

CPW events allowed to extend past 1 a.m.

Consensus reached between student leaders and the MIT administration

By Kath Xu
NEWS EDITOR

Campus Preview Weekend (CPW) events can now once again be held past 1 a.m., according to the Undergraduate Association (UA) President Sidhanth P. Rao '14. However, all events held after 1 a.m. must have a “wind-down” component, and will be presented in a different style in the Admissions Office CPW booklet. The announcement comes after the MIT Admissions Office’s announcement in December of a ban on all events between 1 and 6 a.m. In previous years, CPW events were allowed to be held after 3 a.m. as long as there was a safety plan to get the prefrash home.

The decision to reverse the original ban came after several meetings

between student representatives and the administration over the past two months. The most recent consensus was hashed out in two meetings last Thursday and Friday between the UA, Chancellor Cynthia Barnhart PhD '88, Dean of Undergraduate Education Dennis Freeman PhD '86, and Dean of Admissions Stuart Schmill '86.

In addition, the administration also agreed to begin allowing MIT students to serve on the CPW Advisory Committee, which currently consists only of MIT staff. It was at the recommendation of the committee that the 1 a.m. ban was first implemented, after the members looked into the official Institute policy that all MIT events must end no later

CPW, Page 13

Student innovators may get new legal resource

Tidbit’s legal battle prompts letter from Reif, who vows support for Rubin & team

By Austin Hess
EDITOR IN CHIEF

President L. Rafael Reif sent a letter to the MIT community Saturday evening clarifying the Institute’s support for the student creators of Tidbit, the Bitcoin-harvesting hackathon project, which was the subject of a subpoena from the State Attorney General of New Jersey served to Jeremy L. Rubin '16. The response, which also includes a proposal for a new “resource for independent legal advice” for students, comes after Professor Hal

Abelson PhD '73; Ethan Zuckerman, director of the MIT Center for Civic Media; and Nathan Matias G released a widely-circulated open letter advocating that MIT take an official stance on the matter.

Reif’s letter to the MIT community reads, “Beyond this specific case, I believe we should provide our student inventors and entrepreneurs with a resource for independent legal advice, singularly devoted to their interests and rights.”

Tidbit, Page 11



TARA A. LEE

Scores of hackers filled Lobdell this past Saturday for MakeMIT, a hardware hackathon in which teams of three to five competed to build a hardware prototype in only sixteen hours.

The top ten teams from this past weekend will compete again next Saturday with access to a machine shop and more materials.

Mechanical engineers flock to hardware hackathon MakeMIT

50 teams, 200 students participate in MakeMIT’s first year

By Stephen Suen
STAFF REPORTER

Approximately 200 students gathered in Lobdell Dining Hall last Saturday to participate in the first phase of MakeMIT, a hardware hackathon organized by TechX. While the past year has seen college hackathons (including TechX’s very own HackMIT) increase in both scale and number, most of the emphasis has been on software, with few options for non-computer science students to get in on the action.

“We saw there were hackathons happening basically everywhere across the U.S. Hackathons provide a great environment for Course 6 people,” said Thuan D. Doan '15, one of the event organiz-

ers. “We said, why isn’t there something like that for hardware? For MechE’s and for 6-1’s? One of the reasons why is because there’s such a high barrier to entry. We thought this would be a great opportunity to fix that.”

MakeMIT debuted this year with about 50 teams of three to five students each. Registration opened in January.

“MakeMIT provided me with an excuse to ditch my daily monotonous life, and build something just for the fun of it,” said Emma M. Steinhart '16, a student in Course 2 and first-time hackathon participant. “I haven’t done a hackathon before, because they are all for software-related things, and I’m into designing mechanical things.” In fact, mechanical engineering was the

MakeMIT, Page 7

IN SHORT

Minor completion forms are due on Friday, Feb. 21.

All final-term seniors should submit a minor completion form by this date to avoid a \$50 late fee.

Student forum on hacking, ethics, and community scheduled to take place on Monday, Feb. 24 at 6:30 p.m. in 6-120. Professors Steven R. Hall and Chris A. Kaiser will lead the UA-sponsored forum, which will address questions raised by the report “MIT and the Prosecution of Aaron Swartz.” Those who wish to attend should RSVP to facultychair-reply@mit.edu.

The CPW activity registration deadline is approaching. All activities must be registered by Wednesday, Feb. 26 at 5 p.m.

MURJ CPW Poster Competition is currently accepting entries to be presented on Saturday, Apr. 12. Entries are due Wednesday, Feb. 19; prizes will be awarded to top presenters.

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

NEWS BRIEFS

Olafur Eliasson to receive the 2014 Eugene McDermott Award in the Arts at MIT

Olafur Eliasson, the recipient of the 2014 Eugene McDermott Award in the Arts at MIT, will be on campus to receive the award on March 12-14. The award, which recognizes innovative talents in any artistic discipline, includes a prize of \$100,000 as well as a residency at MIT.

During his brief residency, Eliasson will focus his artistic efforts on environmental issues and sustainable energy. He will primarily lead conferences about sustainable development, community engagement, product engineering, and social entrepreneurship in developing economies. He will also share his experience with campus communities such as the MIT Energy Initiative (MITEI), the Sloan School of Management, MIT’s D-Lab, the MIT Center for Civic Media, and the MIT

Museum.

Eliasson is known for his large contributions to public art and architectural projects. He worked on the Weather Project, which resulted in the creation of an artificial indoor climate landscape. New York City commissioned him to help design the New York City Waterfalls, four man-made waterfalls located in New York Harbor that ran in 2008.

He has also played a large role in creating Little Sun, a high-quality, solar-powered LED lamp, which attempts to provide affordable and reliable light to people without access to electricity while reducing emissions from kerosene lamps. So far, the invention has been used in communities in Zimbabwe, Uganda, Kenya, Burundi, Senegal, Ethiopia, and South Africa. Eliasson will speak about Little Sun at MIT on March 13.

Reports of Breaking and Entering at Burton Conner

Sergeant Cheryl Vossmer of MIT

Police sent out an email to the MIT undergraduate community last Thursday, concerning instances of theft at Burton Conner.

Between Feb. 11 and Feb. 12, there were three reports of theft from residents’ rooms. All rooms were closed but unlocked. Items stolen include laptop computers, an iPad, perfume, checkbooks, and a brass rat. Four similar cases of theft were also reported at MacGregor and New House earlier in January.

MIT Police now recommends that students lock their doors and windows and document all electronics and valuables. They are also asking that students remain watchful and report any suspicious activity relating to the crimes to the MIT Police.

The MIT Police can be contacted at (617) 253-1212. Anonymous tips can be placed at (617) 258-TIPS.

The Tech will continue to cover this story as it develops.

—Patricia Dominguez

BITCOIN WARS

Are we overreacting to the subpoena served to Tidbit? **OPINION, p. 4**

CORSETS AND CURDS

Stoddard’s is a fine gastropub for non-vegetarians. **ARTS, p. 9**

COFFEE IS MAGIC

QED showcases the generative powers of coffee. **FUN, p. 6**



PIGEON COMICS

Today’s pigeon shows how to slip into class late without being noticed by the professor. **FUN, p. 5**

SCIENCE AND ART

Abstract paintings attempt to bring the two worlds together. **ARTS, p. 10**

SECTIONS

World & Nation2
Opinion4
Fun Pages5
Arts9
Sports16

U.N. panel: North Korean leader could face trial

THE NEW YORK TIMES

“Systematic, widespread and gross human rights violations have been and are being committed by the Democratic People’s Republic of Korea, its institutions and officials,” the report asserted, referring to North Korea by its official name.

Pakistan suspends Taliban peace talks over killings

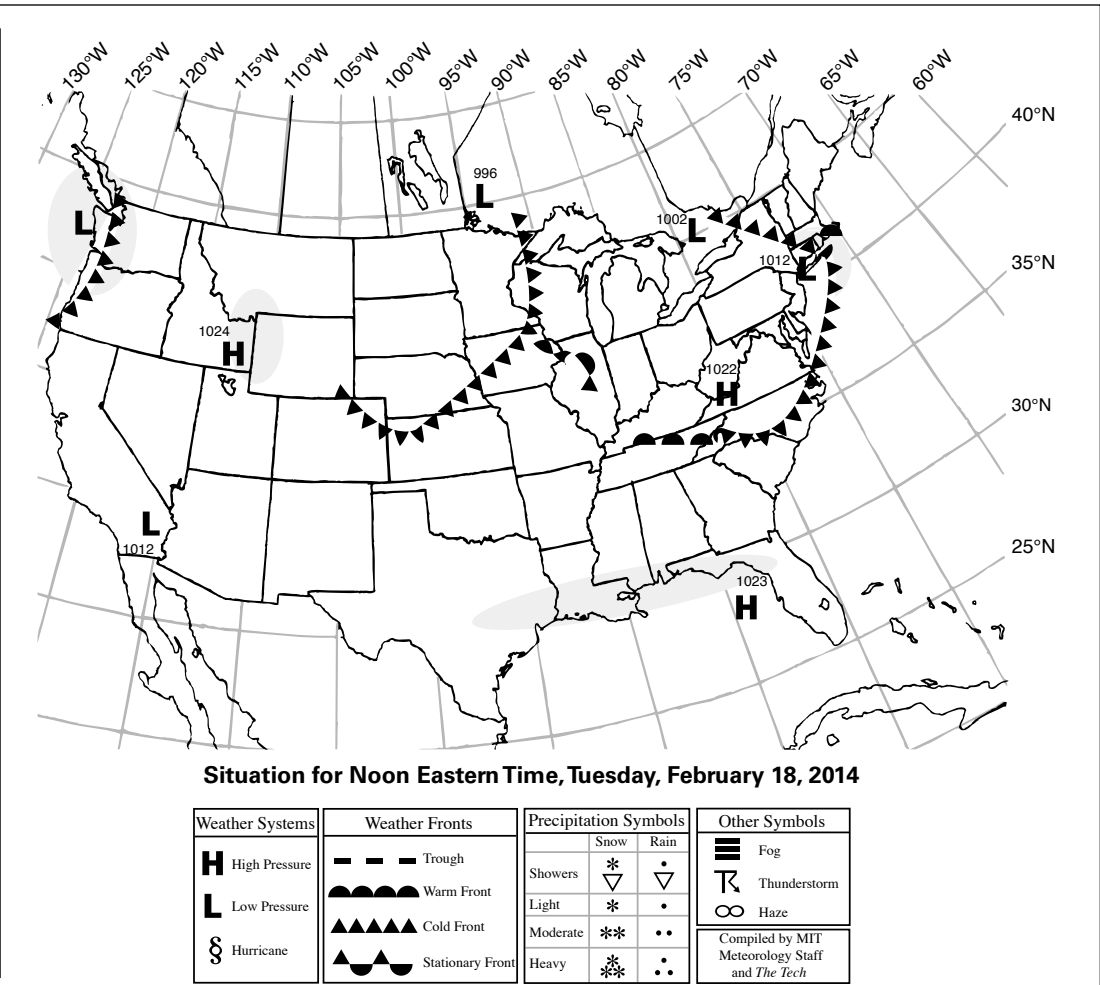
THE NEW YORK TIMES

Before Sharif announced the start of the peace talk process, Pakistani civil and military officials had been signaling for weeks that a military offensive was under preparation.

