MIT's Oldest and Largest Newspaper

tech.mit.edu

The Tech

Established 1881

Volume 136, Number 6

Thursday, March 3, 2016

WEATHER, p. 2

THU: 32°F | 21°F Mostly sunny

FRI: 31°F | 22°F Chance snow

SAT: 35°F | 24°F Mostly sunny

Climate sit-in ends with an agreement after 116 total days

FFMIT, VPR pen joint statement

By Vivian Zhong
STAFF WRITER

An agreement with Vice President for Research Maria T. Zuber officially ended Fossil Free MIT's 116-day sit-in outside President Reif's office 1 p.m. Tuesday.

The Institute did not agree to divest, but did agree to establish an advisory committee on climate action and to convene a forum to explore the ethical considerations of climate change, Fossil Free and administrators from the office of the Vice President for Research (VPR) wrote in a joint statement.

The administrators also agreed to strengthen MIT's Plan for Action on Climate Change, re-identifying the 32% reduction in carbon emissions on campus as a "floor" rather than a "goal." Under the agreement, MIT's Office of Sustainability will also annually re-assess the Institute's progress toward its goals.

The agreement was reached after months of closed-door discussions; students, faculty, and alumni maintained the sit-in since MIT's Climate Action Plan was published last October. That protest was an attempt to put pressure on the administration to continue talks.

"We got the deal done," Zuber said later Tuesday in a joint interview with The Tech and FFMIT representatives Ioana Knopf, Daniel Mascoop, and Jeremy Poindexter.

President Reif tasked Zuber and her office with leading negotiations with FFMIT. It was a difficult process, she said, and negotiators went through multiple drafts and missed multiple deadlines before they reached an agreement.

"We have been talking since the Climate Action Plan report came out, regularly… more than weekly," she added. "We've all gotten to know each other really well."

"From an administrative point of view, we really, really wanted FFMIT to work with us because we share the same goal," Zuber said.

Both parties emphasized that their shared goal was to "mitigate climate change" and "meet the 2°C limit on global warming," adopting the goal that came out of last year's UN Climate Change Conference in Paris; Zuber herself spoke at that conference. This shared goal had been established "since the beginning," Mascoop added.

FFMIT had consistently identified three objectives during the sit-in, demanding that the Institute divest from coal and tar sands companies, that an Ethics Advisory Committee be established, and that the Institute commit to making the campus carbon neutral as soon as possible before 2040.

The plans outlined in the joint statement incorporated the latter two suggestions.

The first analysis by the Office of Sustainability will be published this summer. Undergraduate and graduate sustainability groups will also be involved.

The original goal, Zuber said, "was published by us in the CAP because that was what the government recommended" and was "not based on any analysis of instituting energy efficiencies on this campus. Of course [the original goal] is not sufficiently ambitious to meet the 2°C goal." Between half a dozen and a dozen FFMIT members have been actively negotiating the scope of the plan with Zuber for the last few months.

Zuber attributed to the students the "idea of [aspiring to carbon neutrality] as a grand challenge." Said Poindexter, "We saw value in aspiring to carbon neutrality because of its potential to galvanize the community and its potential to elevate the Institute as a leader in demonstrating [and] implementing real actual solutions."

"On the administrative side of things, MIT doesn't want to make a statement of something that we can't do," Zuber said. "The Institute wasn't willing to sign up for [carbon neutral-

Sit-in, Page 10

VIVIAN HU—THE TECH

Students gather around therapy dogs during Wednesday's Community Reflection. The reflection also included gentle music and an art project consisting of hundreds of paper stars "to represent the strength of our community.

Community reflection meant to help students pause, connect

A community reflection held in Lobby 13 Wednesday afternoon featured drinks, cookies, therapy dogs, and an art project.

The purpose of the event, organizer Izzy Lloyd '18 told *The Tech*, was to "create a space for people to come relax and unwind" and be with friends in the midst of a difficult semester. The event also served as a way to provide support to students on the anniversaries of the deaths of Christina E. Tournant '18 and Matthew L. Nehring '18.

In an email to undergraduates, Daysi N. Gomez '18 wrote that the "strong sense of community" fostered in the past year is "something to be proud of" and that it results from "showing compassion for one another."

Turnout at the community reflection was high, with the cookies disappearing quickly and many students stopping by to pet the therapy dogs and decorate paper stars for a community art project. The atmosphere was tranquil, with calm music playing in the background and students chatting with friends.

The stars will be strung together and hung somewhere on campus. Gomez said they will "represent the strength of our community."

Lloyd said that the high turnout shows that time for reflection is "what the community needs."

She said she plans to hold similar events in the future, possibly as frequently as once a month or once every two weeks.

—Emma Bingham

Chief of Mental Health to resign on December 31

Alan Siegel, chief of Mental Health and Counseling since 2002, is retiring at the end of this year. His tenure is marked by an increased focus on serving undergraduates, with the percentage of students visiting mental health rising from 12 percent to 24 percent, according to Siegel. Today, students make up 90 percent of all visitors to MH&C — up from 20 percent in 2002.

"[A]lthough I love MIT and my work, and would want to stay on forever, I wanted to retire at a time that was good for the Institute, my [s]ervice and colleagues, and, of course, myself," Siegel wrote in an email to *The Tech*. "So that's how I decided on December 31, 2016."

During his time at MIT, Siegel transformed a collection of independent clinicians into an interconnected system that is responsible for the entire community. "It's shifted essentially from a group practice model to a community health model," Siegel said in a separate interview with *The Tech*.

Siegel grew MIT's community health system by hiring staff members who shared his vision and expanding mental health services into fraternities, sororities, and residence halls. While he acknowledged that his initial attempts to open offices in dorms were not well-received, he said that students have recently begun to want support closer to their living spaces.

Siegel said that he has seen "more of an outspokenness" in MIT students over his tenure, which he considered to be "very constructive." Whether in matters of politics or mental health, he said this "greater sense of agency" is better for students, allowing their voices to be heard.

Siegel's decision to retire comes after a "succession planning" process that lasted four years. These plans are meant to ease the transition of people in important positions reaching retirement age. According to Siegel, this planning is typical for several offices, including MIT Medical, that report to Executive Vice President and Treasurer Israel Ruiz.

At 71, Siegel is still going strong. "I don't feel like I'm finished," he said. While he is unsure of how he may work with MIT in the future, he said that he "will continue [his] teaching and supervision of trainees on the faculty of [Harvard Medical School]," as well "maintain a small private practice in [his] outside office."

Medical Director Cecilia Stuopis '90 commended Siegel for working "diligently to destigmatize mental health care and improve mental health outreach throughout the MIT community."

"Through his efforts," Stuopis said, "service quality and access have improved."

—Drew Bent

IN SHORT

Christine Lagarde, Managing Director of the International Monetary Fund, will deliver this year's Compton Lecture on Friday, March 4, at 4 p.m. in Kresge Auditorium.

Tomorrow, March 4, is add date. Check your registration and make sure to add any classes before 5 p.m.

March 4 is the last day for sophomores to change class registration to or from Exploratory status, and the last day for juniors and seniors to change a class to or from P/D/F grading.

U.S. Secretary of Energy Ernest Moniz will deliver the keynote address at the MIT Energy Conference on Friday, March 4, at 9 a.m. in the Grand Ballroom of the Boston Marriott.

Quarter four PE registration will be open until Wednesday, March 9, at 1 p.m.

The MBTA is ending its late night bus service. After March 18, the T will close at 12:30 a.m. every day.

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

PORTRAITS OF RESILIENCE
An academic quest for success, searching for a human connection.
CAMPUS LIFE, p. 9

TO VOTE OR NOT TO VOTE
A vicious cycle of abstention and polarization. **OPINION, p. 4**

LEAPING ON LEAP DAY
The Tech interviews triple and long jump star Arinze Okeke. **SPORTS, p. 11**

CONQUERING COMEDY: THE ADRENALINE AND THE ANXIETY
A writer's stint in stand-up.
CAMPUS LIFE, p. 8

A TRAGIC BALLET
Onegin moves audiences with unrequited love.
ARTS, p. 2

SECTIONS
Arts 2
Weather. 4
Opinion 4
Fun. 5
Campus Life 8
Sports 11

ARTS

ALBUM REVIEW

The life of Kanye West

Kanye West is as audacious and unstable as ever

★★★☆☆

The Life of Pablo

Kanye West

Def Jam Recordings and G.O.O.D Music

February 21, 2016

By Ryan Hays

Kanye West is a visionary, a jackass, a gifted musician, and an awful fashion designer. And after an admission of being $53 million in debt, irrational Twitter behavior, a leaked SNL backstage rant, and multiple tracklist and title changes, he has finally released a working version of his seventh studio album titled *The Life of Pablo*.

While the identity crisis from Hollywood fame and Compton root has been rapped about many times over, *The Life Of Pablo* is the manifestation of a psyche much more complicated. West opens up the album with "Ultralight Beams,"a performance that incorporates elements from gospel music and discusses the ever-growing challenges to faith in God and faith in one another. Immediately afterward, West dives headfirst into the song "Father Stretch My Hands Pt. 1" that opens with a particularly crude, obscene lyric and a stiff, demo-sounding beat. The next song "Pt. 2"ditches his repentance in favor of trap music, fancy cars, and "taking all the stacks" for the people he has wronged. West completely flips his rhetoric, style, and production before the album even takes off.

