preliminary discussion did not lead to immediate negotiations. Brahimi began Monday's discussions with another separate meeting with the opposition, to be followed by talks with the government delegation.

After the first round of talks ended on Jan. 31, Brahimi acknowledged "we haven't made any progress to speak of" but identified some common ground between the two sides that he said could provide a platform for this week's talks, adding the crucial caveat "if there is good faith and political will."

There was scant evidence of either on Sunday as mortar shelling and sniper fire erupted in the city of Homs, inflicting civilian casualties and damaging aid agency vehicles. The vehicles had arrived under a U.N.-brokered humanitarian pause intended to enable aid agencies to deliver food and medicine to the blockaded Old City, where civilians have been trapped for the past two years

Several hundred civilians described by aid workers as in frail health were able to get out of the Old City. But the gunfire that reportedly killed at least six civilians and forced aid agency staff members to shelter for several hours in the ruins of the Old City starkly exposed the hazards that have hindered international efforts to open up humanitarian access to more than a quarter of a million people believed to be living in areas under siege by government and rebel forces, and to millions of Syrians in other areas where insecu-

rity has obstructed aid deliveries.

The pressure for results at the Geneva talks was further underscored by reports of scores of casualties in an attack attributed to jihadist rebels on an Alawite village in the central province of Hama. The London-based Syrian Observatory for Human Rights said 20 civilians, including women, and some 20 men defending the village were killed in that assault, The Associated Press reported.

The only common ground between the government and the opposition visible at the end of the first round of talks was an agreement to negotiate within the framework of a communiqué that called for the creation of a transitional government with full executive powers and based on mutual consent.

Modest progress was reported Monday in the international effort to destroy the Syrian government's chemical weapons arsenal, which has been underway since October. Under Syria's agreement, backed by a U.N. Security Council resolution, the entire arsenal is to be destroyed by the middle of this year.

At polls, Tokyo rejects a plan for curbing nuclear power

By Martin Fackler

THE NEW YORK TIME.

TOKYO — Tokyo voters chose the governing party candidate to be their next governor Sunday, rejecting a former prime minister who had tried to turn the local election into a public referendum on the future of nuclear energy in Japan.

The victor, Yoichi Masuzoe, a former television commentator and health minister, ran a campaign that focused on local concerns like improving day care and completing preparations to host the 2020 Olympic Games, and gave little if any attention to national issues like nuclear power.

He finished first in a field of 16 candidates, including Morihiro Hosokawa, a retired prime minister who had sought to rally voters who were worried about the safety of nuclear power after the Fukushima disaster.

Hosokawa, 76, was backed by

another retired prime minister, Junichiro Koizumi, who remains

The two men waged a singleissue campaign aimed at the policies of Prime Minister Shinzo Abe, who has called for restarting Japan's idled nuclear plants as a source of low-cost power for economic growth. Hosokawa called for Tokyo to permanently forswear the use of atomically generated electricity

At first, his decision last month to put aside a retirement spent making pottery to run for office again generated a wave of public excitement. Many analysts saw his campaign as the first real chance to put the nuclear question directly to a large number of voters.

Victories by the governing Liberal Democratic Party in two national elections after the accident are widely regarded as reflecting voters' dissatisfaction with a previous opposition-party government, and not a conclusive show of sup-

port for Abe's nuclear policies.

Analysts said Sunday that Hosokawa's defeat was probably less a rejection of his anti-nuclear message than of his focus on a distant, somewhat abstract national issue in a local election.

"Tokyo's voters ended up feeling cool toward the idea of using the governor's election as a referendum on nuclear power," said Kazuhisa Kawakami, a political expert at Meiji Gakuin University in Tokyo. "They felt suspicious that candidates were trying to whip them up with simple-minded populist appeals."

Some voters said they felt sympathetic to Hosokawa, but not enough to vote for him.

"I understand the antinuclear feelings, but the Tokyo governor should not be involved in all that," said Manabu Odagiri, 62, who also voted for Masuzoe. "Mr. Hosokawa's effort to turn this into an election over national issues was not realistic."

North Korea balks again at bid to free American

By Choe Sang-Hun
THE NEW YORK TIMES

SEOUL, South Korea — For a second time, North Korea has rescinded an invitation for a special U.S. envoy to visit Pyongyang, the capital, to seek the release of Kenneth Bae, a Korean-American Christian missionary held in the country for more than a year, the U.S. State Department said Sunday.

In blocking the trip by Ambassador Robert King, Washington's special envoy on North Korean human rights, North Korea again appeared to blame the tensions it said were caused by military exercises that the United States and South Korea are scheduled to begin this month.

"We are deeply disappointed by the DPRK decision — for a second time — to rescind its invitation for Ambassador King to travel to Pyongyang to discuss Kenneth Bae's release," said Jen Psaki, the State Department spokeswoman, using the acronym of the North's official name, the Democratic People's Republic of Korea. She pointed out that North Korea "announced publicly in May it would not use the fate of Kenneth Bae as a political bargaining chip."

Bae, speaking Friday to a pro-North Korean newspaper based in Japan from his penal labor camp outside Pyongyang, said he had heard that King was to visit North Korea as early as this week to discuss his fate.

A resident of Washington state, Bae was arrested after he entered North Korea through the northeastern city of Rason with a group of visitors in November 2012. Using a tourism business as a cover, he was trying to build a covert proselytizing operation in Rason, according to a videotaped sermon he gave at a St. Louis church in 2011.

Bae was convicted of plotting to "destroy our system through religious activities against our republic," according to North Korea's authoritarian government, which has been in a suspended state of war with the United States for more than 60 years.

He was sentenced to 15 years of hard labor.

Bae, who had been convalescing in a Pyongyang hospital since the summer with various health problems, was transferred back to the penal work farm about three weeks ago, according to his family and Choson Sinbo.

North Korea condemns any joint Washington-Seoul military exercises as a rehearsal for invasion. The two allies plan to begin their annual drills in the last week of this month. North Korea cited them when it threatened last week to revoke its agreement to hold family reunions with South Korea this month. The reunions would allow relatives separated by the 1950-53 Korean War to meet for the first time in six decades.

As investor calls for sale, Helen of Troy unveils big stock buyback

Helen of Troy has suggested it would return money to investors, but it wasn't interested in selling itself, despite calls from an activist investor.

Then on Monday, the consumer products company unveiled a doozy of a shareholder-payout program.

Helen of Troy said it would buy back \$550 million worth of its shares over the next three years, to be financed by cash on hand and loans. It will begin with a \$300 million tender offer starting immediately.

The buyback is huge, representing nearly 29 percent of the company's outstanding stock. But it isn't clear whether Sachem Head Capital Management, the hedge fund looking to shake up the consumer products maker, will find it enough.

In a letter sent last week, Sachem Head argued that the company — which owns housewares maker OXO International and produces products for brands like Revlon and Dr. Scholl's — should consider selling itself, given what the hedge fund said was interest from a number of potential suitors.

Helen of Troy responded that it believed its shares were undervalued, and that its board had taken a number of steps that addressed Sachem Head's complaints on matters including executive compensation and a succession plan for chief executive.

But Sachem Head also suggested that if the company wouldn't sell itself, it should consider taking on debt to finance buybacks or special dividends.

What Helen of Troy announced Monday hews pretty closely to that alternative, though the company noted that it said last year that it would return capital not earmarked for strategic acquisitions to shareholders.

"Utilizing our strong balance sheet to fund a significant share repurchase provides immediate and continuing benefits to shareholders and underscores our confidence in the company's current strategy and future growth potential," Timothy F. Meeker, company chairman, said in a statement.

It isn't clear whether Sachem Head, whose founder is a protégé of veteran activist investor William A. Ackman, will be appeased by the plan. A spokesman for the hedge fund declined to comment

Other investors seemed pleased, however. Shares in Helen of Troy traded near all-time highs Monday afternoon at \$63.56, up 7 percent for the day.

-Michael J. De La Merced, The New York Times

Bitcoin exchange struggles: Mt. Gox experiences severe setbacks

A major player in the Bitcoin universe was struggling to stay alive Monday, raising questions about whether there is a fundamental flaw in the computer program that underlies the virtual currency

The price of Bitcoin has fallen sharply, to below \$600 for a single Bitcoin from more than \$800 a week ago.

Mt. Gox, a Japanese company that was previously the largest Bitcoin exchange in the world, halted all customer withdrawals late last week.

On Monday, the company said its problems were caused by a previously undetected glitch in the basic Bitcoin protocol that made it possible for users to falsify transactions.

Gavin Andresen, the chief scientist at the Bitcoin Foundation, disputed Mt. Gox's account and said the problem was at the Japanese exchange.

"The issues that Mt. Gox has been experiencing are due to an unfortunate interaction between Mt. Gox's highly customized wallet software, their customer support procedures, and an obscure (but long-known) quirk in the way transactions are identified and not due to a flaw in the Bitcoin protocol," Andresen said in a statement.

The price of Bitcoin recovered a bit Monday morning, rising to nearly \$650.

Mt. Gox has been struggling for months to process transactions, leading many customers to take their business to other exchanges that have vaulted past Mt. Gox in popularity.

But Mt. Gox's claims were taken seriously because, if true, they raise basic questions about the soundness of the Bitcoin experiment, which has swept the technology and finance world over the last year, taking the price of a single coin up more than 3000 percent.