More snow, then warmer weather this week

afternoon and tonight Cambridge will experience one more snowstorm — the same one that has already caused thundersnow and ice throughout the Midwest. However, tomorrow the temperatures will rise into the 40s and remain above freezing for the rest of the week, with rain showers on Wednesday afternoon and Friday.

Today: Cloudy, with snow beginning in the afternoon. High around 37°F (3°C). SE winds at 10-15 mph.
Tonight: Snow tapering off around midnight. Low 24°F (-4°C). W winds around 10 mph.
Tomorrow: Cloudy with afternoon/evening rain showers. High around 44°F (7°C). Low around 27°F (-4°C). SW winds around 10 mph.
Thursday: Mostly sunny during the day, with rain showers possible overnight. High around 45°F (7°C). Low around 37°F (3°C). W winds around 10 mph.





News Editors: Tushar Kamath '16, Leon Lin '16, Kath Xu '16; **Associate News Editors:** Stephanie Holden '14, Jaya Narain '15; **Staff:** Sara Hess G, Isabella Wei '14, Adisa Kruayattidee '15, Janelle Mansfield '15, Xin Chen '17, Alexandra Delmore '17, Omar Ibarra '17, William Navarre '17; **Meteorologists:** Allison A. Wing G, Vince Agard '11, Roman Kowch '12, Shaena Berlin '13.

Editors: Esme Rhine '15, Will Conway '16, Anthony Yu '16; **Staff:** Ian M. Gorodisher '15, Tiffany A. Chen '17, Lutong Tracy Cheng '17, Xin He '17, Colleen Madlinger '17, Lenny Martinez '17, Aaron Rose '17, Krithika Swaminathan '17.

Editor: Jacob London '15; **Staff:** Keith A. Yost '08, Ryan Normandin '13, A.J. Edelman '14, Kristian Fennessy '14, Andy Liang '14, Sam Shames '14, Feras Saad '15, Aaron Hammond '17.

Editors: Austin Osborne '15, Ali C. Soylemezoglu '17; **Associate Editor:** Katie Bodner '15; **Staff:** Michael Gerhardt '12, Zach Hynes '12, Nicholas Myers '12, Carlos Greaves '13, Nidharshan Anandasivam '14, Sarah Weir '14, Shri Ganeshram '15, Felicia Hsu '15, Nick Lopez '15.

Editors: Denis Bozic '15, Chennah Heroor '15;
Staff: Ian Matts G, Edwina Portocarrero G,
Kristen Sunter G, Bogdan Fedeles PhD '09,
Roberto Perez-Franco PhD '10, Rex Lam '14, Alex
McCarthy '14, Angelique Nehmzow '14, Natthida
Wiwatwicha '14, Grace Young '14, Carolyn
Zhang '14, Karleigh Moore '16, Rachel Katz '17,
Attila Forruchi.

Editors: Tami Forrester '15, Christopher A. Maynor '15; **Staff:** Ekaterina Botchkina G, Kailiang Chen G, David Da He G, Arthur Petron G, Melissa Renée Schumacher G, Manohar Srikanth G, Scott Johnston '03, William Yee '10, Nicholas Chornay '12, Meng Heng Touch '12, Ho Yin Au '13, Akimitsu Hogge '13, Tiffany Ira Huang '13, Jaswanth Madhavan '13, Vanessa Trevino '13, Vivek Dasari '14, Jennifer Wang '14, Priya Garg '15, Jared L. Wong '15, Emily Kellison-Linn '16, Sarah Liu '16, Rachel E. Aviles '17, Skanda Koppula '17, Helen Nie '17, Henry Tareque '17, Andrew Swayze.

Editor: Kal Xu '15; **Associate Editor:** Deena Wang '14; **Staff:** Stephanie Lam G, Emily A. Moberg G, Davie Rolnick G, Victoria Young G, Jacqueline Durazo '14; **Cartoonists:** Letitia W. Li G, Amanda Aparicio '14, Paele Powell '15, Stephanie Su '15, Steve Sullivan '15, Erika S. Trent '15, Timothy Yang '15, Dohyun Lee '16.

Staff: Jacob Austin-Breneman '13, Laura E. Forte '15, Sylvan Tsai '15, Aidan Bevacqua '16, Gustavo H. Braga '16, Christina Curlette '16, Jake H. Gunter '16, Julia M. Longmate '16, Alyssa Napier '16, Madeline J. O'Grady '16, Liana Banuelos '17.

Advertising Manager: Nayeon Kim '16;
Operations Manager: Maria I. Fabre E. '16;
Staff: Joseph Maurer '12, Arturo Gonzalez '14,
 Rachel Agyemang '16, Marie E. Moudio '16,
 Michelle Chao '17, Casey Crownhart '17, Fiona
 Lam '17.

Director: Greg Steinbrecher G; **Staff:** Alex Chernyakhovsky '14, Alexander C. Bost.

Editor: Stephen Suen '15; **Staff:** Aaron L. Scheinberg G, David J. Bermejo '13, Aakanksha Sarda '14, Lourdes D. Bobbio '15, Clara Liu '15, Vivian Liu '15, Mario Martínez '15, Jake Barnwell '16, Sarah Coe '16, Emilio Pace '16.

Contributing Editor: Stan Gill '14; **Senior Editors:** Anne Cai '14, Deborah Chen '14, Sarah Ritter '14, Jessica L. Wass '14, Bruno B.F. Faviero '15.

Paul E. Schindler, Jr. '74, V. Michael Bove '83,
Barry S. Surman '84, Deborah A. Levinson '91,
Jonathan E.D. Richmond PhD '91, Karenne
Kaplan '93, Saul Blumenthal '98, Frank
Dabek '00, Satwicks Seshasai '01, Daniel Ryan
Bersak '02, Eric J. Cholaneril '02, Nathan
Collins SM '03, Tiffany Dohzen '06, Beckett
W. Sterner '06, Marissa Vogt '06, Andrew
T. Lukmann '07, Zachary Ozer '07, Austin
Chu '08, Michael McGraw-Herdge '08, Omar
Stephens '08, Marie Y. Thibault '08, Ricardo
Ramirez '09, Nick Semenovitch '09, Angeline
Wang '09, Quentin Smith '10, Jeff Guo '11, Ethan
A. Solomon '12, Connor Kirschbaum '13, Jessica
J. Pournian '13, Aislyn Schalck '13, B. D. Colen

Editors: Esme Rhine '15, Will Conway '16,
Anthony Yu '16.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer by The Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are \$50.00 per year (third class). **POSTMASTER:** Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. **TELEPHONE:** Editorial: (617) 253-1541. Business: (617) 258-8324. Facsimile: (617) 258-8226. *Advertising, subscription, and typesetting rates available.* Entire contents © **2014 The Tech.** Printed on recycled paper by Mass Web Printing Company.

Just because our government is in the wrong doesn't mean that its critics are always right

On Nov. 11, four MIT students, including Jeremy L. Rubin '16, won the “Innovation” award at the online Node Knockout programming competition for their project, Tidbit. Tidbit would enable websites to monetize traffic by utilizing consumers’ computers to mine Bitcoin while they browse the site (presumably in lieu of advertising). Tidbit consequently attracted considerable attention for its potential to disrupt advertising markets. But, recognizing potential legal issues, our peers declined to make the code operative, although it is available for download on their website.

Their caution and respect for the law was met with a New Jersey subpoena. On Dec. 4, Rubin was served with a mandate to provide source code and identification of every computer his code had caused to mine bitcoins. The subpoena intimated that he might have violated the New Jersey version of the Computer Fraud and Abuse Act (the federal law under which Aaron Swartz was prosecuted). Fortunately for Rubin, the Electronic Frontier Foundation (EFF) agreed to represent him, and if the facts are as Rubin's lawyer alleges, his prospects for jail time are slight.

Nonetheless, if the code did work and was used, why would anyone care that consumers' computers would have been used to mine bitcoins? Suppose, contrary to fact and intention, the code was deployed and allowed websites to covertly use a reasonable amount of processing power from consumers' computers. Would that justify jail time? More likely, suppose that you visited a website that conspicuously gave you the choice to either mine bitcoins or watch an ad (or even directly remuner-

ate the website). I cannot think of a reason for an informed consumer to object to this practice.

The Rubin subpoena is a manifestation of a broader series of disputes between the technologically innovative and our state apparatus. While the government's case against Tidbit is absurd, many of the same techno-libertarians who rightly support Rubin also go too far in their other condemnations of the government's attempts to regulate technology.