"Famous," one of the best and most diverse songs on the album, features stunning vocals from Rihanna, a discordant mix of sounds and samples, and, unsurprisingly, another vulgar insult directed to Taylor Swift. In the track, Rihanna personifies fame trying to lure West into its grasp, singing "I just wanted you to know/I love you better than your own kin did" while West is possessed by the ecstasy of it all. An artist as ambitious and notorious as Kanye West certainly has the credentials to flaunt fame and fortune as he does in this track, and many of *The Life of Pablo's* most memorable moments are ones done in poor taste.

However, for an artist infamous for his overwhelming thirst for attention and greatness, self-doubt and personal criticism are surprisingly pervasive in this album. In the track "Wolves," West uses dark, primal noises and religious imagery to underscore the dangers that he and the world present to his wife and children. The song "Real Friends" articulates the superficiality of many of West's relationships with his friends and family. Look back twelve years ago at his debut album *The College Dropout*: West was inspired and motivated by his extended family when he said, "This is family business/And this is for the family that can't be with us." What have West and his loved ones done to ruin their trust? West might be as successful as ever, but he isn't afraid to point out that his insecurity has grown hand-in-hand with his list of achievements.

Just like the man who created it, *The Life of Pablo* has its fair share of imperfections. While West purposely gives the albuma scattered, eccentric mood, there is plenty of filler material that makes it less accessible to casual listeners than his previous work. Many of the backing sounds, beats, and overall production — which have previously been West's bread and butter — seem to be incomplete. Though West is celebrated for music that spans multiple genres and pushes endless boundaries, this album might be his first that doesn't awaken a new generation of artists to mimic a new sound of his. Sure, West was able to gather an absolutely *astounding* collection of guest artists to contribute — Chris Brown, The Weeknd, Rihanna, Andre 3000, and Kendrick Lamar, just to name a few — but he tries to fit these artists into such small parts that he suffocates their talent.

Like that of all great artists, Kanye West's work is always evolving, always interesting, and always unique. While *The Life of Pablo* doesn't contain the grounded sampling and clever lyricism that *The College Dropout* and *Late Registration* did, or illustrate the grandiose, masterful production and structure found in West's magnum opus *My Beautiful Dark Twisted Fantasy*, it challenges listeners to put together the pieces of West's life and artistic vision. After all, *The Life of Pablo* is not a narrative, a memoir, or a sociopolitical abstraction. Rather, it is an impression of all the arrogance, creativity, bravado, and debt in which Kanye West is immersed.

BALLET REVIEW

The Boston Ballet presents Onegin

John Cranko's dramatic tale of unrequited love

By Carolyn Fu
STAFF WRITER

Ever since the Boston Ballet first brought this John Cranko classic to the U.S., *Onegin* has been a fan favorite. It is one of the most moving pieces in the classical ballet repertoire, telling the story of the naïve Tatiana Larina who falls in love with the brooding Eugene Onegin. But the older Onegin finds her childish infatuation tiresome, and spurns her — only to have the tables turn when he comes to his senses years later.

The piece has several dramatic themes — not only about Tatiana's unrequited love, but also Onegin's personal growth, which is catalyzed when he kills his best friend Lensky. In fact, the piece begins to lose itself after a while, with individual dramatic climaxes that fail to string together into a cohesive whole. This is a common complaint withthe ballet, exacerbated by the fact that the score is in fact a mélange of Tchaikovsky pieces cobbled together. This proved to be a significant distraction for me, with clearly intense moments backed by strangely lighthearted music, and the absence of any real musical theme that mirrors the characters' growth.

Nevertheless, the drama of the piece is sustained by Cranko's beautiful choreography of individual scenes — especially the mirror pas de deux where Tatiana dreams of being with Onegin, and the final pas de deux where she rejects him in spite of her true feelings. Misa Kuranaga and Eris Nezha are the perfect emissaries for this stunning choreography. In their first meeting and the mirror pas de deux, Nezha's grounded fondus and balances are complemented by Kuranaga's flitting leaps, contrasting his aloofness with her over-eagerness. In their partnering, they are just as comfortable in the many complicated lifts and spins as they are in the slower adage, transitioning between both with impressive control.

Diana Albrecht as Olga (Tatiana's sister) and Alexander Maryianowski as Lensky (Olga's fiancé and Onegin's best friend) are excellent foils to the main characters. Maryianowski in particular portrays a captivating Lensky, whose irritation with Onegin grows visibly beneath the surface until it erupts in the challenge to duel, which he immediately regrets. His final solo is a touching rendition that balances both his resignation and indignation. The leads are also supported by an excellent corps, whose precision and energy drew much applause from the audience.

Onegin

Performed by the Boston Ballet

Boston Opera House

February 25 to March 6

All told, with its strong dramatic moments, the production offers a great introduction to ballet for the newcomer, while intricate choreography and masterful execution provide much for the seasoned balletomane to sink their teeth into.

EXHIBIT REVIEW

Art of the Internet scam

New MIT List exhibit explores deception in the virtual world

"I Must First Apologize…"

Joana Hadjithomas and Khalil Joreige

MIT List Visual Arts Center

February 19 to April 17

By Christopher Wang
STAFF WRITER

While waiting for the train back to Boston last Thanksgiving, I was approached by a fellow traveler with a tragic story. He had lost his wallet through a recently-discovered hole in his pocket. Now he was stranded in the station with nothing. Would I be able to spare anything? Sure, no problem. I had $5. I would be glad to help out. Sitting on the train a few minutes later, I was kicking myself. Why did I fall for such an obvious scam? How could I have been so gullible? Weeks later, at an art exhibit, I found some answers. In the MIT List Center's most recent installation, "I Must First Apologize…," Joana Hadjithomas and Khalil Joreige pick apart the art of the online scam. Through a presentation of video and collected text, the duo examines the construction of fake online identities.

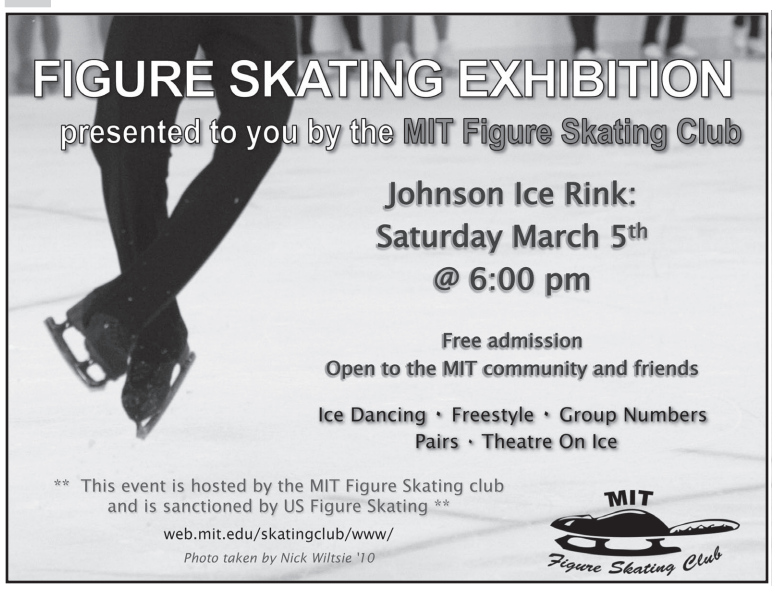
Before I entered the main exhibit, the front desk advised me to begin in "The Rumor of the World" (2014), an exhibit that fills the entirety of a side room. A dozen or so screens set on the edges of the hall provide the only light in the space. Each one shows an actor reciting the script of a scam email. Speakers dangling from the ceiling pump in fraud by the decibel: "… 63 million dollars … financial opportunity … a trustworthy source …." A tangle of speakers hangs from the center of the room, blending the voices into a cacophony that can be heard throughout the whole exhibit. "Rumor" serves as an immersive introduction to the rest of the exhibit and also encapsulates what makes "I Must Apologize..." so engaging. By rendering the online world in the physical, the viewer can read the human intelligence behind the spam. From the mouths of real people, the scripts do not feel machine generated. The blatant deceitfulness of the spam combined with the quiet sincerity of the actors did not sit comfortably in my head. Watching the actors read these scripts triggered a small amount of cognitive dissonance, which I took with me into the main exhibit.

The rest of the exhibit is housed in a separate, well-lit room. Each piece is a scientific effort to document the world of online spam and present it in the physical world. Visitors hear a scam artist discuss his trade secrets in "Fidel" (2014), or browse a bound collection of spam emails. Hanging from the ceiling, a tangled globe of bent metal, "The Geometry of Space" (2014) traces the path from scammers to receivers in curved, stretched steel and gives tangible definition to the world of spam letters.

Most of the installation space is devoted to "The Trophy Room" (2014), which feels like an artist's take on a natural history exhibit. In "Trophy," thin panes of glass hold placards which detail the triumphs of "scambeaters" — vigilantes dedicated to wasting the time of scammers. When solicited by a scammer, a scambeater will trick the unsuspecting scammer into running a fool's errand as a sign of good faith. This particular exhibit adds a nuanced layer to the exhibit's depiction of scammers. "Trophy Room" highlights the difference between the spammers and the spammed. Most of the scambeaters seem to live in more developed nations. The pranks that they pull on the scammers, while mostly harmless, seem to cruelly take advantage of the scammers' less privileged positions.