From the creation of Bitcoin in 2009, one of the most important and vaunted features of the Bitcoin program was its ability to prevent the same coins from being moved to two different places at the same time

In its announcement Monday, Mt. Gox said that a bug in the Bitcoin software made it possible for someone to use the Bitcoin network to alter transaction details to make it seem like a Bitcoin transfer had not occurred when, in fact, it had.

The company said: "We have discussed this solution with the Bitcoin core developers and will allow Bitcoin withdrawals again once it has been approved and standardized."

Other exchanges did not report similar problems, but none of the biggest companies immediately put out a response.

Beyond Mt. Gox, Bitcoin users have been rattled by several setbacks in recent days. On Friday, the Russian government said Bitcoin transactions

were illegal. They joined the Chinese government, which said in December that financial institutions in the country could not participate in Bitcoin transactions.

Florida prosecutors, meanwhile, arrested people Friday who had met to exchange Bitcoins for dollars, the first such arrests.

U.S. authorities have generally given a tentative blessing to the Bitcoin experiment. But they have warned consumers about the dangers and the problems that could still pop up.

—Nathaniel Popper, The New York Times



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SEXUAL ASSAULT AT MIT

How the Institute can do better

The community can do more to prevent sexual assault

By Cory Hernandez, Mitali Thakor, Charlie Andrews-Jubelt, and Chacha Durazo

Editor's note: This article is part two of a two part series and it contains explicit references to sexual assault.

Where MIT's response falls short

Responding to calls for greater action to curb sexual assault on university campuses, President Obama recently reaffirmed his administration's commitment to support survivors and fight against sexual assault. Under the current administration, the federal government has expanded the definition of rape to include rapes of men. In addition, Congress and President Obama renewed the Violence Against Women Act and broadened its scope to include LGBT, Native American, and immigrant victims. And just this month, President Obama created the White House Task Force to Protect Students from Sexual Assault. The Boston Globe article mentioned in the first part of this series reported that reports of sexual assault were on the rise at Boston-area schools. But this potentially alarming statistic also suggest that students are feeling more supported and aware of how to make reports at their schools, that better victim advocates and reporting mechanisms are on the rise, and schools are beginning to keep better records of assault report statistics.

These successes on a national level serve as an example for what we must do as a community. We call on the students, faculty, staff, and administrators of MIT to do more. Just one instance of sexual assault or rape is too many. Yet MIT's efforts to curb sexual assault sometimes fall short.

Specifically, when charges are brought, MIT's disciplinary actions for those who commit sexual assault or rape do not always lead to expulsion. Many offenders are merely suspended or given a slap on the wrist and told not to do it again, whereas they ought to be expelled. As a result, some victims allege that MIT values protecting its public image over protecting victims and bringing perpetrators to justice. This is especially important because 63% of college men who rape will do so again, according to a report released by the White House Council on Women and Girls.

We have written this article out of a sincere affinity and love for MIT and a desire to make our community a safer and more welcoming space.

We suggest that MIT students be required to attend a training session provided by MIT Violence Prevention and Response (VPR) on sexual assault and rape prevention and response every year, not just during Orientation. In fact, the training received by freshmen is rather limited in scope. First, the video that students are required to watch over summer is laughably unengaging — some simply let it play and go do something else. The on-campus Sex Signals production has been known to be triggering, offensive, and lacking

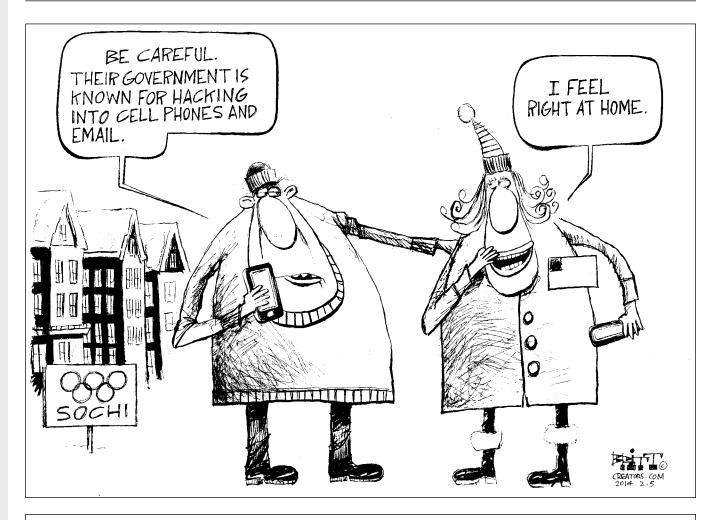
an effective debriefing for the scenarios of sexual assault portrayed by the actors. Furthermore, Sex Signals does not fully incorporate male and non-gender binary assault survivors, nor the LGBTQAI community. Perhaps viable alternatives to the existing orientation trainings include Speak About It, the production that recently replaced Sex Signals at Harvard, or a version similar to Tech Theater.

Whatever the new training module chosen, we call on the administrators to adopt a more effective program and to start a community-wide conversation about what is the best option for freshmen as well as graduate orientation. Fortunately, discussions have already begun on such alternatives.

Before Orientation however, many incoming students participate in freshman pre-orientation programs (FPOPs). The Freshman Leadership Program (FLP) is one example in which some of this article's authors participated. One activity used by FLP — among other FPOPs — is based upon gender. After discussing male and female gender stereotypes, the activity asks participants to divulge personal information about their experiences relating to gender, including those regarding sexual assault. In particular, one author of this article was triggered to a great extent by much of the activity, including many of the stories others were disclosing. We ask that the Student Activities Office, which sponsors FLP, and the program coordinators and counselors extensively revamp this activity to ensure that potentially triggering statements can be avoided.

The Graduate Student Orientation,

Prevention, Page 5



OPINION POLICY

Editorials are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of Chairman Annia Pan, Editor in Chief Austin Hess, Managing Editor Judy Hsiang, and Opinion Editor Jacob London.

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Specific steps we can take

FPOPs, Orientation training, disciplinary responses, and other aspects can be improved

Prevention, from Page 4

while generally comprehensive in the breadth of information conveyed compared to other graduate institutions, also fails to include a training on harassment and assault. We note that the Women's Welcome organized by students of Graduate Women @ MIT (GWAMIT), does highlight resource staff and information from VPR, but this event is attended by 300 graduate women and not provided for the whole community. A series of workshops called "Positivity@MIT" were organized in Fall 2012 by GWAMIT, and are the closest events to graduate community-wide harassment training.

What the Institute has done well

We have written this article out of a sincere affinity and love for MIT and a desire to make our community a safer and more welcoming space. At the time of this publication, the recently-passed federal "Campus Sexual Violence Elimination (SaVE) Act" will be going into effect. This legislation builds upon Title IX and the Clery Act

Alternatives to current sexual assault training during Orientation should be explored.

to explicitly mandate universities to not only develop disciplinary actions for perpetrators of sexual harassment, dating and domestic violence, and stalking, but also for universities to take active measures of prevention — to ensure harassment-free environments for all students. MIT must take preventative measures to reduce sexual harassment, sexual violence, and rape culture on campus.

We would also like to acknowledge the work that has been done in recent months, by students as well as staff, to educate the community on sexual assault.

We would be remiss to not mention the incredible work of the MIT Office of Violence Prevention and Response (VPR), staffed by merely three dedicated victim advocates. VPR provides resources for survivors of sexual violence, sexual harassment, dating violence, stalking, and counsels on tools for maintaining healthy relationships. If you need resources, advice, or any support, we encourage you to call VPR's 24-hour hotline: 617-253-2300.

Rights," a summit to address issues of sexual violence on campus, featuring award-winning spoken word artist Staceyann Chin, who will speak to issues of sexual assault, campus culture, queer and multiracial identity.

In Spring 2013, two students, Chacha Durazo and Nancy Ouyang, produced a documentary called "Project dx/dt" featuring interviews of MIT students identifying as survivors of sexual assault and sharing their survivor testimonials. Consider watching and discussing this documentary of MIT survivors with your community and living group.

We deeply appreciate the work of VPR but recognize that the office is overstretched and understaffed for a university community of our size.

In addition, VPR and many students, faculty, and staff collaborate on the annual Sexual Assault Awareness Month series of events every April, including the campus version of the national "Take Back the Night" movement.

Every year, the student organization Stop Our Silence produces The Vagina Monologues, a national movement and drama production about survivors of sexual assault and violence. Consider inviting your friends and community members to watch The Vagina Monologues with you in February.

In Fall 2012, a new student organization called SAFER² (Students Advocating For Education on Respectful Relationships) was created with the goal of reducing sexual violence and advocating for healthy relationships through peer educational workshops in dorms and living groups. Consider inviting SAFER² to your dorm, fraternity, sorority, or living group.

In addition, on Feb. 28, SAFER² will be hosting a "One Night Stand for Student

MIT recently hired a Title IX Investigator, Sarah Rankin, formerly the Director of the Office of Sexual Assault Prevention and Response at Harvard University. We urge you to consider joining the Title IX Working Group if you are interested in issues of policy, especially with regards to the federal Clery Act and Campus SaVE Act, as well as MIT policies. Students, faculty, and staff can also participate in VPR's #Consent Campaign and in the MIT launch of the national "Speak Up" Campaign led by Prof. Ed Bertschinger, the new Institute Community and Equity Officer.

These are just some of the tools for dismantling rape culture at MIT. But we can do more.