Consider the following examples. Our state is often captured by vested interests that oppose disruption. Many state governments have attempted to impose a sales tax on Amazon purchases, partly to protect politically powerful brick-and-mortar retailers. Libertarians, disliking how governments often squander taxes and incensed at state capture, rightly take exception.

But we have sales taxes to fund the operation of our government so that it can provide services and fulfill other obligations. True, those advocating Amazon pay sales tax are attempting to protect vested interests. But this would merely remove an unfair advantage — not paying taxes — not create an artificial disadvantage. Paying (sales) taxes is the fundamental obligation of being a citizen; the only reason Amazon customers might not pay sales taxes is an accident of federal law combined with a self-serving and anti-social desire to avoid paying taxes. And such a desire suggests a fundamental contempt for government and the rule of law.

Next, consider the money supply. Reasonable people can criticize excessive regulation of financial products (including over-enforced anti-money laundering statutes) that, among other things, protect the interchange fee that credit- and debit-card issuers make on every plastic transaction.

They can also complain about excessive inflation.

Bitcoin responds to these complaints by removing transaction fees (Bitcoin transactions are processed by miners), increasing anonymity, and pre-determining the money supply. But Bitcoin and its proponents often go too far. Recent arrests on charges related to money-laundering regulations suggest that many techno-libertarians don't understand that money laundering is a crime that facilitates actions like terrorism, embezzlement, and illegal trading with Iran.

Additionally, the Bitcoin money supply is not just pre-determined, it is capped. The result, as any macroeconomist would tell you, is that the currency is deflationary. This means that, if it's truly used as a currency, the value of one bitcoin would (and does) go up over time. Consequently anyone with bitcoins has no desire to spend them. They can be sold to someone who wants to buy bitcoins later and at a higher price, and anything priced in bitcoins is going to see its price fall over time. So why would a Bitcoin user actually use bitcoins in commerce, when the price of a good will be lower tomorrow? Popular or not, Bitcoin and its proponents sometimes overreact to our state's inadequacies.

It's important not to lose sight of the fact that, in the words of former federal prosecutor Ken White, "idiocy is not a zero-sum game." In other words, both sides can be wrong, and just because our government is in the wrong doesn't mean that their critics are always right. Millennials are, for good reason, hardly inclined to support our governments' actions — hence techno-libertarian ferment. But even if the state might be a hassle, the first thing we do, let's not kill all the lawyers.



An article last Friday about calls for MIT to take a stand in Tidbit's legal battle implied that Professor Hal Abelson PhD '73 wrote the "petition" to President L. Rafael Reif. In fact, the authors are Abelson, Ethan Zuckerman, and Nathan Matias, and they call it an "open letter." The article also misstated Matias's name.

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.

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

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

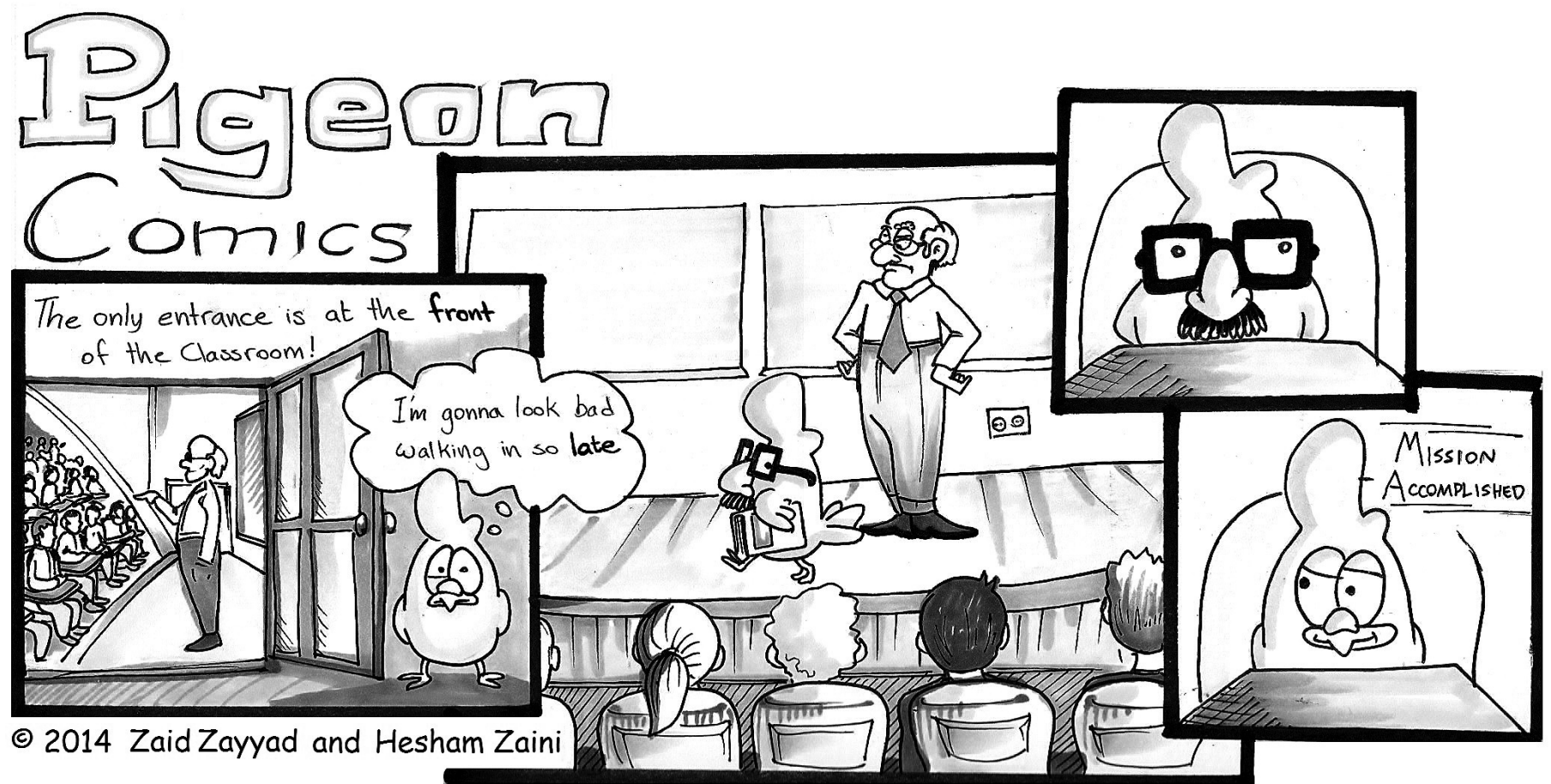
Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority.

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

Guest columns are opinion articles submitted by members of the MIT or local community.

The Tech's telephone number is (617) 253-1541. Email is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@tech.mit.edu, and it will be directed to the appropriate person. You can reach the editor in chief by emailing eic@tech.mit.edu. Please send press releases, requests for coverage, and information about errors that call for correction to news@tech.mit.edu. Letters to the editor should be sent to letters@tech.mit.edu. *The Tech* can be found on the World Wide Web at <http://tech.mit.edu>.