Taken together, the exhibits of "I Must First Apologize…" do a great job of pulling truth from noise. Although spam emails intend to mislead, they contain real information about the recipient's expectations and credulity as the scammer perceives them. When scammers or scambeaters set out to deceive, they must consider the intelligence and emotion of the deceived. Through a series of carefully constructed pieces, "Apologize" unpacks these intricacies, extracting a profile of human trust from a collection of spam emails.

In the back of the hall, a projector rotates through a series of video portraits in "It's All Real" (2014). In the process of recording the monologues for "The Rumor of the World," the artists also collected genuine stories from their actors. In these accounts, a woman speaks of her life in Lebanon after fleeing Iran, and a young man expresses his wish to reunite with his missing mother. The authenticity is refreshing and a little comforting, a reminder that the world is not composed solely of scammers and scambeaters: some people are trying their best to construct a real identity.



COMEDY REVIEW

Hannibal Buress performs stand-up comedy at MIT

The actor, writer, and comic brings his unique persona to the Institute

Hannibal Buress
Kresge Auditorium
February 26, 2016

By Gabe Fields

Stand-up comic Hannibal Buress performed to a sold-out Kresge Auditorium on Friday night, in a comedy set ranging from commentary on the previous night's Republican debate to a solid five minutes of gibberish rap. The show was sponsored by the De Florez Fund for Humor, and tickets were distributed by lottery to members of the MIT community.

The Chicago-born comedian has had short stints writing for *Saturday Night Live* and *30 Rock*, but is most well-known for his stand-up comedy and his role as Lincoln in the stand-out Comedy Central show *Broad City*. Earlier this month, he released a new comedy special, *Comedy Camisado*, on Netflix, to critical acclaim. Buress is also often credited with helping push the rape allegations against Bill Cosby to the forefront of the public consciousness with a set of jokes from late 2014.

After Lamont Price, the opening act, warmed up the crowd with a decent 20 minutes of stand-up (with some particularly funny bits about white people named Todd and the joy of hitting people with coconuts), he introduced the headliner, to enthusiastic applause. The very first thing that Buress said after entering the stage was, "Thank you, for your parents' money!" He went on to make a few jokes about MIT, including one he revisited several times about just how funny he thought it was that one could major in French here. Buress also engaged with the audience, asking one person in the front row what his major was and what he was planning to do after college. The student answered computer science and that he wasn't sure, and Buress joked, "Don't worry, I'm an MIT student. I'mma network my way into suburban tranquility."

Buress kept the audience engaged and laughing, expertly transitioning from topic to topic without making it obvious that he was telling a set list of jokes. That, in my opinion, is one of the most important characteristics of great stand-up comedy: the ability to get an audience to willingly suspend their disbelief and take in a set as if it's complete stream-of-consciousness. Buress has a way of talking very softly, almost at a whisper, at certain parts of jokes, and he utilized that expertly to keep the crowd hanging on his every word. Whenever he lowered his voice, the entire room would become virtually silent. And his personality, low-key and laid-back but also unpredictable, is an integral part of his comedic persona, manifesting itself in his television characters as well as his stand-up.

Much of Buress's comedy centered around telling stories. He also talked about contemporary issues like the water crisis in Flint, Michigan, where he went on to headline at a benefit on Sunday, and the current presidential race (my favorite bit from that: "Bernie Sanders is gonna die soon. How has Hillary not pulled that out in debates? ... Also, he's bald. If the president's bald already, how are we going to track his stress?").

But perhaps the most unique part of Buress's comedy is his experimentation with musical cues. He had a DJ on stage for the entire show who he began incorporating into his humor, and who functioned almost as a comedy backup singer. In one joke, Hannibal remarked about how many rap songs start with a line about morning wood. "Don't believe me?" he said. "I brought evidence." He proceeded to have the DJ play five-second snippets of every single song that starts with a morning wood remark, commenting on each one. Later on, he played the opening bass line to the song "Fancy" over and over again, making a different joke about how stupid it was every time and bringing it back later to tie into other jokes. The use of preset musical cues somewhat undermined the sense of spontaneity and natural flow that comics work to construct, but on the other hand it was refreshing to receive acknowledgement of the planned nature of comedy, almost like a wink from backstage. The show was an intriguing mix of traditional stand-up and rehearsed elements, providing hints of where comedy could go in the future.

Just when it seemed like the show was over and Hannibal was about to walk offstage, he yelled, "Ballerinas!" and music blasted as four dancers pirouetted onstage. Buress started rapping over the music as the ballerinas danced. It was unintelligible to me, but like most people, I just assumed that there must be decent or funny lyrics buried underneath all the noise from the music and cheering. He did the same song twice, and then one last time with no music, to reveal that he had just been rapping gibberish the entire time. It was a wonderfully disorienting ending to a great show.

Solution to Primaries
from page 5

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

Solution to Caucuses
from page 5

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

Solution to Candidate
from page 5

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

Be a PENguin
write for us
e-mail join@tech.mit.edu

OPINION OPINION OPINION OPINION OPINION OPINION OPINION OPINION

The Tech
Established 1881

Chairman
Colleen Madlinger '17

Editor in Chief
Katherine Nazemi '17

Business Manager
Aaron Zeng '18

Managing Editor
Vivian Hu '18

Executive Editor
William Navarre '17

NEWS STAFF

Features Editor: Drew Bent '18; **Staff:** Emma Bingham '19, Divya Gopinath '19, Vivian Zhong '19; **Meteorologists:** Colin Thackray G, Vince Agard '11, Costa Christopoulos '17.

PRODUCTION STAFF

Editor: Justine Cheng '17; **Associate Editors:** Hannah Rudoltz '18, Samir Wadhwania '18; **Staff:** Emily Weng '19, Wei H. Wu '19.

OPINION STAFF

Editor: Claire Lazar '17; **Associate Editors:** Michael Beautyman G, Keertan Kini '16; **Staff:** Feras Saad '15, Isaac Silberberg '16, Suri Bandler '17.

SPORTS STAFF

Editor: Souparno Ghosh G; **Staff:** Margaret H. Carpenter '17, Ali C. Soylemezoglu '17, Zachary Collins '19, Yueyang Ying '19.

ARTS STAFF

Editors: Karleigh Moore '16, Tara Lee '17; **Associate Editor:** Nafisa Syed '19; **Staff:** Josh Cowls G, Carolyn Fu G, Denis Bozic '15, Ka-Yen Yau '18.

PHOTOGRAPHY STAFF

Editors: Lenny Martinez '17, Daniel Mirny '18, Robert Rusch '18; **Associate Editors:** Ho Yin Au '13, Tristan Honscheid '18; **Staff:** Alexander C. Bost G, Melissa Renée Schumacher G, Christopher A. Maynor '15, Sherry Ren '15, Skyler E. Adams '16, Sarah Liu '16, Landon Carter '17, Chaarushena Deb '18, Megan Prakash '18, Jessie Wang '19.

CAMPUS LIFE STAFF

Editor: Kath Xu '16; **Associate Editor:** Chloe Yang '19; **Staff:** Elaine Lin '18, Jing Lin '18, Nina Lutz '19, Michal Shlapentokh-Rothman '19.

BUSINESS STAFF

Advertising Managers: Angela Leong '18, Jessica Pointing '18; **Operations Manager:** Christopher Wang '19; **Staff:** Nayeon Kim '16, Madeline J. O'Grady '16, Joyce Zhang '16, Michelle Chao '17, Casey Crownhart '17, Fiona Lam '17, Junsheng Ma '17, Eli D. Scher-Zagier '18, Amy Wang '18, Catherine Looby '19, Jisoo Min '19, Caroline Pech '19, Milka Piszczek '19, Katherine Wang '19.

TECHNOLOGY STAFF

Director: Jiahao Li '18; **Staff:** Greg Steinbrecher G, Zygimantas Straznickas '17.

EDITORS AT LARGE

Contributing Editors: Sanjana Srivastava '18, Ray Wang '18; **Senior Editors:** Will Conway '16, Leon Lin '16, Anthony Yu '16.

ADVISORY BOARD

Paul E. Schindler, Jr. '74, V. Michael Bove '83, Barry S. Surman '84, Deborah A. Levinson '91, Karen Kaplan '93, Saul Blumenthal '98, Frank Dabek '00, Satwiksai Seshasai '01, Daniel Ryan Bersak '02, Eric J. Cholankeril '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-Herdeg '08, Marie Y. Thibault '08, Ricardo Ramirez '09, Nick Semenkovich '09, Angeline Wang '09, Quentin Smith '10, Jeff Guo '11, Joseph Maurer '12, Ethan A. Solomon '12, Connor Kirschbaum '13, Jessica J. Pourian '13, Aislyn Schalck '13, Anne Cai '14, Jessica L. Wass '14, Bruno Faviero '15, Kali Xu '15, B.D. Colen.

PRODUCTION STAFF FOR THIS ISSUE

Anthony Yu '16, Justine Cheng '17, Vivian Hu '18, Hannah Rudoltz '18.

The Tech (ISSN 0148-9607) is published on Thursdays during the academic year (except during MIT vacations) 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 © ***2016 The Tech***. *Printed by Turley Publications, Inc.*

The self-fulfilling prophecy of polarization

We need active consent of the governed

By Keertan Kini
ASSOCIATE OPINION EDITOR

In a 1944 radio address to the American people, FDR said, "Nobody will ever deprive the American people of the right to vote except the American people themselves — and the only way they could do that is by not voting at all."