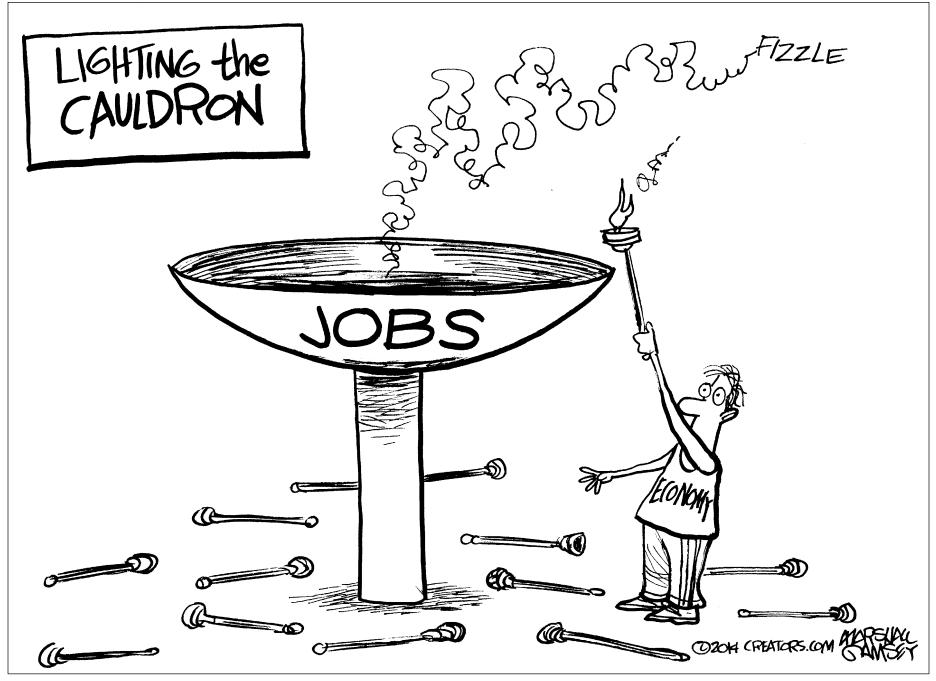
We ask for the community to help offer ways to fight against beliefs and behaviors of rape culture. We suggest up-to-date, comprehensive, and mandatory anti-harassment and anti-violence training for the community, especially undergraduate and graduate student leaders, housemas-

ters, RAs, and GRTs. While many of these groups receive some training already, we believe that some of it is rather inadequate. We strongly advocate reforms to the orientation programming for incoming undergraduates and graduate students, and the ending of using student funds to fund student publications that are a part of the rape culture on campus. We deeply appreciate the work of VPR but recognize that the office is overstretched and understaffed for a university community of our size.

In general, there are many examples of the manifestations of rape culture across MIT, whether it be on a social media site, at a social event, or during an activity. And the first step toward preventing and dismantling the rape culture that pervades our Institute is to be able to recognize its existence. While we have shown a few examples in this article, we encourage you to think about other areas of MIT that exemplify this culture.

In reaction to this article, we anticipate denial — but we can also hope for affirmation, solidarity, and positive and progressive action. Part of this hope stems from the positive and supportive reactions to *The Tech* article on Jan. 29, 2014, in which a brave individual shared her story of surviving a sexual assault at MIT. Indeed, the author specifically mentioned that MIT police were very supportive compared to the Assistant District Attorney. MIT's reaction to the incident shows the potential we have as a community to dismantle rape culture.

Cory Hernandez is a member of the Class of 2014, an undergraduate Member-at-Large of the ASA, as well as a former UA treasurer and Finboard Vice-Chair. Mitali Thakor is a graduate student in the department of Science, Technology, and Society, Charlie Andrews-Jubelt is a member of the Class of 2017, and Chacha Durazo is a member of the Class of 2014.





6 THE TECH
TUESDAY, FEBRUARY 11, 2014

Ring Premiere brings Class of 2016 together

Design pays tribute to Officer Sean Collier, tragic events of last year's Boston Marathon

Premiere, from Page 1

At 7:30 p.m., RingComm Chair Patrick A. Lowe '16 tried to start the ceremony, but was periodically drowned out by enthusiastic shouts from the audience. As each of the ten other members of Ring-Comm came onto the stage, the volume increased even more as each fraternity or sorority cheered for their own members.

RingComm has been criticized for its exclusionary selection process.

In the past, RingComm has been criticized for its exclusionary selection process.

"I would really like to see Ring-Comm make a more concerted effort to recruit non-fraternity and non-sorority members," said Michael Y. Cheung '16. "As it is right now, I don't think 10 out of 11 members being affiliated is an ideal way of representing MIT's diverse campus."

RingComm presented the class shank first, followed by the seal shank, Boston skyline, Cambridge skyline, and Hacker's Map. The most prominent feature of this year's class shank was the depiction of the Greek goddess Athena, who was included both for her wisdom and as the namesake of our computing system.

As a childhood fan of Greek mythology, I especially enjoyed this inclusion, an apparent tradition. This year, Athena wore a shield with the MIT Police badge proudly imprinted on it, while her right hand was curled around a spear with her thumb pointing up – reminding us of the right-hand rule we all used in our GIR's. Meanwhile, the three-headed dog Kerberos stood watch on the steps of Killian.

I missed a lot of these details the first time, as I couldn't hear half of what was being said on the stage.

"Way too many people were drunk and obnoxious, but it was to be expected," said Towle '16 afterwards. "People really need to learn how to be quiet, though."

In an email interview with *The Tech*, RingComm acknowledged the noise issue.

"Nothing is perfect, and there are always things that don't go completely according to plan," explained Lowe. "There are some things you just can't plan for, like how excited the crowd was."

Vice Chair Harini S. Suresh '16 added, "I don't think that diminishes the meaning of the event or

the design in any way. We took on the task of designing the ring knowing very clearly how important and meaningful it is for our class. Receiving the Brass Rat is a milestone, and Premiere was our way of celebrating it with everyone."

This year's seal shank featured the Alchemist sculpture upholding MIT's seal, with the words "punt" (to put off a pset) and "tool" (to work on a pset) hanging from his arms like Newton's cradle. This image represented the precious balance between work and fun that MIT students keep. Later, some students expressed confusion over this feature on the Class of 2016 Facebook group, either because they didn't know what punt and tool meant or didn't understand the design.

large "1" on the Prudential Center in commemoration of the One Fund that was created in the aftermath of the tragic events of the Boston Marathon, while the Cambridge skyline included a silhouette of Bexley Hall.

"I really liked the nods towards Officer Sean Collier and the victims of the Boston marathon bombing. It wouldn't have been right if they weren't there," noted Towle.

Fellow classmate Cheung agreed, saying, "I thought Athena's MIT Police Shield and the Boston Strong ball on the Green Building were really classy ways to memorialize the tragic events of last year."

Soon, the presentation reached the ring's most anticipated design: the bezel. As per tradition, a fake bezel with an intentionally "poor" 149th graduating class) on the joke bezel instead of the actual one.

While not everyone knew that the bezel was fake at first, most came to doubt the authenticity by the end.

"At first, I didn't realize the bezel was fake when the beaver eating cake was revealed, but by the time the bezel included the tribute to the ongoing construction on campus, I realized the ring was fake," explained Michael D. Belland '16, who won a free ring for being first in line. "That brass rat was too cynical to be our actual class ring, and I just continued yelling out 'Fake!' after that."

The last feature to be presented on the joke bezel was a wrecking ball for the beaver to swing on, referring to pop star Miley Cyrus' viral song. If it wasn't for the wrecking ball, I would have gladly taken the joke bezel just for the Dragonite.

Next came the fake Ring Delivery location - Harvard Yard. The picture of the location that showed up on the screen included a group of tourists taking pictures, to keep it realistic. Afterwards, the Ring-Comm Chair left the stage, as if Ring Premiere was over.

After a few seconds of silence,

Premiere, Page 7

This year's seal shank featured the Alchemist sculpture upholding the MIT seal, with the words "punt" and "tool."

"The execution of the PUN-TOOL could have been better - I wouldn't have known it was supposed to be a Newton's cradle had they not said so, and it looks like the balls are hanging from the Alchemist's armpits," said Cheung.

The Boston skyline included a

design was presented first. The Class of 2016 beaver wore a party hat and held a slice of cake in reference to Tim the Beaver's 100th celebration this year. Unfortunately for all of the Pokémon lovers out there, RingComm placed a Dragonite (the 149th Pokémon to parallel our

The beaver of 2016 is youthful and proud. His left hand holds a disk with the Mayan calendar, in tribute to the survival of our class through 12/21/12. Projecting from its center is a hologram of a globe, symbolizing the global influence and diversity of MIT. As our class is flanked by Olympic celebrations in 2012 and 2016, our Beaver's right hand grips an Olympic torch crafted from the letters MMXVI. He stands atop the Harvard Bridge at the 149th smoot mark. The upper railing of the bridge is a DNA double helix. As it passes the beaver on its way to MIT, the rough and leafy bridge evolves to being clear and defined, a nod to ground-breaking scientific discoveries and progress. The underside of the beaver's tail holds our ubiquitous motto "IHTFP", a slogan whose meaning flips as easily as the tail itself.