FUN



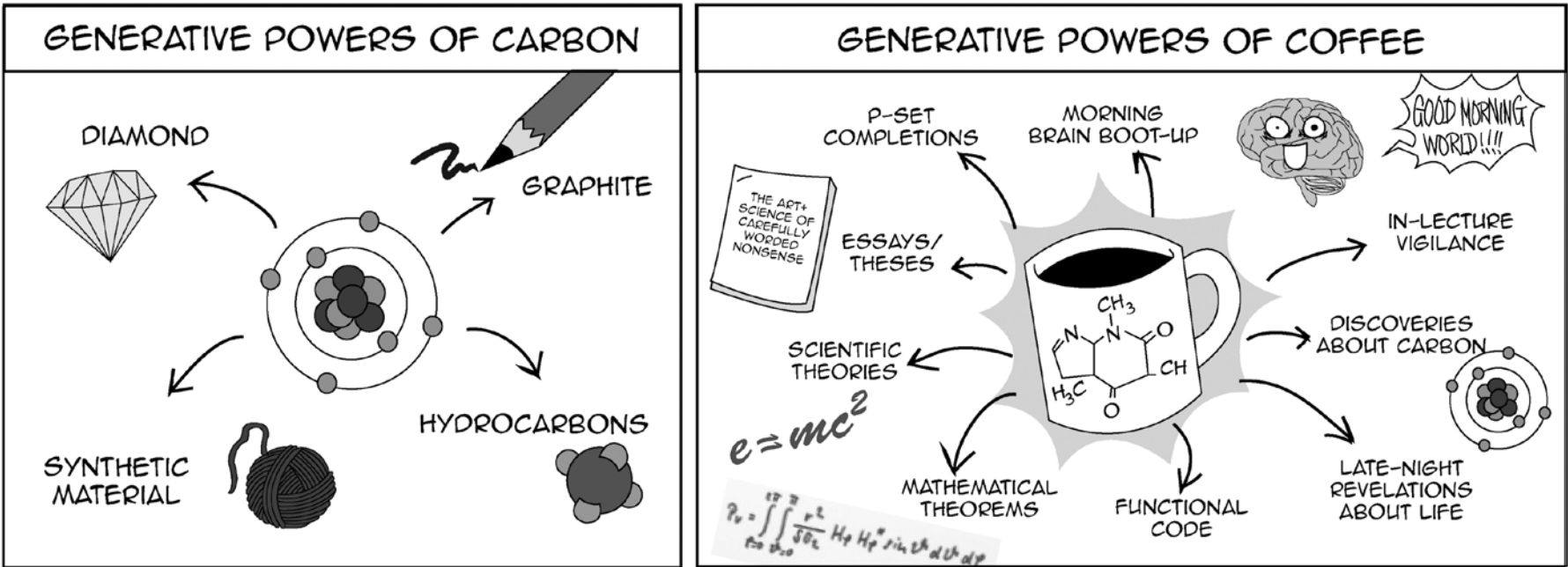
Solutions, page 12

96x		20x			6x
	15x			24x	
	3x		3-		5
30x		20x		2x	
6÷			13+		
	8+		15x		

20+				6x	3
6x		16+			2
	12x			5+	
4		6x			30x
4-		36x		8x	
15x			1		4

BY ERIKA TRENT

GENERATIVE POWERS OF COFFEE



Sudoku

Solution, page 12



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

Solution, page 12

43 Yellowish-buff color

- 1 Not many people will get it
 - 11 __ basilica (forearm drainer)
 - 15 Prime
 - 16 Outlook changer, perhaps
 - 17 Scorch
 - 18 Not clean
 - 19 Cabinetry options
 - 20 Nouvelle-Calédonie et al.
 - 21 #5 on AFI's Greatest Female Stars list
 - 22 Protective layer
 - 24 Long-haired 57 Down
 - 26 Like kites
 - 30 "Breakfast never tasted this good!" sloganeer
 - 31 Last name of Boy George
 - 32 They may pop up in the morning
 - 34 Sans sanguinity
 - 35 Old chestnuts
 - 36 Thought-provoking
 - 37 Put down
 - 38 Burgundy mate
 - 39 Squat
 - 40 Literally, "numbness"
 - 41 Marks in Hawaiian
 - 45 Stir up
 - 47 Make sure
 - 48 Sampler selection
 - 49 It may result in an ejection
 - 51 Haunted setting of a L'Amour novel
 - 55 Gala
 - 56 Waiting for Godot descriptor
 - 58 Not volatile
 - 59 One of Wisconsin's state symbols
 - 60 Old __
 - 61 "Done!"
 - 10 About 624 gigaelectronvolts
 - 11 First Song of the Year Grammy winner (1958)
 - 12 Option for a wok
 - 13 Option for a walk
 - 14 "Blah blah blah"
 - 21 Fools
 - 23 With 39 Down, Viking destination
 - 25 Sound marker
 - 26 "There's more, of course"
 - 27 Sistine Chapel depictions
 - 28 Building blocks of electronic circuits
 - 29 Arcanum
 - 33 Dental concern
 - 36 Primeval data processor
 - 37 Altoona park with the world's oldest-operating roller coaster
 - 39 See 23 Down
 - 40 One way to travel: Abbr.
 - 42 Trustee cousin
 - 44 Dream
 - 46 Courses that may be

1	2	3	4	5	6	7	8	9	10		11	12	13	14
15											16			
17											18			
19					20					21				
			22	23			24		25					
26	27	28				29		30						
31						32	33					34		
35					36						37			
38				39						40				
41			42					43	44					
45							46		47					
48						49		50			51	52	53	54
55					56					57				
58					59									
60					61									

- | | |
|----------------------------|-------------------------------|
| graded | 54 Rocked, so to speak |
| 50 Timberlands alternative | 56 Motor starter |
| 52 Croupier in Casablanca | 57 One might feel the need to |
| 53 Set of pages | knead |

MakeMIT hacks judged on functionality, creativity

Guitar-playing robot snags first place and \$2000 in prize money, GoPro DataPac wins second

MakeMIT, from Page 1

best represented course at MakeMIT, the major of 46 percent of the hackers. Another 36 percent were from EECS, with the remaining participants coming from a variety of majors and skill backgrounds.

While a number of the big college hackathons provide support for hardware, it's often tacked on as a sideshow to the software projects. Skyler E. Adams '16, one of Steinhardt's teammates, recalled his experience working on a hardware project during HackMIT. "Doing something hardware-oriented costs money, and if you order materials it means your idea is somewhat premeditated. [My group] and I built these motor systems from spare parts we had lying around, but the people that looked at our project thought we had started much earlier."

ten people try to speak for 200 people is not very easy. It's a huge risk."

The event organizers consulted with professors and makers to create a comprehensive list of materials, but some teams were unsatisfied. "I think next time they should get some input on what materials to stock," said Adams. His team built a physical arcade-style version of the late mobile game Flappy Bird, featuring a 3D-printed bird avoiding pipes on a scrolling LED matrix. They went in expecting individually addressable LED strips, but ended up having to hand-solder the array themselves. At a hackathon — where time is the most valuable resource — this was a huge productivity sink for the team.

Another bottleneck came when teams were allocated only a limited amount of material to laser cut. Many teams opted to 3D print their larger parts instead, which "took

hosting an overnight event. "If we have a drilling or Dremel section, having hackers that are sleepy and tired operating those is obviously a risk to safety," said Rachel S. Wang '16, one of MakeMIT's co-directors. "We really did try to push for an overnight hackathon, but [since this was] year one, we saw that it wasn't feasible."

At the end of Saturday's event, teams presented a diverse range of projects, ranging from Wakey Wakey, a silent alarm clock, to ShotBot, a robotic bartender. Other projects included a relay baton that tracks split times based on handoffs and a oscilloscope probe built on a budget of under \$50. One team, which included one of the developers of Tidbit, created another Bitcoin-related hack, exposing a design flaw in the official Bitcoin wallet.

place in Saturday's competition.

Elizabeth Zhang '16, one of the hackers who built LexoGlove, appreciated the fact that the hackathon was split over two days. "I don't really have the stamina for [an overnight event.] I like sunlight and fresh air." Her teammate Julia C. Canning '16 agreed, saying that the extra week gave the team "time to refine [their] design more and time to order materials."

motor.

"At this point, it's a bit less competitive," noted Doan. "Everyone's kind of made it, and now it's more of a we-want-to-make-this-work kind of thing." And the same can also be said of MakeMIT itself — despite the current trend among hackathons to "grow big," scaling is far more difficult for a hardware-based event, where materials are paramount.

At the end of Saturday's event, MakeMIT teams presented a diverse range of projects, ranging from Wakey Wakey, a silent alarm clock, to ShotBot, a robotic bartender.

At the hackathon, all tools and materials were provided, including 3D printers, Kinects, microcontrollers, sensors and input mechanisms, motors and actuators, and more.

At MakeMIT, all tools and materials were provided, including 3D printers, Kinect sensors, microcontrollers, sensors and input mechanisms, motors and actuators, and more. In order to level the playing field, no outside materials were allowed. "We spent a lot of time just thinking, what is the perfect amount of materials? What materials do we get to allow teams to do everything they want to without costing too much? Having a team of

ages and almost DoS'd them," said Adams, comparing the lines to a denial-of-service attack. Some projects had to be cut due to insufficient time for 3D printing and laser cutting near the end of the hackathon.

In fact, time was even more valuable than usual for Saturday's hackers. Typically, hackathons range from 24 to 48 hours in length, but MakeMIT was instead broken up into two one-day phases, due in part to safety concerns related to

These hacks were judged based on three criteria — functionality (how successful they were that day), potential for success (how much further the project could be developed), and hack factor (resourcefulness and creativity). Only the top ten teams from phase one are being invited back next weekend for the second round of MakeMIT, where they will further iterate upon their prototypes.

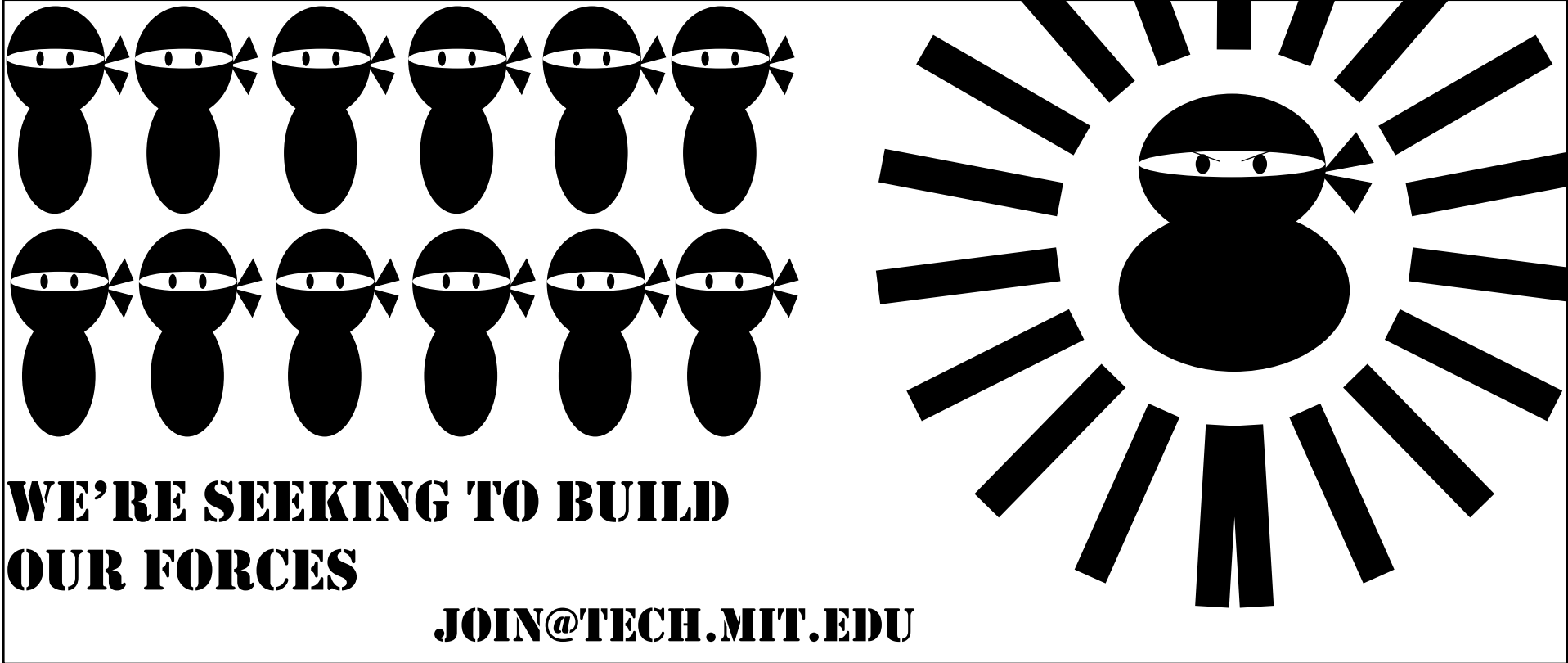
Taking first place and \$2000 in prize money was a guitar-playing robot capable of both strumming and fretting. In second place was GoPro DataPac, an attachment for GoPro cameras that records data about action sports, such as velocity, altitude, rotation, and acceleration. LexoGlove, an exoskeleton glove that teaches the deaf-blind how to perform American Sign Language fingerings, took third

The teams advancing to phase two of MakeMIT now have an opportunity to request a bill of materials. "Obviously, now they have more of a sense of what materials they want," said Wang, "so we're going to get those for them so we can be prepared." Additionally, teams will have access to a machine shop and mentors, giving them a chance to develop their prototypes into more complete products.