Regardless of the failures of government and the political system, democracy possesses an elegant irony in that ultimately, the accountability for the system resides with the electorate — by the consent of those who are governed. We can therefore be reasonably certain that the chaotic election, gridlocked government, and polarized body politick are ultimately our fault.

The final point, about polarization, is perhaps the most curious. For years, the American people have witnessed a political system unwilling to compromise, such as in the case of immigration reform, and often arguing over reality itself, in the case of climate change. Yet the notion that we are now simply Roman voyeurs watching political gladiators engage in bloodsport of their own choice is absurd, given that we built the Colosseum and defined the rules of the game.

Given that the last election before 2008 to exceed 60 percent voter turnout occurred nearly five decades ago, and that the more extreme elements vote most frequently, it is no wonder that politicians are more interested in the margins than the center ground. During the 2014 election, for example, nearly 65 percent of the electorate did not vote, meaning that members of Congress have little incentive beyond honorable obligation to represent that 65 percent.

Yet that population holds the balance of power and the means to bridge the divide. A Pew poll found that only 21 percent of the voting-age population is 'consistently' liberal or conservative, whereas nearly double that number has mixed opinions. The 'consistent,' or 'ideological,' voters are more likely to show up on election day. The same poll showed that moderate voters are less likely to show up on election day, so partisan minorities exercise outsized control over elected officials. In a vicious cycle, candidates may then seek to increase turnout from the margins and neglect moderate stances, ultimately discouraging more moderates from voting at the next opportunity.

This phenomenon should not be surprising. Recent voter ID laws such as that currently being challenged in North Carolina are increasing the activation energy for a voting-age individual to actually exercise his or her political voice, much as poll taxes and literacy tests were instituted to disenfranchise voters and thereby reduce the size of the electorate. This tactic is aided by poorly publicized registration deadlines.

Ideally, a candidate would be elected through persuading a majority of their constituency through rhetorical strength. Cynically, a candidate would be elected by pandering to a majority of their constituency. Currently, a candidate would ignore the majority of their constituency, preferring instead to frighten the margins to boost turnout and dishearten the rest of the electorate to reduce it.

In the past, I respected abstention as a valid option for voters to take. I used to rationalize that life is busy and that the political system is discouraging, and I repeatedly excused peers when, out of cynicism or disinterest, they sacrificed their political voice for expediency. Now, I believe that to refuse to vote is to shirk one's duty as a citizen, to shy away from making a decision on the individuals who, for better or worse, affect millions of lives. To do so is unconscionable. While forcing oneself to vote may not necessarily affect this election, as more individuals do so, it would have the cumulative effect of driving politicians away from partisan corners and into the center ground.

As Associate Justice Brandeis wrote, "The most important political office is that of the private citizen." It's long past time we start respecting that office and do our job, if we ever want our representatives to do theirs.

WEATHER

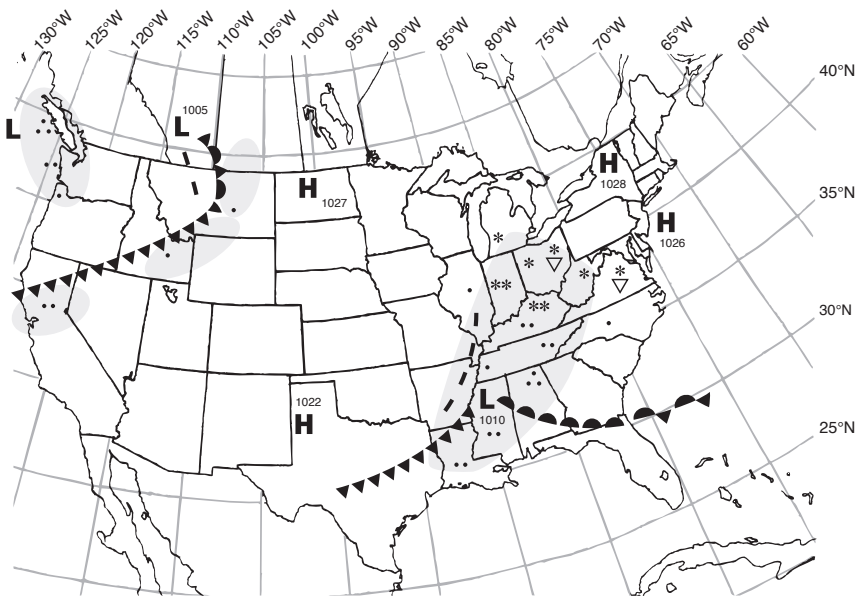
Cool temperatures will be followed by sunnier skies

By Jordan Benjamin
METEOROLOGIST

High pressure across the region will give way to a developing nor'easter that will strengthen and move off of the Carolina coast by Friday morning. The system will deliver a glancing blow to southern New England on Friday as it skirts northeast, bringing a period of light snow and breezy conditions to Boston. Cape Cod may see a period of heavy snow as the low pressure system spreads precipitation into the region. The snow will clear by late Friday as cold temperatures with lows near 20°F (-7°C) remain in the region.

High pressure, partly sunny skies, and cooler temperatures will dominate through Sunday as temperatures moderate slightly; high temperatures will approach 40°F (4°C) by next week. Beyond the weekend, light precipitation may approach the region from the northwest next week as high pressure slides south and low pressure passes to the north and west.

Elsewhere across the nation relatively calm weather will persist, except in the Pacific Northwest. There, a strong low pressure system will move ashore on Saturday, bringing rain and snow at higher elevations. Rainfall accumulations of 3-10" could occur in California, bringing much-needed relief to the state which remains in the grip of an extended drought.



Situation for Noon Eastern Time, Thursday, March 3, 2016

Weather Systems	Weather Fronts	Precipitation Symbols			Other Symbols
			Snow	Rain	
H High Pressure	Trough	Showers	* ▽	• ▽	Fog
L Low Pressure	Warm Front	Light	*	•	Thunderstorm
§ Hurricane	Cold Front	Moderate	**	••	Haze
	Stationary Front	Heavy	***	•••	Compiled by MIT Meteorology Staff and *The Tech*

Extended Forecast

Today: Mostly sunny. High 32°F (0°C). Winds NW at 10-20 mph.
Tonight: Increasingly cloudy. Low 21°F (-6°C). Winds NW at 5-10 mph.
Tomorrow: Cloudy, chance of snow. High 31°F (-1°C). Winds NE at 15-20 mph.
Saturday: Mostly sunny. High 35°F (2°C).
Sunday: Partly sunny. High 39°F (4°C).

OPINION POLICY

Editorials are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of Chairman Colleen Madlinger, Editor in Chief Katherine Nazemi, Managing Editor Vivian Hu, Executive Editor William Navarre, and Opinion Editor Claire Lazar.

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.

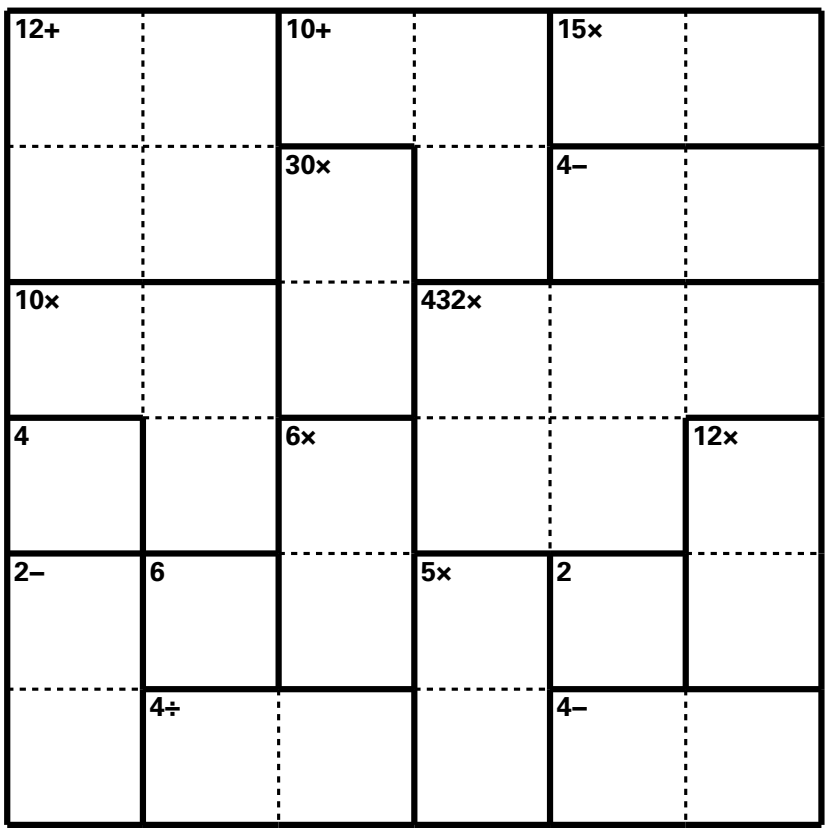
Guest columns are opinion articles submitted by members of the MIT or local community.

TO REACH US

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*.