The Cambridge skyline is depicted under a dark night sky, as many see it on their way back from Boston. Voyager I, the first manmade object to leave our solar system, is visible in the sky above the Hayden Library. The silhouettes of Kresge, Bexley, the Great Dome, Killian Court, Hayden, Green Building (displaying 149 in hexadecimal), Walker Memorial, and the Media Lab can be seen along the riverfront. On the left, two crew shells, a quad and a double, can be seen forming 4^2. On the right race two Americas Cup AC72's, designed by MIT alums. The wing and sails of the leading boat form another 16.

Per tradition, MIT is emblazoned proudly above the seal of the Institute. Behind the seal, gears and circuitry represent our drive to understand the workings of the universe. As Atlas bore the weight of the sky, the Alchemist stands strong bearing the MIT seal. His numbers and symbols embody our work here and is a reminder of the humanity of knowledge. On his body a "12" and a "16" are printed, spanning the "T" to mirror those years that demark our time at the Institute. The Alchemist stands between a giant Newton's cradle caught between the dueling forces of "Punt" and "Tool". Just like a Newton's cradle, our lives constantly

swing back and forth be-

tween fun and work.

The Boston Skyline is depicted under a bright sky as viewed from campus during the day. A twelve pointed star streaks across the sky, representing the Russian meteor and our first year at MIT. Cast along the shoreline is the golden ratio, a mathematical representation of beauty and perfection. In the water, the historic MIT barge embarks on its maiden voyage across the Charles River. This represents the centennial anniversary of MIT's relocation from Boston's Back Bay to Cambridge. You can also see the silhouettes of the Berkeley Building, Hancock tower, Prudential Center, 111 Huntington Avenue, Back Bay Brownstones, and the Citgo Sign.

Our class year, 2016, is boldly cast above the Great Dome of Building 10. This iconic structure is the backdrop of Killian Court, the ground upon which we begin and end our MIT journey, and is guarded vigilantly by the 3 heads of Kerberos. Athena herself stands proudly in Killian Court, overlooking the epic snowball fight that took place in nor'easter Nemo's wake. Her right hand, adorned with a brass rat, grasps her spear, depicting the right-hand rule. On her left arm she wears the MIT Police shield, as a testament to those who protect us every day. Below, the modernized nuts and bolts form an overlapping MIT, clamped at the top by a Philips head screw to create a vertical XVI.

2003: Interphase, MITES begins to accept non-minority students

MIT plans to continue to enhance minority outreach

By Nathan Collins

Editor's Note: This article originally ran 11 years ago in Issue 3 of Volume 123 of The Tech on Tuesday, Feb. 11, 2003. "From the Archives" is the second of a recurring segment where we reprint articles from The Tech's archives that are relevant or interesting to today's MIT community.

MIT will open two minoritytargeted programs to students of all races following a complaint against MIT filed with the U.S. Department of Education's Office for Civil Rights, the Institute announced yesterday.

The programs, Project Interphase and the Minority Introduction to Engineering, Entrepreneurship, and Science, known as MITES, will now accept applications from students regardless of their race, though race will still factor into admission decisions, MIT said in a statement.

President Charles M. Vest said that MIT will "alter the programs in a provisional way" and work in the next year to find a permanent solution.

"I've always been very proud" of the programs, Vest said. "It was very painful to think this all through."

The change comes as universities across the country nervously review their affirmative action policies in light of a Supreme Court lawsuit challenging the admissions policy at the University of Michigan as illegally discriminatory.

Revised programs to keep goals

"After reviewing the programs and relevant law, MIT decided earlier this year to modify the selection criteria while maintaining the critical goals and purposes of these programs," the MIT statement said.

MIT will work to continue and enhance minority outreach, said Chancellor Phillip L. Clay PhD '75.

MITES has "served very well," he said. "I like to think when you look at the set of our programs," they have done well, he said.

"The goal was always to attract students" who might not have thought about MIT or might not have thought they could get in, Clay said.

"I'm not sure what an honest university would be doing" if they did not have such programs, he said.

BSU president praises MIT

Kasetta Coleman, president of the Black Students' Union and an alumnus of the MITES program, said that she is confident that "MIT will continue to attract" a diverse population.

"MIT has done an impeccable job" in supporting programs like MITES and Interphase, Coleman said

Clay and Vest met with leaders of minority student groups, including the BSU, last night to discuss the decision.

"There was some sadness and some hope that the change does not reflect a reduction in our commitment" to MIT's minority student programs, Clay said, adding that he and Vest affirmed MIT's commitment to minority recruitment.

Coleman said that MITES was "one of the most important factors" in her deciding to come to MIT. The program, along with the Freshman Leadership Program, "helped me figure out how to succeed" at MIT, she said.

Complaint filed several months ago

The complaint against MIT was made several months ago and asserted that the programs were racially exclusive, Clay said, stressing that there had been no formal government investigation as a result.

Title VI of the Civil Rights Act of 1964 prohibits some discriminatory practices at institutions that receive federal money. Neither MITES or Interphase receives federal money directly, but because MIT receives federal money, the programs fall under the law's purview.

The BSU first formulated Interphase in 1969. The program invites fifty underrepresented minority students to campus for eight weeks of rigorous academics and an introduction to the Boston area.

MITES, a similar program for about fifty minority high-schoolers, sends about thirty percent of its students to MIT, former MITES director William H. Ramsey '51 said in 1995.

News brief, from Page 1

MIT senior wins Gates Scholarship

Michelle H. Teplensky '14, a course 10B (chemical-biological engineering) major, won the Gates Cambridge Scholarship to pursue a PhD in the University of Cambridge starting this fall. Teplensky plans to work with Professor Nigel Slater, the head of the Department of Chemical Engineering and Biotechnology at Cambridge. Teplensky stated, in a comment to the MIT News Office, "Professor Slater's current research into targeted nanoparticles and biopolymers is a great fit for my passion and interests."

Teplensky has worked in three

different laboratories throughout her academic career at MIT. Her most recent research position, in the Langer Lab, focuses on using polymers to treat Type-1 diabetes. Teplensky hopes to ultimately become a chief technology officer of a biotechnology company for targeted, less arduous treatments.

Outside of her research life, Teplensky serves as a peer network engagement intern for MIT Hillel and is the president of MIT's American Institute of Chemical Engineers. According to her bio on for her sorority, Alpha Chi Omega, Teplensky's interests include "field hockey, snowboarding, and drama."

-Tushar Kamath

Ring Premiere 2016

Ring Delivery will be at State Room

Premiere, from Page 6

Suresh walked up to the podium to call him back.

"Wait, Patrick, that bezel was almost as bad as the Class of 2015's," she stated, eliciting boos from the Class of 2015 RingComm on the balcony.

The actual bezel featured a beaver holding an Olympic torch in its right hand, since our class came in during 2012 and will graduate in 2016. In its left hand, the beaver held a disc with the Mayan calendar, celebrating our survival despite the ancient Mayan prophecy of the end of the world last December.

Other details on the bezel included a dalek from Dr. Who, a globe to represent diversity, and

an MIT admissions tube. IHTFP was subtly engraved in the beaver's tail.

Last but not least, the actual ring delivery location was revealed to be the State Room, located at the heart of Boston's Financial District and at the top of a skyscraper.

Once the ceremony was over, there was a mad rush to get the free stuff on tables outside, which included commemorative T-shirts, shot glasses, and booklets explaining the design for everyone who couldn't hear.

Admittedly, the excitement from the ceremony was infectious – I bought a ring the next day, receiving the \$70 subsidy for being one of the earlier buyers. Judging by the lines, I know I wasn't the only excited one.

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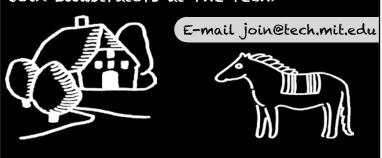
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Have you Googled yourself lately?

Tips for developing your personal brand

By Rayna Verbeck

There is no shortage of media buzz about the Millennial generation. From skyrocketing student debt, to the contracting job market, to the decline in traditionally "secure" professions, to the setbacks of coming of age in the worst recession in decades, the challenges of my generation are well-documented. The flip side of the doom and gloom prophecies is the unprecedented opportunities in the new economy for those who are willing to get creative to sell themselves and reach their goals. Whether you snag a traditional professional job, strike out as an entrepreneur, or work a 9-5 with projects on the side, strategically managing your personal brand can be what sets you apart from

a searchable, traceable record of your photos, projects, opinions, relationships and anything else you post or others post about you.

Inventory the Online You

The first step is to Google yourself. Focus on the first page of results. How many of the links are sites that you are monitoring or providing the content for, like a blog or Facebook? How many are sites by others, like a post you are tagged in or a new article about a club or school you are connected to? How many of them are surprises? Once you have a clear picture of your digital first impression, repeat the process with Google images. With rare exceptions, anything coming up on the first page of Google image searches (or before the scroll) should be appropriate enough to use. This could be sites like Instagram, Facebook, Twitter, Tumblr, etc. What you post or link to your social media outlets should be at worst neutral and at best helping you. Scroll through your 10 most recent posts on each site and quickly write down what the posts communicate. Is their message saying something positive about you? Are they related to your goals/career/business? Would they better serve you tucked away in an offline diary or photo album? Social media has an incredible power to communicate and should be aligned to your aspirations. Delete any comments, posts, tweets, photos, etc. that detract from the message of who you are and your goals. Also, delete any half-started or fake online profiles. They distract from your brand without offering any benefits.