LexoGlove currently uses a servo-based underactuated mechanism to pull the wearer's fingers in and out to show them the sign corresponding to a particular word. This approach was sufficient for a proof of concept, but servos can be bulky. Before next Saturday, Zhang, Canning, and their third teammate, Edwin H. Zhang '16, will think through the next iteration to make it thinner and lighter, perhaps by switching to a linear

Unlike HackMIT, MakeMIT wasn't trying to reach hackers beyond the Boston area. Nevertheless, 30 percent of participants were from outside MIT, showing a growing demand for hardware-based opportunities. "I definitely want MIT and other schools to do more hardware hackathons," said Zhang. "I keep telling all my friends who do software, there's no virtual without the physical."

Despite a few logistical hiccups, the feedback from sponsors and participants was positive. In the near future, MakeMIT may accept a few more teams, but the organizers don't want to expand at the cost of quality. Instead, they believe MakeMIT can inspire other schools to organize hardware hackathons. "Our hope was that MIT can lead the charge on this thing and show that it is possible. Hopefully, across the country, we'll start seeing more of it."





Edgardo Farias '15 inspects a board of LEDs, which he plans to make into a physical game of Flappy Bird. SARAH LIU—THE TECH

MakeMIT

MIT undergrads hack their way through sixteen hours of designing, coding, 3D printing, and more.



A student uses a MakerBot Replicator 2 to fabricate parts for her project. MakerBot, a company that specializes in desktop 3D printing and scanning, was one of several sponsors of the hackathon. SARAH LIU—THE TECH



Hans V. Susilo '14 prepares to solder wire for his project. SARAH LIU—THE TECH



A student discusses his design with a representative from MakerBot. SARAH LIU—THE TECH



Ryan J. Fish '15 discusses how to mount a knife to a linear actuator in order to make a banana slicer. SARAH LIU—THE TECH

RESTAURANT REVIEW

Corsets and Curds

Stoddard’s Fine Food and Ale delivers a mostly excellent meal just down the street from the Common

By Daniel Kolodrubetz

Gastropubs are on-trend right now, and Stoddard’s Fine Food and Ale near Downtown Crossing has certainly embraced the spirit of that movement. With a menu that features comfort food, an extensive cocktail list, and (unsurprisingly) ale, this quirky restaurant is a solid choice if you are near the Common. The first thing you notice is the building itself, which is narrow (as are so many restaurants downtown) but which features two floors of bar space. Stoddard’s proudly embraces its history as the former

home of a corset factory, decorating the walls with some samples straight out of the 19th century. The bar itself is lively and welcoming. You definitely get the feeling as you walk in that this is a restaurant that wants you to stick around, but anyone looking for a somewhat subdued dinner may want to turn around and walk right back out the door. The menu at Stoddard’s has enough options to keep most people happy, though vegetarians will find their options sorely lacking. The appetizers list, which takes up a full half of the overall offerings, has per-

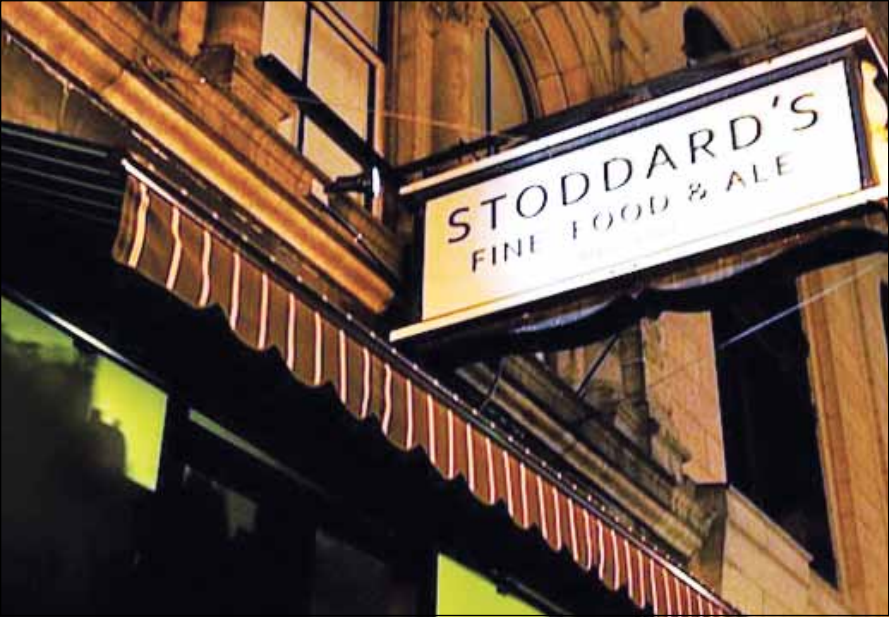
haps the most interesting options. After deliberating for quite some time, I decided that the fondue would have to wait for another visit and instead chose the poutine. This was possibly the best decision I’ve ever made. For a reasonable \$10, our table got a giant plate of fries smothered in duck fat gravy (once again, apologies to vegetarians) and cheese curds. Now, I’m not Canadian, but if they have poutine this good readily available, I don’t understand how they aren’t all several tons overweight. After the strong start to the meal, I was ready to be impressed by the entrees.

Vegetarians will find the options on Stoddard’s menu sorely lacking.

The first main course that I sampled was the braised short rib, which unfortunately did not live up to the high expectations set by my cheesy appetizer. While the pommes anna that came on the side had a perfect crunch on the outside and tasted amazing (though it is pretty hard to mess up potatoes and butter), the short rib itself disappointed. Though cooked very well, the meat was too salty and couldn’t even be the star of its own dish. Fortunately, this was the only let-down of the night. The final dish that I sampled was rabbit. But of course, such an interesting gastropub couldn’t simply serve rabbit as is. So they took rabbit meat, stuffed it with rabbit mousse and wrapped the whole sucker in bacon. This dish managed two feats that are

Stoddard’s Fine Food and Ale
48 Temple Place, Boston
Tuesday & Wednesday: 4:00 p.m. – 1:00 a.m.
Thursday – Saturday: 11:30 a.m. – 2:00 a.m.
Sunday: 10:30 a.m. – 12:00 a.m.

extremely rare — it had a description that was impossible to pass over, while also living up to that description. The bacon had exactly the right amount of crunch and held together a combination of rabbit a mousse that was truly delectable. The various textures coupled extremely well with the different meat flavors to make a dish that truly ended the night on a high note. Stoddard’s is a very solid bet if you are looking for a slightly upscale gastropub. The service was quite attentive, and the atmosphere made for a fun dinner. With their emphasis on interesting meat options, carnivores will want to return several times just to try the various choices, both novel preparations and old favorites. Unfortunately, not everything on the menu is of the same quality. In the end, I would definitely recommend renaming this restaurant Stoddard’s Very-Good-But-Not-Quite-Amazing Food and Ale, but I think the signage might be too expensive.



COURTESY OF STODDARD'S
Stoddard’s Fine Food and Ale, a gastropub located in downtown Boston, offers a delectable selection of dishes for carnivores.

T-SHIRTS

...a necessary fact of College!



- Deal direct...no middlemen
- Fast turnaround
- Award winning & computer literate art dept.
- Free delivery & reasonable pricing *Cambridge & Boston Area
- Full color t-shirts and coffee mugs - no minimum!
- Locally owned & operated in Somerville, MA.
- ...and best of all - no boring lectures



part of R.A.W. (Rinnigade Art Works)

ph - 617-625-3335

email - info@qrsts.com

www.qrsts.com

serving the M.I.T. Community since 1989

MIT Anthropology, Foreign Languages and Literatures, the DeFlorez Fund and Women's and Gender Studies present...

"Alien Citizen: An Earth Odyssey "

Written and Performed by Elizabeth Liang



Friday – February 21, 2014
7PM

Location: 6-120

Who are you when you're from everywhere and nowhere?

Alien Citizen: An Earth Odyssey is a funny and poignant one-woman show about growing up as a dual citizen of mixed heritage in Central America, North Africa, the Middle East, and New England.

Elizabeth Liang, like President Obama, is a Third Culture Kid or a TCK. Third Culture Kids are the children of international business people, global educators, diplomats, missionaries, and the military—anyone whose family has relocated overseas because of a job placement. Liang weaves humorous stories about growing up as an Alien Citizen abroad with American commercial jingles providing her soundtrack through language confusion, first love, culture shock, Clark Gable, and sandstorms...Our protagonist deals with the decisions every global nomad has to make repeatedly: to adapt or to simply cope; to build a bridge or to just tolerate. From being a Guatemalan-American teen in North Africa to attending a women's college in the USA, Alien Citizen reflects her experience that neither one was necessarily easier than the other. She realizes that girls across the world are growing into womanhood in environments that can be hostile to females (including the USA). How does a young girl cope as a border/culture/language/religion straddler in country after country that feels "other" to her when she is the "other?" Where is the line between respecting others and betraying yourself?