Primaries

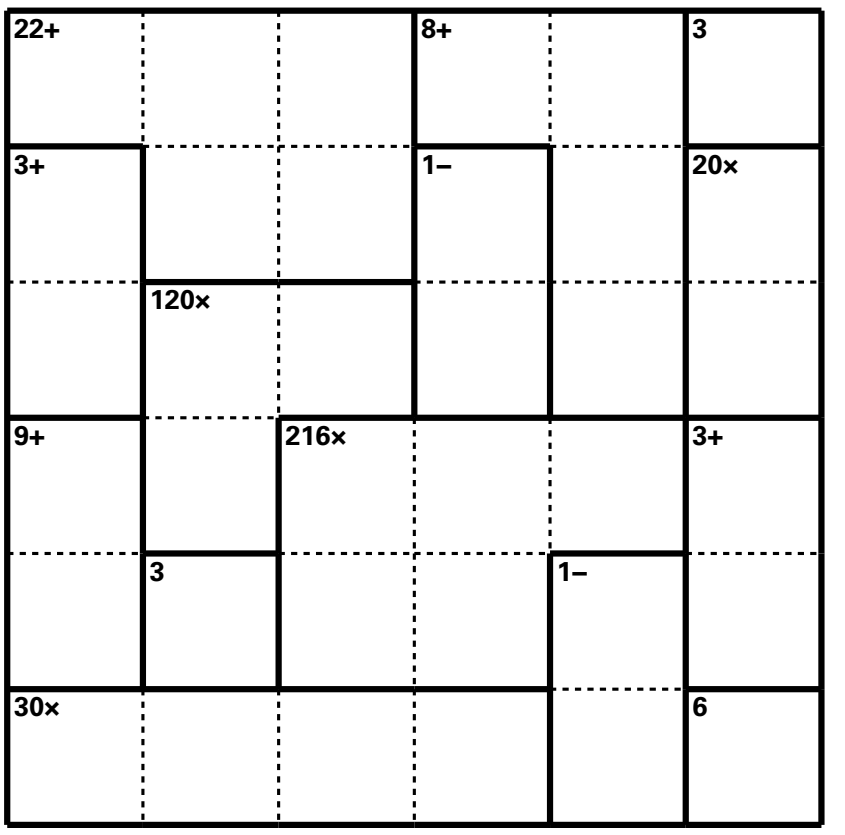
Solution, page 3



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.

Caucuses

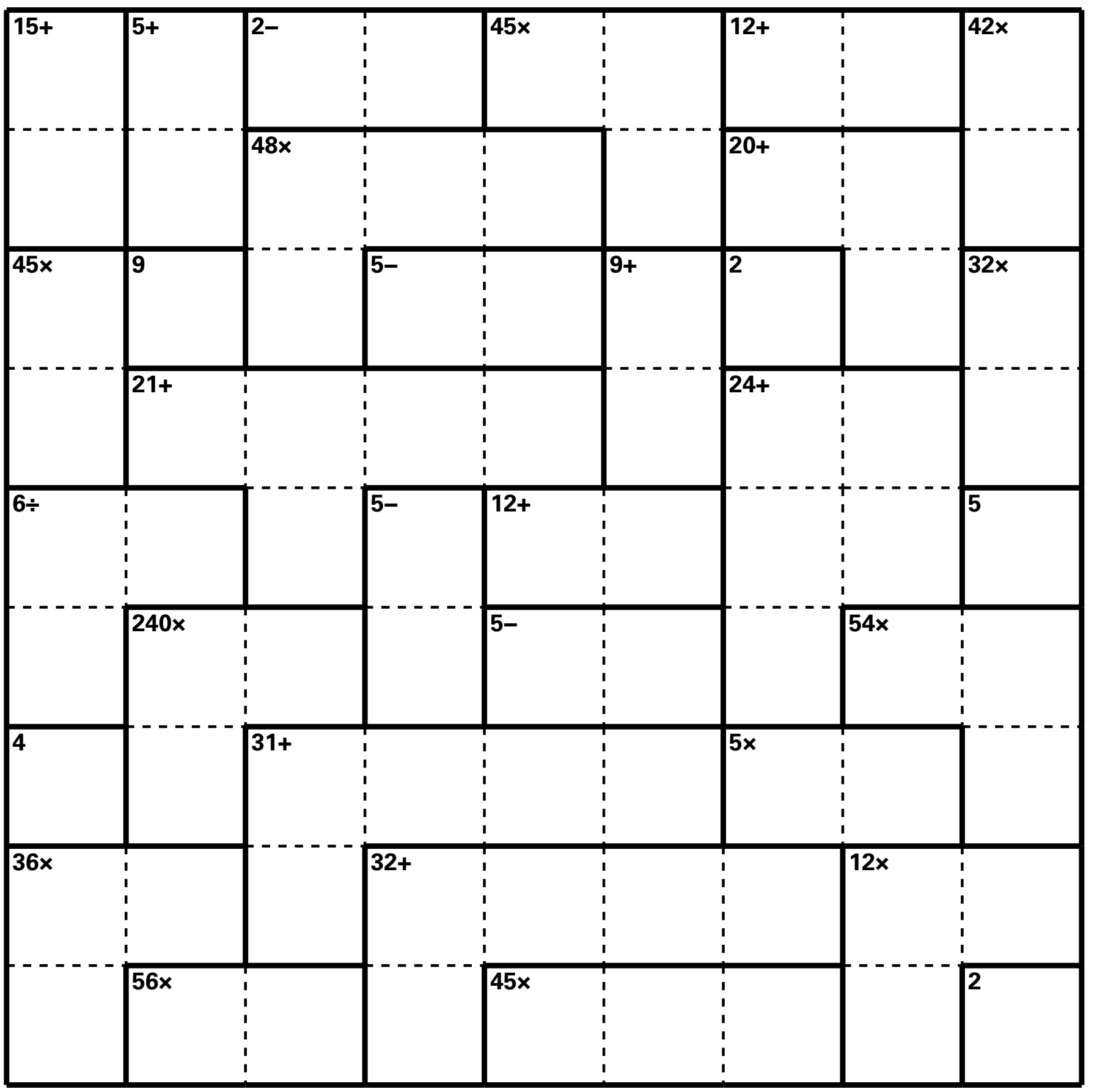
Solution, page 3



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.

"Establishment Candidate"

Solution, page 3



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–9. Follow the mathematical operations for each box.

FUNFUNFUNF

MIT ENDICOTT HOUSE
CONFERENCES & SPECIAL EVENTS

LEADERS BUILT HERE

Escape the bustle of campus and enjoy time away to build, bond and inspire at the MIT Endicott House conference center. Situated on 25 acres of grounds, Endicott House offers an *affordable* destination experience, yet only 12 miles from campus. Book & hold your retreat prior to April 31, 2016 and qualify for your choice of a complimentary workshop: greenhouse gardening, outdoor teambuilding course or team cooking challenge!

617-715-4900 *or* endicott-sales@mit.edu

OWNED AND OPERATED BY THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

88% of MIT students believe it's important to GET CONSENT from a romantic partner BEFORE any sexual activity.

Know someone in the 12%?

Connect them to VPR at vpr@med.mit.edu

IT'S ON US

MIT

What's Going On?

MIT can be a bewildering place if you don't know what's going on.

Don't be a confused panda! Instead, be a smart panda. A *happy* panda.

Tech reporters hunt down news; photographers get exclusive shots; arts reviewers attend exclusive contents and interview stars; opinion writers rouse campus support (or ire) on important topics; our business department sells advertisements from all over the nation; and production staff see the entire issue—even the parts that don't make it to press—long before we print.

Want in? Join *The Tech*!

join@the-tech.mit.edu

Women feel less prepared for Course 6, report finds

A report based on results from the EECS Undergraduate Experience Survey revealed that women feel less prepared and are less confident than men in their ability to succeed in Course 6.

Across all surveyed class years, more women indicated that they doubted their EECS abilities. Among sophomores, 67 percent of women indicated they had doubts at some point, which is more than double the 28 percent of men who felt the same way.

Of these respondents, 41 percent of women claimed their lack of confidence was due to "something a Course 6 student said or did," compared to only 16.4 percent of men.

Based on open-ended survey responses, factors that may have contributed to gender inequities and a general lack of confidence include student and department culture, which might promote one-upmanship and generally cause feelings of inadequacy. Some classes, often introductory classes, are structured such that less experienced programmers apparently feel discouraged, according to responses.

The report also proposed a set of recommendations to alleviate some of the perceived inequalities in Course 6. Teaching Assistants and Lab Assistants could be trained to address gender bias would help change the traditional gender roles of how students interact. Professors might provide self-assessments for their courses, helping students decide what to take and boosting the confidence of students who would otherwise be discouraged by their peers. Advisors could be instructed to correct false perceptions about the EECS department to give students a more realistic perspective of their abilities.

The survey was prompted by findings of the Undergraduate Student Advisory Group in EECS in 2014. The group found that a smaller proportion of women take classes that are considered more difficult.

—Ray Wang

Is there anyone you want to shadow for **24 hours**?

We're looking for writers to follow someone around for one day and write about it!

It's a great way to **make connections** on campus!

Join **Campus Life @ The Tech**!

E-mail join@tech.mit.edu

MIT CENTER FOR INTERNATIONAL STUDIES
web.mit.edu/cis | starrforum@mit.edu
STARR FORUM

Confronting the
China Cyber Challenge

Wed, March 9, 2016
4:30 PM - 6:00 PM
66-110 | 25 Ames St, Cambridge

Cyber issues have quickly risen to the top of the US-China bilateral agenda. While espionage has grabbed the headlines, the cyber struggle with Beijing involves every dimension of national power.

James Mulvenon is senior vice-president of DGI's Intelligence Division. A Chinese linguist and a specialist on the Chinese military, he is a leading international expert on Chinese cyber issues.