Develop the Online You

Once you have a clear picture of your current brand and have cleaned up any problem areas, it is time for the hard part: deciding who you are and what you want. This isn't to say that you have to have the final answer - the definite essence of you. You need to be able to reevaluate and redefine as you grow. Map out an idea of who you are now and where you would like to go in the next few years to shape the brand that you want to project. Start with any clear next steps you would like to take, like looking for a job or starting a business. Then add in other features like current projects - from crafts, to game design to writing an ebook — art or literature that inspires you, affiliations with clubs, organizations or schools, or other pieces of your identity that can help you connect with other people. Once you have mapped out your personal brand, you have a guide for the types of content and channels you incorporate.

Once you design your personal brand, you should select the best online channels for your own content and audience - taking into account the ease of use for different sites and the time you have available to post and monitor content. With my personal brand, I found that Twitter, Facebook and Pinterest are best suited to the content and audience I am interested in, whereas sites like Instagram and Tumblr were not a good fit.

An effective personal brand is one of the quickest and most effective ways to build credibility.

Building your personal brand is a longterm commitment. After your personal brand is spruced up and you have selected the channels of distribution, content and information should be regularly updated. The frequency is up to you and varies depending on the channels you choose and what sort of content you are dispersing - for instance tweeting a single photo takes much less time than a blog post. As a general guideline, you should start with updates once a week. Many sites also offer scheduled posting so you can load multiple pieces of content and select when they are posted in advance. Whichever method and frequency you choose, the content you link to your name online should be aligned toward your goals.

Strategic personal branding can open doors to opportunities that can help you reach your goals. With thoughtful management, your digital brand can transform from a mere record to an asset.

For further information, check out my book RAY-ganomics: The New Rules to Becoming a Millionaire (Spring 2014) and the Small Bytes & Apps Entrepreneurship Conference at MIT February 22, 2014.

The first step is to Google yourself. Focus on the first page of results. How many of the links are sites that you are monitoring?

While branding has an established role in a business — we can all list traits of brands like Porche, Coke or McDonalds what can a brand offer a person? An effective personal brand is one of the quickest and most effective ways to build credibility. Online branding, especially social media, has become the go-to way to check a person's influence, resume, connections and current projects. Quantifying how many people "like" someone, use their services, support their ideas... a seemingly endless array of data is readily available. For a product or a person, gaining support and creating a clear brand message online improves access to opportunities from jobs to investors to customers.

To build a strong personal brand, the first step is to audit where your brand is now. Your digital personal brand is not raise the eyebrows of either a boss or elderly relative. At least one photo should be a professional-looking headshot.

When I first started monitoring my personal brand, I was applying to graduate school. I was surprised to see on the first page of search results links to my hometown newspaper covering competitions I competed in during high school. As I expanded the content I was posting about my current projects, those links slowly moved off of the first page. I also had to clean up my Google Image results unprofessional photos from college were still online and tagged to my profile. I untagged and deleted photos connected to my name and asked friends to do the

After auditing Google, repeat the process with the top 3 social media sites you



Feb. 1-14

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TUESDAY

FEB. 11 – FEB. 17

(3:30 p.m. - 5:00 p.m.) Socialization Ain't Always Nice: Order, Dis-

order, and Violence in the Post-Cold War World, with speaker Jeff Checkel of Simon Fraser University — E40-496

(4:00 p.m. - 5:30 p.m.) Effects of the Minimum Wage on Employment Dynamics, with speaker Jonathan Meer of Texas A&M university — E18-202

WEDNESDAY

(6:00 p.m. - 7:30 p.m.) Housing Prices & Housing Policies in Chinese Cities: Recent Empirical Evidence, with speaker Siqi Zheng

(7:30 p.m. - 10:00 p.m.) FiLmprov, an evening of musical improvisation and the world premier of Kate Matson's film Silhouettes with improvised score — Killian Hall

THURSDAY

(11 a.m. - 3:00 p.m.) Energy Expo 2014, hosted by the MIT Undergraduate Energy Club — La Sala de Puerto Rico

(5:00 p.m. - 7:00 p.m.) Play in the Age of Computing Machinery, with speaker Miguel Sicart — E41-633

(7:00 p.m. - 9:00 p.m.) The LSC shows O Brother, Where Art Thou?, also sponsored by the de Florez Fund for Humor (free

(8:00 p.m. - 10:00 p.m.) The Vagina Monologues @ MIT, \$2 for MIT affiliates, \$3 for public — 32-123

SATURDAY

(7:30 p.m. - 11:30 p.m.) MIT Ballroom Valentine Social Dance, free for MIT students, \$6 other students, \$8 MIT affiliates, \$10 public - La Sala de Puerto Rico

(8:00 p.m. - 9:30 p.m.) Either/Or Concert of music by Alvin Lucier, sponsored by MIT Music and Theater Arts — MIT Chapel

SUNDAY

(2:30p.m. - 5:00 p.m.) MIT Ballroom Dance Workshops: Waltz and Tango, free for MIT students, \$3 other students and MIT affiliates, \$5 general public — La Sala de Puerto Rico

MONDAY

(7:30 p.m. - 9:00 p.m.) MIT Ballroom Dance Workshops: Jive, free for MIT students, \$3 other students and MIT affiliates, \$5 general public — La Sala de Puerto Rico

Send your campus events to events@tech.mit.edu.

ARTSARTSARTS ARTS ARTS ART

A moving romance in a chaotic world

MIT Dramashop brings Arcadia to life in a brilliant and hilarious performance

By Chennah Heroor

ARTS EDITOR

Tom Stoppard's *Arcadia* pairs the parallel stories of teenaged Thomasina Coverly (Keenan A. Sunderwirth '14) and her tutor Septimus Hodge (Garett W. Schulte '17) in an early 19th-century England in Sidley Park, and follows Hannah Jarvis (Katherine A. Roe'14) in modern day. While Thomasina investigates determinism and physics near the turn of the century, Hannah uncovers the identity of Sidley Park's mysterious hermit.

During the first act, Thomasina is revealed to be a prodigy, imagining equations and intuiting an explanation of entropy, despite remaining comically misinformed about "carnal embrace"

Meanwhile, in the present, Bernard Nightingale (Trevor J. Mulchay '15) visits Sidley Park and attempts to convince Hannah to help him research a book autographed to Septimus. He believes the book is the key to proving that an Lord Byron killed Ezra Chater (Neil Fitzgerald '14), a minor poet. In the process, Hannah begins to research the inhabitants of Sidley Park, particularly Thomasina.

By the second act, the two story lines begin to converge, and characters from both periods share overlapping scenes

Arcadia certainly poses grand, contradictory theories about the relationship between sex (and love) and academia. In some scenes it postulates that sexual knowledge is the antithesis of academic endeavors, only to later suggest that love is all that is left to us in a dying, chaotic universe.



Arcadia

Directed by Kim Mancuso

Performed by MIT Dramashop

Little Kresge Theater

Feb. 6-8 and Feb. 13-15 at 8 p.m.

But the play also includes many hilarious puns and double entendres. The gap between the intelligence of characters like Septimus and the dense Mr. Chater, as well as Bernard's posturing and Hannah's perceptiveness work together to set up riotous jokes.

I particularly enjoyed scenes set in the earlier period featuring Thomasina and Septimus. The richness of their language made their scenes funny and serious by turns without losing focus on the major themes of the play. Sunderwirth and Schulte carefully modulate their buoyant energy throughout the performance, keeping their repartee sharp throughout their evolving relationship.

Many of the present-day scenes from the first act seemed belabored, because most of the tension in these sections revolved around Bernard's misinformed investigation of the book, a topic almost completely explained earlier scenes.

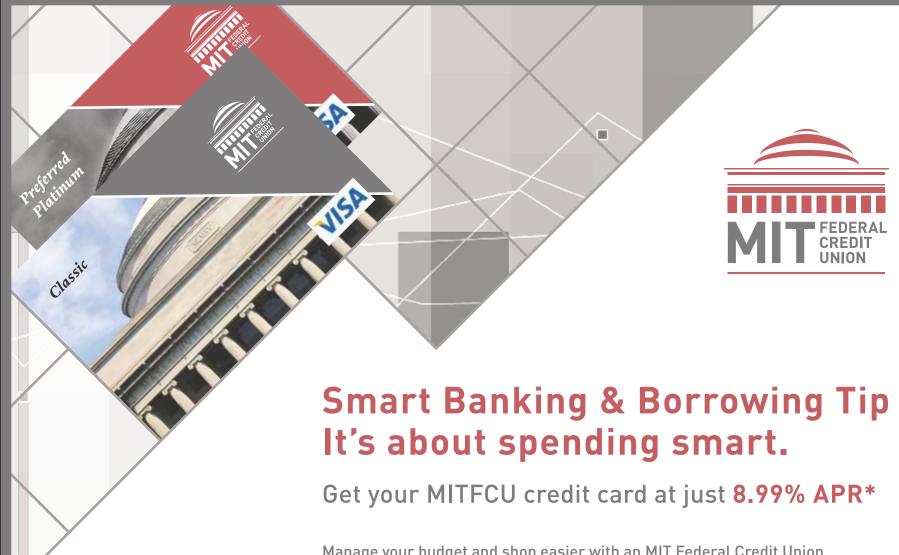
To be clear, this is Stoppard's fault. Roe did an excellent job highlighting the humor found in the occasionally pretentious text, but the first half of the play still contained several monologues that harped on the Stoppard's tired theories, and criminally understated some of the more interesting parallels between the centuries. In the second act, overlapping scenes removed this problem, and the play flowed more smoothly.