Free and open to the public.
Refreshments at 6PM, Performance at 7PM



EXHIBIT REVIEW

Forward/Play/Pause

The LIST’s new exhibit attempts to compare the science and art of color through abstract paintings

By Daniel Kolodrubetz

Sonia Almeida, a local artist originally hailing from Portugal, created the works displayed in the LIST Visual Arts Center to examine the contrast between how we experience color and our scientific understanding of the theories of color (though I’m not sure I would have figured that out without reading the wall text in the exhibit). This theme was expressed with varying complexity throughout the exhibit, as some of the paintings featured simple gradients while others used wide contrasts of hues and forms to speak to the interplay between art and science. While some of the compositions successfully questioned the separation between my understanding and experience of color, a few of the works missed this mark.

One of the highlights of my visit was the set of sketchbooks quietly displayed along one of the walls. More than any other work, these delved into how art and science speak to each other by giving a glimpse of the artist’s method. I could see some of the remnants of trial and error in her preliminary blueprints for pieces, reminding me of the scientific process. In particular, these sketchbooks gave insight into the various ways Almeida considered shape and color when constructing a painting, which helped

reinforce the idea that there are contrasting ways to approach these concepts.

A couple of paintings did not deliver on that promise. Two of the centerpieces of the exhibition, “Dismantling Pi” and “Stacking Pi,” were particularly unsatisfying. By including references to the famous mathematical symbol in these works, it feels like Almeida is forcing science into the art rather than juxtaposing the two concepts naturally. These two works definitely felt more random and disjoint than the other pieces in the collection and simply took the focus away from the more effective pieces.

One of the successes was the largest painting in the hall, entitled “Red Signal” (pictured). While it invokes the idea of infinity with a Mobius-like band, the idea is subtle enough that it does not take away from my enjoyment of the overall work. Additionally, the subtle battle in the background of the piece between two primary colors serves the theme of the exhibit well while also providing a nice contrast with the stark shapes that dominate the foreground. All in all, this is a painting that has the right amount of complexity, and it kept me interested without becoming overwhelming.

While not a particularly large exhibit, occupying only a couple of rooms in the gallery, this selection features plenty of vi-

sually stimulating works. While all of the works are oil paintings on plywood, they exhibit a range of colors and styles. The only downside is that this range comes with a similar variety of success. Still, it is definitely worth walking across Ames to check out this addition to the LIST Collection before it is too late.

Forward/Play/Pause
By Sonia Almeida
LIST Visual Art Center
Now on Display



COURTESY OF THE ARTIST AND SIMONE SUBAL GALLERY, NEW YORK

Sonia Almeida, Red Signal, 2013; Oil on marine plywood, red LEDs; 60 x 90 in.



We are The Tech

We print MIT’s only newspaper twice per week,
and we have fun doing it.

Want to be a part of this?

Email join@tech.mit.edu

New legal resource for student creators

Reif confirms Institute support of Rubin after letter urges action

Tidbit, from Page 1

In a statement provided to *The Boston Globe* and *The Tech*, Chancellor Cindy Barnhart PhD '88 said of the proposal, "We are excited about the potential for such a resource to serve our student innovators, but we are just starting to imagine how it will take shape to serve them best. Provost Marty Schmidt PhD '88, General Counsel Gregory R. Morgan and I will begin developing these ideas immediately. It will be important to build this thoughtfully and get the structure right, and we are eager to move on this quickly."

Abelson said in an interview with *The Boston Globe* that such a program would have to be "very carefully designed" to avoid conflicts of interest.

In both the letter and two interviews with *The Tech*, Abelson clarified his view that any action MIT takes should focus on the long-term preservation of innovation freedom. He described his perception of the MIT community's reaction: "When you're confronted by something like that, your first reaction is 'Hey, they are students and are getting hammered.'" He maintained, however, that any official action on MIT's part would have to be on the basis of protecting its long-term interests in innovation.

Hanni Fakhoury, Rubin's *pro bono* legal representation with the Electronic Frontier Foundation (EFF), said in an email to *The Tech* that they are encouraged by Reif's message. "It's a good first step and we're optimistic they'll follow through on their promises of offering support to the students. What that will specifically look like is something we're thinking about right now."

"We've been in touch with the MIT administration and will continue to communicate about how they can help the specific students affiliated with Tidbit, but also how they can help other students in the future who receive similar re-

quests," said Fakhoury.

While Abelson indicated that he had not been in contact with the members of the Tidbit team, Fakhoury said, "We're grateful for all the hard work Hal has put in towards getting this on the MIT administration's radar." He noted that concern for both the students in this specific case and academic freedom in general were important to the response, adding, "[W]e're focused on harnessing that concern into specific action."

Referring to the broader implications of the case, Fakhoury stated, "Given MIT's rich history and its reputation as a place of innovation, it would seem that the university would have a significant interest in allowing its students and faculty to feel that they have the freedom to research and tinker without the fear of overhanded government action."

Abelson shared a similar view, saying, "There is an MIT issue, and it's way, way bigger than an MIT issue. It's an issue about the Internet." He said that the overreach of local authorities has "been a threat to the growth of the Internet, because you're subject to any jurisdiction," but that the Internet community pushes back in such cases.

Abelson said the authors sent a draft of the letter to Reif, Barnhart, and Morgan last Thursday before soliciting signatures throughout the MIT community. Abelson said that as far as he knew, the top administration was not aware of the Tidbit subpoena before the letter.

MIT's Student Information Processing Board (SIPB) late last week also emailed multiple MIT lists soliciting signatures for Abelson's letter and providing a template for contacting Reif's office regarding the matter.

While the instructions for signing the letter indicated that it would be sent to Reif on Monday, Abelson said, "I haven't sent it yet. I think the plan is to send it to them [Tuesday]." Since Reif is out of town, Abelson expected Ethan Zuckerman to deliver it to Barnhart.

STUDENTS!

With changes occurring so rapidly in the digital world, in the delivery of course materials, internet competition and the move away from physical books, now is a great time to be a Coop director. You can help the Coop get into the "digital age."

For more information and to apply please visit www.thecoop.com.

Get Involved!

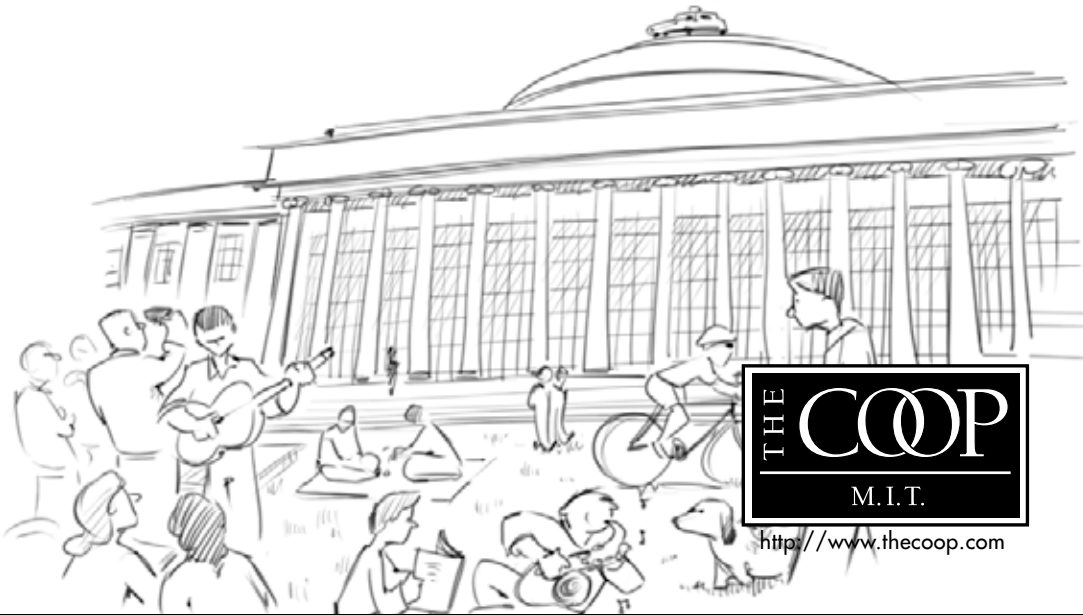
You can make a difference.

Get Experience!

Real issues. Real decisions. Real board experience.

Get Paid!

Receive a stipend for your time and commitment.



SPERM DONORS

Earn up to **\$1200** per month

Invest minimal time

Make a real difference in the lives of families

Receive free health and genetic screenings

APPLY ONLINE:

SPERMBANK.com

- convenient Cambridge location

A random sampling of people you'll meet during a typical dinner at The Tech:

Derek, Course 1	Austin, Course 8	Chris, Course 16
Sarah, Course 2	Ian, Course 9	Anne, Course 17
Annia, Course 3	Joyce, Course 10	Leon, Course 18
Dohyun, Course 4	Sara, Course 11	Jack, Course 19
Elijah, Course 5	Vince, Course 12	Stan, Course 20
Deborah, Course 6	Anthony, Course 14	Stephen, 21/CMS
Kali, Course 7	Maggie, Course 15	Keith, Course 22

Meet your new pset support group

The Tech
Established 1881
join@tech.mit.edu
W20-483, 617-253-1541

What's better than having money to spend?
Having **more** money to spend!



looped in™

to learn more visit:
www.areyoulooped.in/load10get5

Regulators and hackers put Bitcoin to the test

Worries cause Bitcoin prices to swing, bigger declines expected from high of \$1,200

By Nathaniel Popper
THE NEW YORK TIMES

Bitcoin is facing significant growing pains as it struggles to move beyond a stormy adolescence.

After months of hype and hysteria that have driven up its price at a dizzying pace, Bitcoin recently encountered several hurdles that are likely to determine whether it makes it out of its early speculative phase to become a currency that people actually use, is supplanted by a rival or falls apart altogether.