Joel Brenner was senior counsel at the National Security Agency and head of U.S. counterintelligence under the director of national intelligence. He is currently a Robert E. Wilhelm fellow at the MIT Center for International Studies.

2016 Scholarships and Awards

To support members investing in their education and communities, MIT Federal Credit Union is offering scholarships and award opportunities for Spring 2016.

- MIT Federal Credit Union Memorial Scholarship Program
- MIT Federal Credit Union People Helping People Award

Submission Deadline: March 15, 2016

Learn more and apply online today: mitfcu.org/ScholarshipsAwards

Call: 617-253-2845 | *Click:* mitfcu.org | *Visit:* **Cambridge:** 700 Technology Square (NE48); Student Center (W20-116)

Federally insured by NCUA

MIT FEDERAL CREDIT UNION

SUCCing it up

My stint as a stand-up comedian

By Chloe Yang
ASSOCIATE CAMPUS LIFE EDITOR

Allow me to describe a moment of distilled fear. Imagine Simmons Hall Auditorium: MIT students line the seats, crammed shoulder to shoulder. Audience members spill from plush red rows onto the stairs. Every pair of eyes is fixed on a lone figure onstage. A spotlight chains her in place. As initial applause dies down, she begins to speak into the microphone in her hand — and in that moment, more than anything in the world, she wants the audience to laugh.

For all you super sleuths out there, that lone figure was me. Two Thursdays ago, 14 other students and I each performed five minutes of stand-up comedy. I stood in front of 150 people and told them about winning "Most Improved Christian" at my racist church camp, about my haircut (which makes me a man and a lesbian, according to my mother), about the DNA polymergays that aid this hair-induced transformation, and more.

Adrenaline, anxiety, and excitement drowned out all memories of performing. Only sensory snippets remain: the numb, wobbly weakness I felt in my hands and legs while walking onstage, the cool weight of the microphone in my hand, the heat of the spotlight and balmy waves of laughter.

Before you ask, this show was not affiliated with Roadkill Buffet, nor was it improv. We were not inflicting some form of weirdly public psychological self-torture, although this last point is debatable. Rather, the performance was a final exam of sorts for the IAP Stand Up Comedy Class (SUCC). Every Tuesday in January, the 15 of us trooped to Building 5 and worked on our bits with professional comedian Mehran Khaghani.

Mehran is a whirlwind of a man — hilarious, real, and insane in the best way, he coaxed the comedy out of all of us. Despite working full time as a professional comedian in NYC (he performs at the Comedy Cellar, a watering hole for top comics), he still commuted to MIT and breathed life into our Tuesday nights. I left each class with flushed cheeks and a giddy buzz in my chest, feeling like I had just run a marathon. We learned more about each other and ourselves than I suspect we would have in months of friendship.

Mehran exceeded what I imagined a comedian would be. If people were gourmet chocolates, he would be a fiery blaze of chili pepper in your dark chocolate truffle. Every word he spoke was saturated with absurd, crude, side-splitting honesty. He made us squirm, then giggle; he forced us to be our most brazen selves, to keep up with the magnitude of his own unabashed personality.

For me, this all started with a Class of 2019 Facebook post. A SUCC alumna linked the application and encouraged us all to give it a go. I had no experience with comedy, but I had a habit of watching stand-up clips on YouTube over bowls of stress ice cream and unfinished psets. It was a dream of mine to perform, but now that opportunity stared me in the face, could I take it?

My thoughts were shrouded in uncertainty. Was I too awkward, too vanilla? I love puns to the point of near defenestration. Was it sill-y of me to think that I could make people laugh? I felt myself waver, so I did the only thing that could prevent me from chickening out. I messaged a friend — all caps, dramatic Facebook stickers, the whole nine yards — and forced him to apply, too.

At the time, as I drafted that Facebook message, I was terrified of failure. Stand-up comedy as a performance art is uniquely unforgiving, vulnerable, and selfish. To be a comedian, you must be narcissistic and confident and crazy enough to think that your stories should make people laugh, that your ranting deserves their undivided attention and love. If you are met with a wall of silence, there is no question about where the blame falls. Comedy is entirely personal. On stage, you unravel yourself for the audience; you let them see inside your Pandora's box of idiosyncrasies and taboo thoughts. They hold a bow and arrow trained on you; you hope that they won't shoot.

Looking back, though, I'm glad I transcended my stress ice cream and YouTube binges. SUCC was the best favor I could have done myself. It is too easy to procrastinate on dreams; they are safe from our own doubts and fears when they're not real. On top of that, while attending MIT, it is all too easy to believe that the only ideas worth pursuing span the steps of the scientific method. Following the tail end of a half-baked fancy, however, opened the floodgates of my mental dam.

If I want to do stand-up comedy, all I have to do is go to open mics. If I want to sing, I'll try out for a cappella. If I want to speak my mind, I'll do it, even if it scares me. There is no further preparation, no fanfare, no good omen required. As Shia LaBoeuf once vehemently expressed via viral video, "Just do it."

I am more comfortable in my own skin, now that I've informed 150 people of my "lesbian" hair and lived to tell the tale. I've realized that it is easy to saddle future me with my dreams, and it is easy to hope that she will be more qualified to do everything I am afraid to do now. That is not the case. If I want something, I need to SUCC it up, take the mic, and step into my spotlight.

ILLUSTRATION BY JESSIE WANG

Going home for spring break?
Attend an admitted student meeting!

Share your MIT experience
Mingle with new admits and alums
Reconnect with your alumni interviewer

Interested? Email admitparties@mit.edu

MIT Admissions

PORTRAITS OF RESILIENCE

Tylor Hess

Editor's Note: Portraits of Resilience is a photography and narrative series by Prof. Daniel Jackson. Each installment consists of a portrait and a story, told in the subject's own words, of how they found resilience and meaning in their life.

The first time I got a B in my life, I broke out in tears. That was in Mrs. Griffin's fourth grade reading class, and I never got a B again until I came to MIT. She hoped a B+ would motivate me, but instead it crushed me and was a traumatic experience I remember to this day. I was in the gifted program. I cared so much about grades, I was pulling all-nighters in elementary school.

It wasn't coming from my family. They rejoiced that night I came home and cried about my grades, and lovingly joked, "Finally! Proof you're human!" They even baked me a cake. My family is one-in-a-million. My dad showed us the value of hard work, commuting three hours a day so we could grow up in the picturesque Pocono Mountains. You couldn't find a more loving and caring mother. In her eyes, my three brothers and I could do no wrong.

In high school, I really cared about grades, and when I got good grades it was super rewarding. In college it was about the grades but others things too. I won 21 scholarships in four years, studied abroad in Spain, and was a two-time national medalist in Taekwondo. For me, these were memes I collected — like the time I did 24 drinks one night in my fraternity.

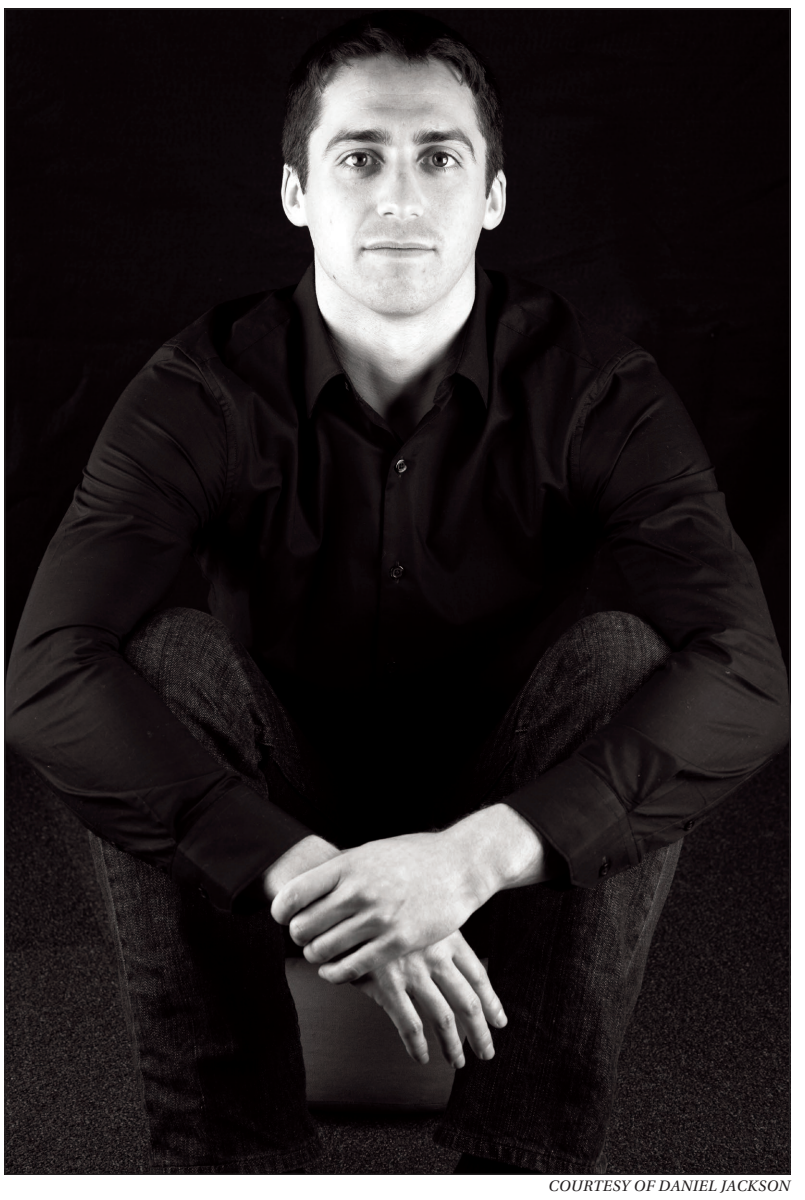
Motivation used to be in infinite supply for me. Then, suddenly, I had a very finite amount of it, and it was hard to get stuff done. The things that used to bring me pleasure didn't bring me pleasure anymore. Often, the most routine tasks, like finishing a pset, became paralyzingly overwhelming. At other times, I felt desensitized to stress, like the main character from *Office Space* who is permanently stuck in a hypnotic state. I felt numb to things that actually kind of mattered, like graduating or finding a job. On top of this, I felt guilty, too: that I was disappointing my parents, not living up to my MIT education, and even letting down my younger self.