Overall, *Arcadia* runs about 3 hours, including an intermission. While this is a significant commitment, the cast of Dramashop makes this investment both worthwhile and hilarious. During the quiet, painful conclusion of the play, I wanted to watch Thomasina and Septimus's last embrace again and again, wishing that the universe wouldn't be quite so chaotic.



ERIC LEV

MIT Dramashop performed *Arcadia* last weekend in Little Kresge Theater.



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Q.E.D. (QUITE EASILY DONE)

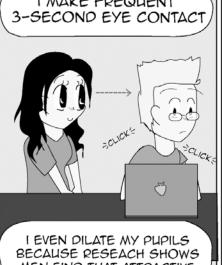
I MAKE FREQUENT

BY ERIKA TRENT



I'VE TRIED EVERYTHING. I CONSCIOUSLY SIT IN HIS FIELD OF VISION

I CONSTANTLY PLAY WITH MY HAIR MEN FIND THAT ATTRACTIVE WHEN HE'S AROUND







I PUBLICLY PROCLAIMED MY ATTRACTION TO HER

C A (isawyou.mit.edu

I SAW YOU MIT

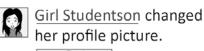
In Class

Plit 🏲

I saw you... pretty girl in my class.

1. deets?

I'VE INDICATED MY UN-CONDITIONAL SUPPORT FOR HER





You and 247 others like this

I EVEN DECLARED MY LOYALTY TO HER BY FOLLOWING HER ON TUMBLE AND QUORA















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Sudoku

Solution, page 14

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

Techdoku

Solution, page 14

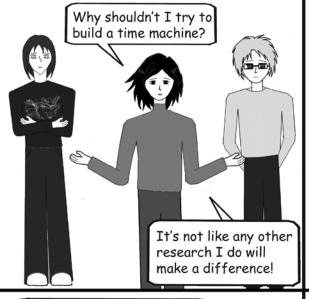
20+	: : : : : : :	40×		
	;	24×		1–
5×		3	2-	
	60×			6×
17+			3	
3		1-	2×	

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

JNFUNFUNFUNFUNFU

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





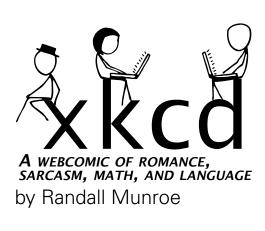


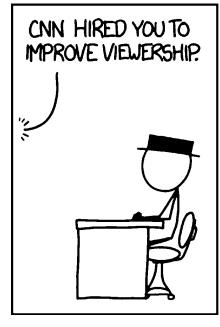




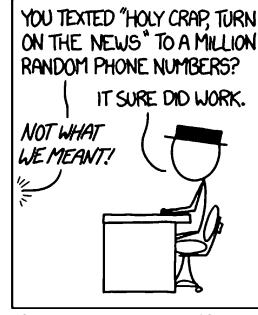


[1327] Mobile Marketing









We're firing you, but the online headline-writing division wants to hire you.

Saturday Stumper I by some Brad Wilbur

ACROSS

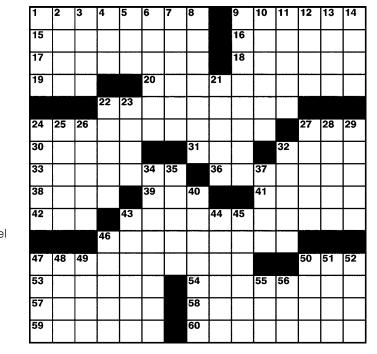
- 1 American Idol hopefuls
- 9 Rats at Oxford
- 15 Artless one 16 Not clashing
- 17 De Gaulle predecessor as French president
- 18 Smarts
- 19 Head of tourism
- 20 Mountain pass
- 22 Concerts with fireworks
- 24 Windows users
- 27 Cast-list abbr.
- 30 Word from the Latin for "little napkin"
- 31 Like many a 32 Across 32 Where firings happen
- 33 Get Cs and Ds, e.g.
- 36 Like some bunk beds
- 38 Paint holder
- 39 Navigation de plaisance venue
- 41 Chime in
- 42 Ending like -ish
- 43 Mongolia's Genghis Khan Club, for one

- 46 Certain rehearsal space
- 47 Yielded to peer pressure, maybe
- 50 Fall Classic part-timers
- 53 Refinery by-product
- 54 Stubbornly oblivious 57 Second chance
- 58 "I Cain't Say No" singer
- 59 Renders unreadable
- 60 Ultimate

DOWN

- 1 Tender
- 2 Org. that creates output ceilinas
- 3 TV guy and Popular Mechanics columnist
- 4 I may stand for it
- 5 First network to stream fulllength episodes
- 6 Clink
- 7 Weighed down by 8 Oscar song for 2012
- 9 Colors
- 10 Harlequinade
- 11 Are not faddish

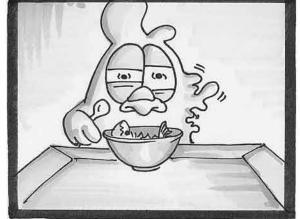
- 12 Piece of cheese
- 13 Splendor in the Grass screenwriter
- 14 Push to the limit
- 21 Be a slowpoke
- 22 Digs
- 23 Bit of Tolkien symbolism
- 24 Station
- 25 Superb
- 26 Erie or Huron
- 27 Attach, as a bookplate
- 28 Admixture 29 Setting of a Cussler novel
- 32 Shot
- 34 Filler of some reels 35 Jodie Foster, circa 1984
- 37 Pan feature
- 40 Box-of-chocolates pick 43 Checked in, maybe
- 44 Wicked character
- 45 Spritely movements
- 46 Scream for
- 47 Many YMCAs offer prep for them
- 48 Online backpedaler's intro
- 49 Wearer of iron gloves and a

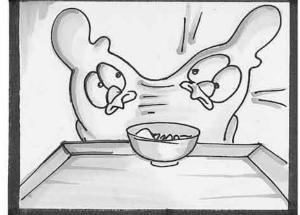


- power-belt
- 50 Viva Rock Vegas character 51 "Can draw you to her with a single __": Dryden
- 52 It may be slowed with reins
- 55 Polish off
- 56 Provo-to-Salt Lake City dir.











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Sudoku II

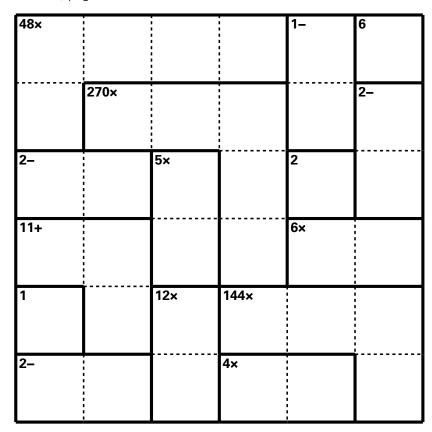
Solution, page 14

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

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

Techdoku II

Solution, page 14



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

Saturday Stumper II by some S.N.

ACROSS

- 1 Four bells, at sea 6 Take the lead
- 15 2013's cheapest city for dinner, per TripAdvisor
- 16 Big wheel
- 17 DiCaprio, at the end of Catch Me If You Can
- 18 Their emblem is the Eagle, Globe, and Anchor
- 19 Scanty
- 20 Moves with trunks
- 21 Grad students, frequently
- 22 Retro golf wear
- 23 Small choirs
- 25 Short petition
- 26 Mirrors
- 28 Word from Old French for "hold firmly"
- 29 Person often courted
- 30 Big name in harmless weaponry
- 31 Modern bookmark
- 32 Ride
- 33 TV genre 35 Wheels, bricks, etc.

- 39 It may lie in a bed
- 40 Moody's lowest investment-grade rating
- 41 The Gemini's mother
- 42 They're not talking
- 45 World _
- 46 Stay behind
- 47 Home of Cinecittà Studios
- 48 Wagner portraitist 50 Artery, for short
- 51 Proprietor of
- imaginepeace.com
- 52 Go-getting 53 What's the matter?
- 55 How many drive
- 57 Go-getter
- 58 Inconsequential 59 Forsyte Saga wife
- 60 It's duller than cobalt 61 Molasses, essentially

DOWN

- 1 Post-apocalyptic best-seller
- 2 Good garden-tool cleaner

- 3 Plugging or mugging,
- perhaps 4 Unskilled
- 5 Uriah in The Greatest Story
- Ever Told 6 Tumultuous
- 7 Where Goddard launched 31 rockets, 1930-41
- 8 Antagonism
- 9 Surname of two
 - Massachusetts Constitution coauthors
- 10 Former Project Runway judge
- 11 It's in the center of similes
- 12 Charged
- 13 Close relative of 14 Down
- 14 Private line 24 Unpolished
- 25 "The Universal Car"
- 27 Its collection includes Rivera's Flower Carrier
- 29 Struggle
- 32 Cocoa relative
- 34 Interns' workplaces 35 Cuddle up
- 30 33 53 57 58 59
- 36 Buccaneer
- 37 Software staple
- 38 Demonstrator, e.g.
- 40 Tube-top kin
- 42 Renders romantically
- 43 '70s Asian leader 44 Its genome is 100 times
- larger than humans'
- 45 Prada competitor
- 48 Soul ancestor
- 49 Analyze This director
- 52 Circus structure 54 Disraeli or Churchill
- 56 Land on

TUESDAY, FEBRUARY 11, 2014 **THE TECH 13**

Class of 1967 meets with freshman class

2017s also presented their stories

Alumni, from Page 1

met J. Larkin graded the essay and included the comment "no content, no structure, and your English is atrocious. See me!" When Constantine met with Prof. Larkin, he was told he would "never be able to write an intelligent sentence, much less an intelligent paragraph."