The most fundamental threat was a bug in some basic software that determines how bitcoins are moved between digital accounts. That forced several of the largest Bitcoin exchanges to shut down for most of last week and raised questions about the sturdiness of the programming underlying the currency.

At the same time, the system proved vulnerable to a hacking

attack, creating doubts about the strength of the network's security. Regulators also indicated last week that they were moving ahead with new rules for virtual currencies, leading to some fears that burdensome laws could halt Bitcoin in its tracks.

One threat was a bug in the software that determines how bitcoins are transferred.

These worries sent the price of Bitcoin swinging between a high of about \$700 Feb. 10 and a low of \$530 on Friday, with some expecting even bigger declines. The current prices are down from highs of about \$1,200 in December.

"We are at this inflection point where the hard questions are being asked and will hopefully soon be answered," Benjamin M. Lawskey,

New York State's top financial regulator, said in an interview.

Bitcoin has already survived several bouts of volatility that were even wilder than the one last week. But during those crises, nearly everyone involved was a speculator and the currency was much further from real-world success. Now that Silicon Valley and Wall Street have begun to buy in, and everyday uses for Bitcoin are becoming more common, the stakes are much higher.

In the same week that Bitcoin was besieged by hackers, Overstock.com, one of the largest companies to accept Bitcoin as payment, said it was nearing \$1 million in purchases made with the currency.

Lawskey has been leading efforts to write regulations for virtual currencies, in part to improve confidence in the system. At an all-day event last Tuesday at the New America Foundation, a nonprofit public policy institute, Lawskey said

he hoped to "put forward, during the course of 2014, a proposed regulatory framework for virtual currency firms operating in New York."

The same day, Canada's finance minister, Jim Flaherty, announced his plan to create national rules for what has been a largely lawless space.

Everyday uses for Bitcoin are becoming more common.

These efforts are more encouraging for Bitcoin's future than Russia's recent decision to declare virtual currencies illegal. But the Bitcoin Financial Association started a petition to Lawskey titled "Please Do Not Regulate Bitcoin," in which it argued that Bitcoin was too young and vulnerable to be able to survive significant regulations.

Other supporters, however, have recently been pressing for closer cooperation with both regulators and banks.

One of the most contentious efforts by some Bitcoin entrepreneurs has been a proposal to tag the digital coins to make it possible to determine if a particular coin had been used for illegal activities.

Such a system would make banks more comfortable in handling Bitcoin transactions. But the effort has faced intense opposition from early Bitcoin adopters who were drawn to the virtual currency because it allowed them to avoid scrutiny from governments and banks.

This is only one of the disputes dividing the community of Bitcoin supporters. The winners will determine whether the virtual currency will simply be absorbed into the existing financial system or whether it will remain a new tool

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

AWARDS
CONVOCATION

Nominations are now open!

Deadline is March 14

awards.mit.edu

#mitawards



The MIT community celebrating the best of the MIT community

THE GREAT BOSTON

ChiliBowl

CHILI & BEER
COOK-OFF & TASTING

MARCH 8
2014

FOR TICKETS, VISIT:
WWW.GREATCHILIBOWL.COM

21+ 100 Technology Square,
Cambridge, MA



MIT students, enter promo code: "MIT14"
for \$5 off ticket price at www.greatchilibowl.com

All proceeds benefit ALS research at the ALS Therapy Development Institute

Solution to Techdoku I
from page 5

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

Solution to Techdoku II
from page 5

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

Solution to Sudoku
from page 6

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

Solution to Crossword
from page 6

INSIDE	JOKES	VENA
TOPCAL	LIBER	OMEN
SPEED	ALONG	LEWD
YEW	ILES	GARBO
HEN	SIBERIAN	
TALONED	NUTELLA	
ODOWD	EGGOS	WAN
NAGS	MEATY	LAND
AMI	ZIPPO	NARCO
MACRONS	NANKEEN	
ENGENDER	SEE	
ADAGE	COUP	MESA
FETE	TRAGICOMIC	
EVEN	REDGRANITE	
WEST	ITSSETTLED	

Meet your fellow tech staff.
(aka, your new 3 a.m. pset support group)


Established 1881

join@tech.mit.edu
W20-483, 617-253-1541

Administration lifts ban on CPW events after 1 a.m.

Events past 1 a.m. will be listed separately in the booklet and may require justification

CPW, from Page 1

than 1 a.m. (Exceptions are made for events such as HackMIT and Mystery Hunt).

It is currently unknown who or how many students will serve on the committee. In an interview with *The Tech*, UA Vice President Devin T. Cornish '14 estimated that a few students — most likely student leaders — will be the first student members on the committee. After that, the UA plans to go through the standard UA Nomination Board procedure for placing students on Institute Committees.

According to Barnhart, the agreed-upon goals of last week's meetings were to "protect the mental and physical well-being of pre-frosh and students, and to bring the CPW program into alignment with Institute policy and with what happens during the school year."

"Sid and Devin pointed out that late night, wind-down events

are key enablers of highly valued, small group and one-on-one conversations," she said. "We agreed... so, to achieve our goals and also provide the opportunity for wind down events and conversations, we thought that the official program could be complemented by an 'After Hours' program with specialized events for those who are not ready to call it a day at 1 a.m."

Cornish explained that food, game, and movie events would fall under the wind-down category.

Cornish explained that food, game, and movie events would fall under the wind-down category and would not need a justification when they are submitted. However, more high-energy events such as Capture the Flag and Firehose would

need a justification as to why they would have to occur after 1 a.m. At the UA Council Meeting last night, Rao said that a suitable reason for holding Firehose late at night could be the difficulty of scheduling such a large-scale event during the day when many official Institute events occur.

"We felt that there was a lot of dissatisfaction [with the rule], and that this was an issue that united most students," said Rao. "During our time as UA President and Vice President, we haven't seen an issue that has had as much widespread support from all constituencies and student governments as this specific issue. We believe it's because late-night culture is something that is emblematic to MIT and students really value and want to display that during CPW."

Originally, DormCon and the UA were planning on implementing an event submission moratorium to the CPW booklet until a compro-

mise with the administration could be reached.

"We kind of felt in our gut that with enough time and with enough discourse that we could have some progress on this rule," described Cornish. "And so, we really wanted to make sure that we had that leverage and that students would be able to take advantage of the time where we were still having these talks simply to hold off on their events. That's where the spirit of some sort of event moratorium came about."

Originally, students were planning on implementing an event submission moratorium.

As part of the consensus, post-1 a.m. events will be printed in a separate section in the booklet, perhaps under a heading such as "After

Hours." But all events will still be listed chronologically so as not to confuse the prefrosh.

"We wanted to create something that highlights that this is a transition of CPW. You're going from Day CPW to CPW After Hours," explained Cornish. "That's why it's going to have its own section in the CPW booklet and its formatting will be different. It does two things. In one aspect, it doesn't compel pre-frosh to go to events past 1 a.m. subtly, but it also doesn't create a barrier for those prefrosh who are interested in pursuing events that will happen after 1 a.m."

He added, "Our goal is that in manifest, CPW should not feel any different from past years. Strategically, students can enjoy the same amount of excitement throughout the day but have a dedicated period of wind down that I think we should encourage all MIT students to have towards the later portion of the evening."

Boston's Red Sox embraces change

Jon Lester hopes for Sox contract extension, Ryan Dempster leaves

By Harvey Araton
THE NEW YORK TIMES

FORT MYERS, Fla. — In hoping for an extension of a contract that will expire after the 2014 season, Jon Lester has said he would be willing to give the Boston Red Sox a hometown discount because he loves playing in Boston and has an aversion to change.

"I can deal with three or four new teammates, but not a whole new squad of them," Lester, the southpaw ace, said Monday at the Red Sox's training base.

Change of many varieties is an unavoidable part of the team-sports equation. Even after the bearded wonders of Boston rolled to the franchise's third World Series victory in a decade, the center fielder and leadoff hitter Jacoby Ellsbury signed as a free agent with the hated New York Yankees. The power-hitting catcher Jarrod Saltalamacchia went to Miami. Shortstop Stephen Drew is without a contract, and Boston's mandatory reporting date for position players is Wednesday.

Sunday brought a stranger kind of departure for the reconvening Red Sox when pitcher Ryan Dempster announced he would forgo the 2014 season and his \$13.2 million salary. The resulting headline was of the man-bites-dog variety, an athlete leaving extraordinary money on the table because, as Dempster explained, he wasn't physically up to playing and wanted to spend more time with his family.

"Obviously, people are going to say, 'How can you walk away from that much money?'" Lester said. "But when he told me what he was doing, I said, 'Congratulations.' He's been doing this for 20 years, and how many jobs are there where you can retire at 37 and not have to worry for the rest of your life?"

With a career 132-133 won-lost record, Dempster had already earned almost \$90 million across 16 major league seasons, just one with the Red Sox. He still choked up when, as he finished speaking to reporters, several attending teammates applauded. But soon after the emotions came the analytics, leading to the big-picture consensus that the Red Sox were suddenly in better position to defend their title.

"It's part of the business that when one of your guys leaves you've got to fill the hole," Dustin Pedroia

said. "You can do it from within or go outside the organization. We're trying to do it from within, and everyone knows we have a pretty darn good farm system."

Lester called Dempster "one of the best teammates I've had," and other players said he was a significant contributor to the Sox's much-celebrated 2013 chemistry. His most memorable on-field moment was a glaringly deliberate 92 mph fastball on a 3-0 pitch that crashed into Alex Rodriguez's left elbow in an August game against the Yankees at Fenway Park, soon after Rodriguez returned to the lineup while appealing his drugs-related suspension.

Coming into camp, Dempster was slated to be the sixth starter in a five-man rotation. Every staff is fragile, but the coldhearted truth of the matter is that the Red Sox have several young arms — Brandon Workman, Allen Webster and Drake Britton, among others — who are eager to develop at the major league level. And now they have Dempster's money to add to the \$5 million they were saving for a potential midseason acquisition.