I was taking 21M.013, "The Supernatural in Music, Literature, and Culture," and we read the story of Faust. The devil tried tempting him with everything — fame, fortune, money, power, intellect — but he was never actually happy. It made me realize that all the things I'd valued ultimately left me feeling empty inside.

One night in my senior year, it got so bad that I jumped off a bridge. Growing up, I had done some cliff jumping, and I was pretty sure it was safe. I had scoped it out the summer before with a friend, and we went down in the water as deep as we could to check it was clear.

I had been thinking about jumping off for a long time. When I did it, it was spur-of-the-moment. I was kind of apathetic, and I just wanted to feel something. Because it was a really warm day in the spring, I didn't think about the temperature of the water. Fortunately, I'm a strong swimmer. Otherwise, I'd have died of hypothermia. By the time I got to the shore, I was a mess. I had numb limbs, slurred speech, tunnel vision, and had stopped shivering, which is a very bad sign. In retrospect, it wasn't a very smart thing to do, and it didn't help anyway.

I graduated MIT in 2010, in mechanical engineering. At that point I was pretty burnt out, but my momentum from good grades and other memes carried me across the finish line.



COURTESY OF DANIEL JACKSON

One of my friends offered me a job at Booz Allen Hamilton. I wasn't super happy there, so I took the first opportunity I had to leave. I went to work with one of my old professors, who was starting a university in Russia. I wasn't happy there either, and I was like, "Maybe I'd like to do research." So I came back to MIT and joined a research group, but that wasn't my thing either. I took a year off and worked for some startups — all these world-class opportunities that some people would probably kill for. But I still wasn't happy, and that's when I realized it wasn't the external things.

So I took a year off, dropped all my responsibilities, and I started practicing yoga. I did a yoga teacher-training program, and I became really interested in Buddhist philosophy. I started attending the Cambridge Insight Meditation Center.

I was raised Catholic, and one of the things you hear is, "You're created in God's image." There are many different ways of interpreting it, but one way I heard at a Bible study group was that it's like a glove with a God-shaped void inside. I feel that void, but I'm not sure it's God that fills it.

One of my Christian friends at yoga suggested reading the Bible but replacing every instance of *God* and *Jesus* with the word *love*. So what fills the void is being part of loving and supportive relationships. You see that the people who are into their faith are the ones who are part of a community. As an atheist, which a lot of MIT is, it's really easy to be like, "God doesn't even exist, how could God fill the emptiness?" They don't see that to these people God is a loving and supportive relationship, most especially with themselves, and also with others.

Even if you have that insight, you can't just snap your fingers and make it happen. Since coming back, I've sought a community at MIT with those loving and supportive relationships. I never found it here, but I found it through meditation, through yoga, and other friends outside of MIT.

In my judgment, a lot of people at MIT are lacking this fundamental human need of connection, of fellowship, of companionship, but they're completely unaware of it. The easiest way to be unaware of something is to distract yourself. MIT is a built-in distraction.

MIT is like this giant monster. Every single individual you interact with is helping you to fight it: all of your peers, all your professors, even the administration. It's not just MIT. MIT epitomizes American values. MIT is meritocracy, which is institutionalized success and achievement. If you question that, and wonder if these things are vices, very few people would agree.

Now I'm back in the Mechanical Engineering department in a medical device lab. My passion and interest lies in this space. I plan on finishing my thesis this semester for my master's and continuing on for a PhD.

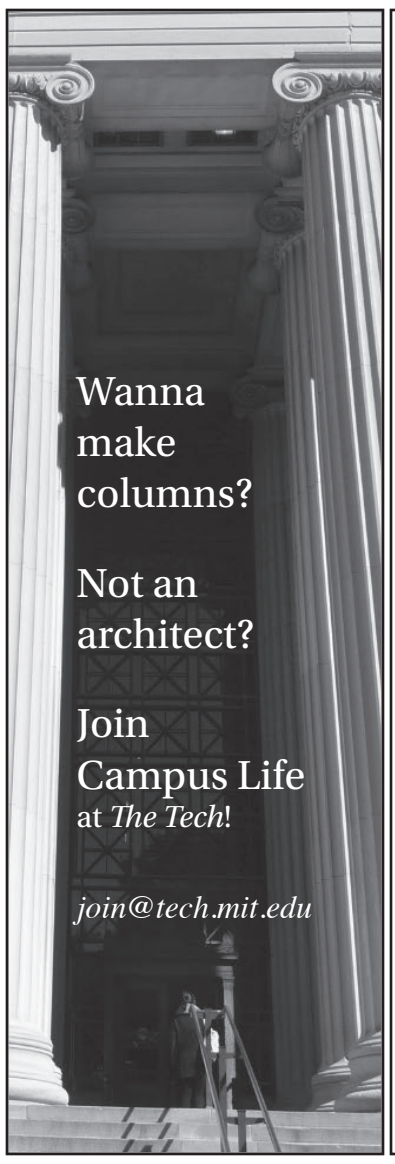
I had a conversation with a friend last night. He used this term, which I really liked. He said, "We're in a small group of engineers whose hearts have softened." He's going through the same struggles I am.

Tylor Hess is a graduate student in the Department of Mechanical Engineering.

This project is supported by the Undergraduate Association's Committee on Student Support and Wellness, chaired by Tamar Weseley '17 and Alice Zielinski '16. To participate in the project, or to learn more, contact ResilienceProject@mit.edu.

There are many ways to find help. Members of the MIT community can access support resources at together.mit.edu. To access support through MIT Medical's Mental Health & Counseling Service, please call (617) 253-2916 or visit medical.mit.edu.

Image and text copyright Daniel Jackson, 2016.



Do you like MIT hacks?
Do you like graphic novels?
Are you a mammal?

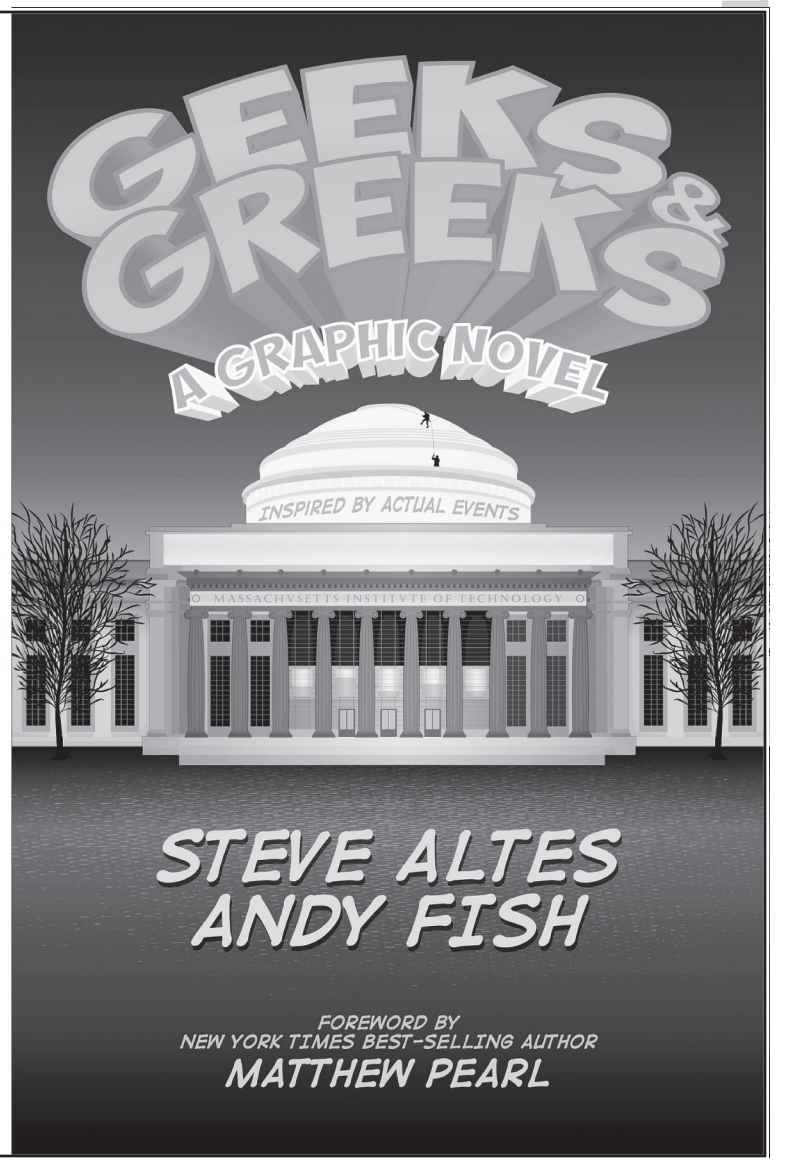
If you answered "yes" to any of these questions you belong at: ***Geeks & Greeks: The Making of an Epic Graphic Novel about MIT Hacks***

Wed, March 9, 4:00 - 5:30 pm, Room 10-250

Featuring *Geeks & Greeks* writer Steve Altes (MIT '84) and illustrator Andy Fish.