Constantine took his professor's criticism as a challenge and is thankful for the experience. He said that "it's a sad irony that that couldn't happen today" due to "political correctness."

Barbara Gilchrest '67, who said she was the first in her family to go to college, described her process of choosing MIT while on a trip to Boston with a friend. She said that at the time, the girls at Wellesley were "sitting in their dorm, ironing their dresses and discussing their dates they were going to have that night," while "the [Radcliffe] girls were sitting around rather dejectedly talking about what a difficult, distressing world we lived in." However, she said that the girls she met at MIT "wanted to talk about how they planned to change the world." She explained that that is what made her fall in love with MIT. Now, she is a Professor and Chair Emeritus of Boston University School of Medicine's Department of Dermatology.

Reflecting on her decision to attend MIT, she has no regrets. She

learned here that "if you're given a complex problem, you can logic it out." She added that she "never again saw the intensity of work that [she] saw in the people around [her] at MIT," and especially praised MIT's leaders for taking action against gender discrimination.

Unlike the Class of 1967 speakers, the members of the Class of 2017 focused heavily on technical topics. Nikhil Buduma '17 discussed biology and his research on giving cells the ability to perform computation, so that they can selectively repair genes. Clarisse Caliman '17 reflected on her experiences traveling and working on social problems abroad. Rumya S. Raghavan '17 followed up with a discussion about the cancer research she has performed and her plans to continue research in the future, while William W. Jack '17 narrated his experience building a homemade particle accelerator.

Impressed, Bob V. Ferrara '67 asked the speakers from the Class of 2017 how they had gained so much experience already. "We've never done any of this stuff; I'm impressed," he said.

Jack replied that he believes that it is the Internet that has enabled the Class of 2017 students to do so much. It's "a great forum for sharing knowledge," he said.

In the future, Ferrara said that his class plans to host more events with

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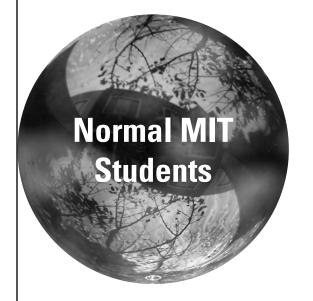
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If you have questions about this program or experience difficulty using the website, please contact Marlisha McDaniels, via email: mmcd@mit.edu or at the ISN Headquarters, NE47-4thFl. 617.324.4700.

The ISN The mission of the MIT Institute for Soldier Nanotechnologies is to help the Army dramatically enhance Soldier protection and survivability through basic research on nanotechnology and in collaboration with Army and industry partners to transition promising results of that basic research into practical capabilities.

*The Army Lab provides the intern's salary, which typically ranges from \$2280/month to \$2864/month depending on class year. Under certain circumstances the ISN can provide the intern with a supplement of up to \$1500 to defray costs of local accommodations and travel. 14 THE TECH Tuesday, February 11, 2014

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Startups need room to grow

Small firms are vital to Boston's success, report says

By Paul Mcmorrow

TWELVE MILES wasn't always a long haul. But for the types of companies that fill Cambridge's Kendall Square and Boston's Seaport, a dozen miles might as well be an eternity. Biogen Idec found this out in 2010, when the Cambridge biotech giant moved some of its workers from Kendall to a shiny corporate campus in Weston. The Weston digs were a quick car ride away from Biogen's researchers in Kendall, but within a year, Biogen execs were laying plans to return to Kendall Square.

Tuesday marks the end of Biogen's suburban odyssey - the opening of its newly built Cambridge headquarters. The opening shows just how drastically the geography of Massachusetts's innovation economy has shifted. Companies once craved addresses in the tony office parks that line Route 128 in the western suburbs. Big firms are now paying premiums to set up shop in the city, because they see huge value in clustering with like-minded companies.

The suburban exodus means demand for commercial space around Kendall Square and the Seaport is greater than it's ever been. The danger is that all this demand prices out the small companies that are driving the innovation economy's urban movement in the first place.

Biogen couldn't leave Cambridge behind because it belongs to an industry that thrives by keeping close to ideas and talent. Kendall Square's biotech and pharmaceutical cluster keeps growing because large industry players feel the need to plant a flag in the neighborhood. "They're collabo-rating with academics and smaller entrepreneurial companies, and proximity matters," says Tom Andrews, the regional director for Alexandria Real Estate Equities.

Alexandria is one of Cambridge's largest landlords. The company developed the larger of the buildings Biogen left Weston for. Large companies like Biogen are crowding into places like Kendall Square, looking to be close to the numerous small companies the neighborhood produces. These small startups are the glue that holds Kendall Square together.

Big firms are now paying premiums to set up shop in the city, because they see huge value in clustering with likeminded companies.

A recent report from Harvard University's Rappaport Institute for Greater Boston underscored the need for Kendall Square to protect and advance its startup culture. The report by Ed Glaeser (who is a Globe op-ed contributor) looked at more than three decades' worth of job performance across the country, and found that the number of small firms in a given region predicted its economic success. Metro regions with the most startup activity saw the most job growth, while company towns bred weak growth. One of the main differences between a healthy city like Boston and a place like Detroit is creative churn.

Boston has a history of throwing tax breaks at large firms. But Glaeser's report suggests that if Boston and Cambridge are serious about growing, they need to focus more on what's causing companies like Biogen, Novartis, Pfizer, Google, Facebook, Amazon, and Zipcar to grow locally. The answer is in Greater Boston's startup engine - MIT and Harvard, the Cambridge Innovation Center and MassChallenge. Kendall Square and the Seaport are only magnets as long as they continue growing the small firms that compel big firms to stay in town. And those small companies can only grow as long as they can find affordable office space - something that's becoming increasingly difficult, as more big firms flock to greater Boston's tech clusters.

Cambridge and Boston have both taken stabs at regulating cushions for startups. District Hall, a new Seaport restaurant and meeting space for local companies, exists because Boston officials compelled a private developer to build it. And when Cambridge permitted MIT's massive redevelopment of its Kendall Square properties last year, it secured a 10-percent set-aside for startups and smaller companies in the 1 million square feet of commercial development permits the school received.

Development mandates aren't enough, though. As they look to protect and encourage startups, Boston and Cambridge would be wise to give running room to the kind of startup hubs that Workbar has created.

The rapidly growing coworking firm hosts 500 companies working out of 21,000 square feet of shared offices in Boston and Cambridge. Dozens more have desks set up inside larger companies across the region. Members - a mix of startups, small firms, and employees of larger companies working remotely — rent space monthly. They're able to launch their businesses in a low-cost, low-risk way. More importantly, they come together to form an engaged entrepreneurial community that strengthens the pipeline of new companies in the area. And it's a strong pipeline of tiny companies that keeps the big ones in town.

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T	U	В	E		L	Α	C			0	Р	ı	N	E
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Solution to Sudoku I

from page 10

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

Solution to Sudoku II

Solution to Crossword I | Solution to Crossword II

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П			0		Ε		В	Α	Α		L	Ε	D	A
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R	0	М	Α		R	E	N	0	I	R		R	T	E
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Solution to Techdoku I

from page 10

6	3	2	1	5	4
2	5	4	3	1	6
1	4	3	2	6	5
5	2	1	6	4	3
4	1	6	5	3	2
3	6	5	4	2	1

Solution to Techdoku II

3	1	4	2	5	6
2	6	3	1	4	5
6	4	1	5	2	3
4	2	5	3	6	1
1	5	2	6	3	4
5	3	6	4	1	2

Tuesday. February 11. 2014 **THE TECH 15**

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*All individuals' quotes originally published by *The Epoch Times* and New Tang Dynasty Television

EXPERIENCE 5,000 YEARS OF DIVINELY INSPIRED

OR THE PAST 5,000 years, China amassed a diverse legacy of heroes, myths, and values that still resonate in the present. Today, Shen Yun Performing Arts is reviving the world's most ancient heritage in full color through dance and music. This past January, right before the Chinese New Year, Shen Yun sold out Lincoln Center, of ancient China, recalling the

introducing an all-new 2012 show grandeur of a culture long lost.

to New York City audiences. "It was an extraordinary experience," said Academy Awardwinning actress Cate Blanchett after watching Shen Yun. "The level of skill, but also the power of the archetypes and the narratives were startling. And of course it was exquisitely beautiful."

Shen Yun captures the spirit

The show moves quickly from one story, region, and dynasty to the next. Down in the valley, ladies of the Yi ethnic group dance in rainbow skirts by the river. In the heavens, celestial fairies trail silken sleeves through the clouds. Resounding drums awaken the dusty plateaus of the Middle Kingdom.

Gorgeous backdrops extend

the stage, transporting the audience to distant lands and eras. An orchestra, combining Western and Chinese instruments like no other, accompanies with stirring scores. Dancers fly across the stage in an array of flips, spins, jumps, and aerials. The energy of classical Chinese dance is contagious; the entire performance, mesmerizing.

"Fantastic!" says Joy Behar,

from ABC's The View. "If you ever show engagement. Shen Yun get a chance to see it, you should."