They could yet use the money to reach out to Drew, who has been seeking a multiyear contract. But 21-year-old Xander Bogaerts, who had a .412 on-base percentage in 12 postseason games at third base in 2013, said in an interview, "I've been told to take grounders at shortstop, no third base."

It's obvious that Ben Cherington, the Sox's executive vice president and general manager, wants Bogaerts to be the everyday shortstop.

He hopes center fielder Jackie Bradley Jr. will put his 2013 struggles behind him and eventually cause people to cite the Yankees' seven-year, \$153 million contract for the 30-year Ellsbury — whose legs are crucial to his value — as an example of desperation begetting excess.

The more judiciously run organizations know when to cut ties, make room for young talent within a more self-assured veteran core. There is, of course, risk. The process of succession can go awry, or be delayed.

"The greatest teacher is between the lines," said John Farrell, the Red Sox's manager. "The question that's always asked is, 'Can these young players come up and help us?' But it's not just their physical ability. We know they have that. It's what happens when they struggle."



Earn up to \$2864/month this summer!

Join the MIT ISN-ARMY Labs Summer Intern Research Program *

Program Summary: MIT undergraduate students conduct scientific and engineering research at Army Science and Technology Centers under the direction of Army Scientists, from June to August. The Army host and the student determine the exact starting and finishing dates. Most areas of science and engineering are of interest. The Army Lab host determines the project content and subject matter. Projects can be basic or applied research, or both and do not need to be related to the ISN mission or to nanotechnology

Professional Benefits

- Gain valuable research experience
- Build new professional relationships
- Access world-class research facilities
- Contribute to a team that is providing new, life-saving technologies

If you would like to learn more about this program, please consider registering at the website:

<https://isn.mit.edu/internship/index.php>

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.**

Be a different kind of ENGineer

Be an E lectronic News G atherer

The Tech is looking for enthusiastic students to join our new video team.

We're looking for:

- Video editors
- Broadcast reporters
- Videographers



No experience necessary!

Email join@tech.mit.edu

EVENTS

FEB. 18 – FEB. 24

TUESDAY

(12:00 p.m. – 4:00 p.m.) Family Week at the List: Color, with color wheel workshop in the Atrium 12 to 4 p.m. and family friendly tour at 2 p.m. — E15, Upper Atrium

(8:00 p.m. – 10:00 p.m.) LSC shows Non-Stop, free advance screening — 26-100

WEDNESDAY

(4:00 p.m. – 6:00 p.m.) A Genealogy of the Gift: Blood Donation and Altruism in an Age of Strangers, sponsored by HASTS and the SHASS Dean's Office — E51-095

(4:00 p.m. – 5:00 p.m.) Off the Record 1:1 with a Silicon Valley Tech Recruiter, free giveaways, sponsored by A9 and MIT GECD — 5-134

THURSDAY

(8:00 a.m. – 1:00 p.m.) Choose to Reuse, drop-off begins at 8:00 a.m. and choosing starts at 11:00 a.m., sponsored by Working Green Committee and Department of Facilities — 32 first floor

(3:00 p.m. – 4:30 p.m.) Women in Energy, featuring panelists from Shell Oil Co. with snacks, refreshments, and speed networking at 4:00 p.m., RSVP by Feb. 19 — Media Lab 6th floor, Silverman Skyline Room

FRIDAY

(5:30 p.m. – 7:30 p.m.) Dumpling Feast contest, family friendly, sponsored by MIT Spouses & Partners and the MIT Postdoctoral Association — 66-201 (Walker Lounge)

(8:00 p.m. – 10:00 p.m.) Mediterranean Night, with food and music for \$10, sponsored by Spain@MIT — W20-208

SATURDAY

(1:00 p.m. – 3:00 p.m.) Multimedia Chain Reaction with the MIT Society of Women Engineers at the MIT Museum, free with museum admission — N51

(7:30 p.m. – 10:30 p.m.) Romanian Dance Party, free for MIT affiliates, \$3 for public, sponsored by the Romanian Students Association and GSC — Walker Memorial (Muddy Charles Pub)

SUNDAY

(3:00 p.m. – 4:30 p.m.) Harpsichord Recital by Peter Sykes, sponsored by Music and Theater Arts
— 14W-111 (Killian Hall)

(6:00 p.m. – 8:00 p.m.) Chinese Lantern Festival and Riddle Night, sponsored by ARCADE and the Chinese Student and Scholar Association — Ashdown-Hulsizer

MONDAY

(12:00 p.m. – 1:30 p.m.) Lonely Ideas: Can Russia Compete?, public lecture featuring Loren Graham and his new book, with brown bag lunch — E70-1201a

(6:00 p.m. – 7:30 p.m.) Tea with Nefertiti: or How the Arts Shape Culture, sponsored by the Aga Khan Program for Islamic Architecture — 3-133

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

Bitcoin still young, to face further tests

*Bitcoin program allows money to be
transferred almost instantaneously*

Bitcoin, from Page 12

for people who want to circumvent the government and Wall Street, occasionally for illegal purposes like buying drugs or weapons.

Other alternative virtual currencies could also rise up without Bitcoin's perceived flaws.

Susan Athey, a professor of economics at Stanford Business School, pointed to several potential outcomes. It is possible, she said, that banks will simply adopt some of the best elements of the Bitcoin program that allow money to be transferred almost instantaneously. Other alternative virtual currencies could also rise up without Bitcoin's perceived flaws, like the limit on the number of bitcoins that can ever be created.

Athey is assuming that "some of each of these things happen," she said.

"Once you look at it," she added, "you say, 'How is it we are still using these archaic financial rails?'"

But if Bitcoin is to have any chance of success, its digital architecture is going to have to prove its sturdiness under increasingly difficult conditions.

The most recent doubts were raised when a Bitcoin exchange that was once the largest in the world, Mt. Gox, almost shut down after discovering that customers could make transactions disappear from its records.

While this initially appeared to be a

problem limited solely to Gox, it spread to several other large exchanges last week, and the Bitcoin Foundation acknowledged that it was a flaw that developers had long been aware of. With the issue out in the open, hackers began an attack on the main exchanges.

All of this put the developers who work on Bitcoin's open-source computer code into a frenzy of programming. The chief scientist at the foundation, Gavin Andresen, posted his activity on Twitter on Thursday: "Today was about ignoring people and Deep Coding."

By Friday, it appeared that the problem was largely under control, and the largest exchange, Bitstamp, reopened. That helped the price of a bitcoin rise to \$660 on Friday evening from \$532 in the morning.

Jeff Garzik, one of the currency's long-time developers, said that the problems exposed last week should not be a long-term issue for the network. But he acknowledged that Bitcoin would still face significant tests.

"We're still a very young ecosystem," said Garzik, who now works for the Bitcoin company Bitpay. "I'm certain that bigger and much more devastating attacks will occur in Bitcoin's lifetime. That's the nature of the beast."

Garzik expressed his confidence in Bitcoin's ability to survive attacks because of the collaborative nature of the programmers working on it. At the same time, he said that he was drawn to Bitcoin not because he thought it would take over the world but because it was a "fascinating experiment at several levels."

The last year, he said, was a year of "increasing visibility." The next year, he said "will be the year of action."

MOCAPTAINS@MIT.EDU

UA FINBOARD, LEF/ARCADE

THE MOLYMPIC GAMES

THE 9TH ANNUAL MOCHA SHOW

SATURDAY, FEB 22ND
6PM + 10PM
KRESGE LITTLE THEATER

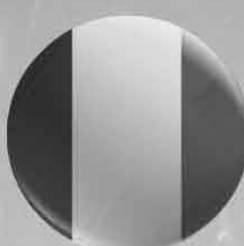
GET TICKETS FOR \$5!
2/12 - 2/14 STATA
2/17 - 2/21 W20

MOCHA MOVES

This space donated by The Tech



This space donated by TheTech



First 50 tickets online for \$5!!!

Join us for the best of our Mediterranean
treats and the hottest Mediterranean beats at

Mediterranean Night

Tickets

\$10 at <http://lebanon.scripts.mit.edu/event/>

\$15 at door- LIMITED SALE

Lobdell Dining Hall (W20-208)
Friday February 21st
8pm-12:30am

Sponsored
by LEF

ID Required for cash bar

France @ MIT Spain @ MIT



Hellenic Student's Association



File Edit Options Buffers Tools Im-Python Python Help

```
import new_skills

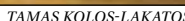
def learnMarketableJobSkills():
    return linux, OSX, javascript, applescript, perl, python

if you.interest == True:
    print "E-mail join@tech.mit.edu"
```

MIT outlasts Clark University in a thrilling finish to win 61-58 on Saturday afternoon

DAPER STAFF

The Cougars' comeback attempt began with a three-point play by Esther Cohn with 2:12 remaining, which was followed by another conventional three-point



Sabrina M. Drammis '16 scores against Clark University on Saturday, Feb. 15. MIT won the game with a final score of 61-58.

The lead was erased six seconds later as Kordell drove down the court and hit a jumper in the middle of the lane while being fouled. Following her successful free-throw attempt, the Cougars made their last charge. Condon's shot was off the mark

Sabrina M. Drammis tallied 12 points, six rebounds, two assists, two blocks, and two steals for MIT. Ramachandran registered a game-high 13 rebounds and added

Both squads return to action on Wednesday, February 19 with match-ups against NEWMAC opponents as MIT will travel to Babson College while Clark will host Emerson College.

ERIC HAO

Abra H. Shen '16 readies her rifle in the second of three rounds against SUNY Maritime on Saturday, February 15. Out of her four teammates, she ranked second in that round with a score of 192/200. MIT won with a score of 2170-2061.

*MIT sweeps NYCC and wins
in exciting match versus WIT*

DAPER STAFF

MIT continues non-conference play on Thursday, Feb. 20 when it hosts No. 6 UC Santa Cruz.

Men's Volleyball vs. UC Santa Cruz 7 p.m., Rockwell Cage