GLOBAL PHENOMENON THAT CAN NOT BE SEEN IN CHINA

After performing before full houses across Asia and North America, New York-based Shen Yun Performing Arts is returning to Citi Wang Theatre in February for a limited fourcannot be seen in China today where traditional culture has been mostly destroyed under communist rule. Yet, Shen Yun has become a global cultural sensation bringing the virtues and wisdom of traditional Chinese culture to millions of people across four continents.

Discover what art was meant to be. Discover Shen Yun.

Men's volleyball ends weekend on a winning note

MIT comes out with a 2-1 ledger in the first VCU Crossover tournament of the season

By Mindy Brauer

Serving as host for the first United Volleyball Conference (UVC) Crossover Tournament of the season, the MIT men's volleyball team emerged with a 2-1 ledger at the conclusion of the two-day affair. The nationally-ranked No. 13 Engineers (6-2, 3-1 UVC) opened up action with a 19-25, 25-21, 21-25, 25-20, 15-13 victory over No. 7 Elmira College but then fell to No. 6 Nazareth College, 25-23, 25-22, 25-13. MIT bounced back by blanking D'Youville College, 25-17, 25-12, 25-9, on Sunday afternoon.

Christopher T. Omahan '15 amassed 16 kills, a .419 hitting percentage, 10 digs, and three blocks in the five-set thriller versus Elmira. Aaron D. Zalewski '17 posted eight kills, five blocks, and an ace as Martin J. Krasuski '17 also added eight kills. Kenneth M. Siebert '14 bolstered the attack with seven kills while Bradley L. Gross '15 recorded three blocks. Paul M. Syta '14 tallied 35 assists, 14 digs, four blocks, and an ace as Brendan S. Chang '16 racked up 21 digs. Alexander C. Klein '15

rounded out the front row with four blocks while Evan Wang '14 dished out eight assists.

In the nightcap with Nazareth, Omahan paced the Engineers with seven kills and three blocks in addition to four digs. Siebert notched six digs and five kills as Andrew A. Busse '15 chipped in four kills and two blocks. Gross and Klein both had two blocks apiece while Chang generated four digs. Syta finished with 22 assists, four kills, and four digs as Wang registered seven assists and

Krasuski powered the Cardinal and Gray

with eight kills and a .583 hitting effort in its sweep of D'Youville. Klein also finished with eight kills to go along with a .375 hitting performance and four blocks. Narindra N. Peaks '17 connected on all four of his attack attempts and added three blocks and two aces. Siebert chipped in five kills as Chang recorded 10 digs. Syta produced 19 assists, five digs, and two aces while Wang distributed 13 assists.

Next up for MIT will be a road trip to conference foe No. 9 NYU on Wednesday, Feb.

Women's basketball loses match to Smith College

7-0 run by Smith College in the second half decides the match as MIT falls 65-54

By Mindy Brauer

MIT held leads early in the second half, but Smith College edged back ahead midway through the final 20 minutes and went on to take a 65-54 decision in a New England Women's and Men's Athletic Conference (NEWMAC) women's basketball game on Feb. 8. Sabrina M. Drammis '16 led the Engineers with 16 points and nine

With the game tied at 4-4 after the first four minutes of play, a three-pointer from Rosa Drummond and a jumper by Jade Chihara gave Smith (12-10, 12-5 NEWMAC) a 9-4 edge. MIT (9-12, 6-10 NEWMAC) did not let the Pioneers get any further ahead, coming back with a basket from Mari R. Kordell '15 and a three-point play by Michelle Battipaglia '15 to tie things up at the 13:35 mark.

Another jumper from Battipaglia completed a 7-0 run that put the Engineers on top for the first time at 11-9, but Smith came back with four straight and regained the lead on a layup by Jazmine Collins with 9:19 to go. A layup by Tamara R. Pena '14 knotted things back up again, but Smith came back with five straight points to take an 18-13 lead on a Collins free throw.

MIT came right back, with the first basket of the game by Drammis starting the Engineers on a 6-0 streak that had them up 19-18 on a pair of Kordell free throws with 5:47 to play in the half. Smith then put together a 7-0 spurt, with back-to-back jump shots by Laruen Weston putting the Pioneers up 25-19. Maya K. Ramachandran '16 ended the Smith run with a layup with three minutes left and the Engineers closed to within a

point at the half on baskets by Drammis and Rachel A. Hunt '14 that made it 28-27.

Smith scored the first four points of the second half to up its lead to five, but MIT came back with six straight to take a 33-32 lead on a layup from Osheiza Otori '15. The lead changed hands four times over the next two minutes, with the Engineers again taking a one-point lead on a Drammis jumper at the 14:29 mark.

MIT missed its next four shots from the field, however, and Smith took advantage of the drought to score seven straight to take a 43-37 lead on a pair of free throws by Collins. Kordell ended the MIT scoring drought with a bucket with 10:38 left, but Smith eventually pulled out to a 51-41 advantage with 7:48 to play a jump shot by Paulina Solis. The Engineers could not put a run together against the Pioneers and still trailed by 10 with 2:09 left after a pair of free throws from Kordell. From there the Engineers were held to just a Drammis jumper in the final minute as Smith went on to claim the victory.

Kordell finished with 13 points for MIT, with Ramachandran also reaching double figures by hitting 5-of-10 shots for 10 points. The Engineers held a slight edge in shooting percentage, hitting on 42.3 percent of their shots compared to Smith hitting at a 40.7 percent clip. The Pioneers had four players in double figures, with Lauren Weston leading the team with 12 points and seven rebounds. Solis and Collins finished with 11 each, while Drummond added 10 points.

MIT will be back in action on Wednesday night when the Engineers host Wheaton College at 8:00 p.m. Smith will also play on Wednesday, taking on Springfield College in Springfield at 5:30 p.m.

UPCOMING HOME EVENTS

Wednesday, February 12

Women's Fencing vs. The Beanpot Men's Fencing vs. The Beanpot Men's Basketball vs. WPI Women's Basketball vs. Wheaton College 6 p.m., duPont Athletic Center 6 p.m., duPont Athletic Center 6 p.m., Rockwell Cage 8 p.m., Rockwell Cage

Men's basketball snaps two-game losing streak

MIT wins 45-37 in low-scoring competition

By Phil Hess

MIT snapped a two-game losing streak on Feb. 8 as the Engineers took a defensive-minded game at the U.S Coast Guard Academy, 45-37, in a New England Women's and Men's Athletic Conference (NEWMAC) men's basketball contest. In a game that saw the two teams combine to shoot 28 percent, MIT saw three of its players score 10 points each, including Matthew M. Redfield '15 who also added five blocked shots for the Engineers.

MIT went 8-for-10 from the free throw line down the stretch to ice the victory and sweep the regular season series from the Bears.

In a first half that saw the two teams combine for just 29 points, MIT (15-6, 6-4 NEWMAC) did not make a field goal until the 15:38 mark when Andrew M. Acker '15 laid one in. Coast Guard (5-16, 2-8 NEWMAC) had only hit two threes in the opening minutes, however, and Acker's basket had the Engineers within two at 6-4.

After its opening treys, Coast Guard did not score for nearly six minutes and MIT put together a 10-0 run that was finished by pair of Redfield free throws that had the Engineers up 12-6 at the 10:44 mark. Kevin Alvarez sank a three-pointer for Coast Guard to break the Bears scoring drought and went on to score six straight points for his team. His free throw with 8:20 left pulled Coast Guard to within one at 13-12, but Redfield answered with a layup to make it a three-point game. A basket by Ricky Rodriguez brought it back to a one-point affair with six minutes left, but the scoring in the half ended there as the two teams went a combined 0-16 from the floor the rest of the way.

It was more than two minutes into the second half before any more points were put on the board, with a trey by Jordan Lachowsky putting Coast Guard on top 17-15. Another trey from Rodriquez gave the Bears their largest lead of the game at 20-15, but baskets by Timothy J. Butala '17 and Ryan L. Frankel '16 had MIT back within a point with 14:52 left.

With 10:21 to go a Butala trey put MIT back on top, 25-23. That started what turned out to be the biggest run of the game for either team as the Engineers used the shot to kick-start a 12-3 run over a nine-minute span that decided the game. A free throw from Redfield, who scored four of the points in the run, with 3:14 left ended the streak and gave MIT a 34-26

With 1:20 left Coast Guard got it down to a five-point deficit on a jumper by David Anderson, but MIT went 8-for-10 from the free throw line down the stretch to ice the victory and sweep the regular season series from the Bears. Justin M. Pedley '16 hit a pair of treys and finished with 10 points for MIT, with Frankel also finishing with 10. Redfield completed a doubledouble with 13 rebounds for the Engineers, who out rebounded Coast Guard 41-31. Alvarez paced the Bears with 10 points, with Devonte Weems pulling down a team-high eight boards for Coast Guard.

MIT will host first-place WPI on Wednesday night in its next game; hosting WPI at 6:00 p.m. Coast Guard will host Emerson on Wednesday at 5:30 p.m. in its next contest.

MIT hosts Gordon Kelly Invitational



SARAH LIU-THE TECH

Shivani A. Kaushal '15 stretches out a pack of runners in the women's 3000 meter race during the Gordon Kelly Invitational hosted at MIT this past Saturday. Both the No. 3 women's and the No. 9 men's indoor track and field teams will be next participating in the Tufts Invitational this



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