Sponsored by the de Florez Fund for Humor and the Technology and Policy Program.

Steve Altes, whose career spans engineering and entertainment, based his story on many actual events and hacks. This fun talk will feature humorous stories from his 30-year odyssey to get this story told as well as a behind-the-scenes look at pitching Hollywood, crowdfunding, and the graphic novel creation process.



Agreement's core points include ethics committee

FFMIT still supports divestment, though Institute has not reconsidered its position

Sit-in, from Page 1

ity] as a requirement because the technology doesn't exist to do that yet. [FFMIT's] real contribution was to say: No, you don't have to make that a requirement."

"That's the importance of these updates from the Office of Sustainability," Mascoop explained, "because when [carbon neutrality] does become an achievable goal, then MIT should commit… If it's now an aspiration, it's an aspiration that will be reviewed enthusiastically and in detail."

"MIT will commit," Zuber agreed.

Zuber explained some of the limits that MIT will face in reaching carbon neutrality, namely the available technology and funds. On the latter issue, she assured that "we are not cutting back on financial aid or anything else that is important to our students."

A second point of agreement between FFMIT and the VPR office resulted in a "new climate action advisory committee" which will "provide advice to identify, develop, and publish engagement strategies and benchmarks," as well as a forum, to be convened by Zuber, "to explore ethical dimensions of the climate issue."

Notably, the VPR office has chosen to maintain "the path of engagement [with fossil fuel corporations] as a way of advancing progress on climate change," meaning that the first goal of the sit-in, divestment from fossil fuel companies, has not been met.

"MIT did not divest from fossil fuels because engagement with industries will enable progress to be made more quickly," Zuber asserted. "We agree that we disagree [with FFMIT]. The idea of shareholder responsibility is something we consider important. It's not just a climate change issue. It's not part of this discussion because it is broader."

Asked what precedence suggests that engagement without divestment will be the most effective path, Zuber replied that there's a "long history of MIT working with industry [and accomplishing] a great deal," especially in the "growth of the western world economy." She also cited joint achievements in the biomedical field, such as the human genome project.

Transparency and free sharing of information is key, said Zuber, who emphasized that the MIT community will have input in deciding the benchmarks of engagement, and that the progress and performance of the Climate Action Plan will be published by her office on an annual basis. She hopes to make use of MIT's extensive resources and turn the "campus into a laboratory," and that the data that MIT collects will act as an "inspiration and guidance for others."

Zuber said that MIT's implementation of the Climate Action Plan could serve as a model for the countries who committed to the 2°C goal at Paris climate change conference. "I bet you that not all those countries know how to get there," she said, adding that Janos Paztor, the former Assistant Secretary General on Climate Change to the UN, has expressed his interest in sharing the results and recommendations with other countries.

Zuber has already begun to gather faculty members for the forum on the ethical considerations of climate change. Previously, her office held a divestment debate which "members of fossil fuel companies" praised as helping them to understand "what young people are thinking" on the issue. The goal, Zuber says, is to "put MIT out there that it isn't afraid to ask hard questions in respectful ways."

Asked how MIT deals with companies who have engaged or are currently engaging in spreading disinformation on climate change, Zuber replied that MIT takes the "transmission of accurate information" very seriously, with each case being dealt with individually: there is no cut and dry procedure. "MIT makes decisions on engaging and disengaging on a regular basis," Zuber added, "and we do not broadcast them to the world."

What is being broadcast, Mascoop said, "is the real tackling of ethical issues."

FFMIT will be involved in the new climate action advisory committee, as will many other members of the MIT community.

"To be clear, Fossil Free still supports divestment," Mascoop asserted. "FFMIT doesn't see divestment as incompatible with the engagement plan… there are plenty of other places to be enthusiastic and work towards. That's why we're here. It's enthusiasm over this committee and its transparency."

The next steps for FFMIT, Mascoop said, are to work together with the VPR office on the four points delineated in the joint statement. He optimistically promoted "moving on beyond the original points of the [Climate Action Plan] and the sit-in."

For FFMIT members, the sit-in has been both "exhausting and energizing." The dedication of members and non-members alike "shows that [the MIT community is] really committed" to campaigning for campus sustainability, Knopf said.

Making the decision to end the sit-in and approve the agreement involved an elaborate process in order to reach a consensus among the diverse viewpoints of FFMIT members, Knopf and Poindexter said.

Through emails and general meetings in the preceding days, FFMIT members not involved in negotiations were aware that an end to the sit-in was approaching, and many gathered toward the end of the sit-in to enjoy celebratory cake.

Stephanie Chin '18, a member of FFMIT who attended the first meeting with Zuber, confirmed that there was general consensus among members that the agreement was "sufficient progress with the administration to continue to the next stage" of FFMIT's long-term campaign.

News of the end of the sit-in may come as a surprise to some, especially those who read The Boston Globe's article on the sit-in. Published the day the sit-in ended, the article declared that "MIT fossil fuel protesters settle in for the long haul."

Many of the sit-in signs and slogans directly called upon President Reif to meet their demands. President Reif was "integral in the outcome," Zuber said. "He was very concerned about the well being of the students and also supportive of their desire to express their concerns to push us to more ambitious action."

Some features of the Climate Action Plan are already being implemented, Zuber said. Two of the eight Low-Carbon Energy Centers are being established, and the Environmental Sustainability Initiative is actively engaging people to improve campus sustainability. And Tom Kiley, a new addition to the Zuber office, has been tasked full-time with implementing the plan.

The Environment and Sustainability degree outlined in the plan will be a minor, according to Zuber, who said that the course was "under development," with no clear timeline in sight. The degree will involve entirely new courses, she clarified, and will be interdisciplinary, with the EAPS and Civil and Environmental Engineering departments taking lead.

"We hope to not be satisfied with our progress," Zuber said, in line with the plan to ceaselessly re-evaluate aspirations and plans of action as MIT continues to achieve greater heights of technological capabilities.

"There's a lot of work ahead of us," Knopf said.

The 2016 Karl Taylor Compton Lecture

"DEMOGRAPHIC CHANGE AND ECONOMIC WELL-BEING: THE ROLE OF FISCAL POLICY"

CHRISTINE LAGARDE

Managing Director
International Monetary Fund

FRIDAY, MARCH 4, 2016
4:00 PM
KRESGE AUDITORIUM, BUILDING W16

All members of the MIT community are invited.

COMPTON LECTURES

Massachusetts Institute of Technology

PLAYER OF THE MONTH

Okeke aims to break MIT's triple jump record

He placed first in both the long and triple jumps at New England Division III meet

By Souparno Ghosh
SPORTS EDITOR

Arinze C. Okeke '18 won individual golds in the triple and long jumps at the recently-concluded New England Division III Indoor Championships and is in line to represent MIT at the NCAA Division III national meet. Okeke has taken major strides since entering the track scene in his high school days. Now he has set his sight on a first-place finish at the national meet.

The Tech's February player of the month opens up about what it takes to get better at jumping, how he motivates himself, and his love for anime.

The Tech: Congratulations on first-place finishes in both the triple and long jumps in the New England Division III meet and on qualifying for the NCAA Division III Nationals. How does it feel?

Okeke: I am pretty excited. It has been my goal since the last season to jump over seven meters. My triple jump goal has not been reached yet but I feel that the nationals will be a perfect place to achieve that. I am aiming for first place and the school record. Currently my best is 14.79m but I would like to break the school records for both indoor (15.04m) and outdoor (15.13m) seasons.

The Tech: Have you always been a triple and a long jumper?

Okeke: I started track in high school and I was not as good back then. I started as a sprinter and jumper. My long jump was at 15ft and triple jump was at 32ft. After my first year in high school my coach kept me on the triple jump team but took me out of the long jump team. After I had improved at triple jump, I was added back to the long jump roster during my junior year.

The Tech: How does one improve at jumping, triple or long?

Okeke: The two key components are speed and power. If you have poor speed but good power you will not travel well horizontally. On the other hand, if you have good speed but no power you will not have as much air time. Here we train for both hand-in-hand. We do both Olympic lifts and sprint drills to work on our power and speed.

The Tech: You compete in both indoor and outdoor track. What is the difference between the two?

Okeke: For jumps there is not a whole lot of difference between indoor and outdoor besides the wind. If the wind is at your back, you might want to back up a bit so you do not foul as you are about to jump. If it is flowing toward you, maybe move up a little or just wait for the wind to die down.

The Tech: Is there such a thing as a favorite track? Are there tracks you prefer more than others?

Okeke: I really like competing at home. It is where we practice so there is a lot of familiarity.

The Boston University track is pretty good. That track is springy. When you are doing a triple jump you should stay vertical throughout. If you lean back, your leg is in front of you and then you are braking instead of pushing forward and that can hurt on a hard track as opposed to a springy track. So those would be my two favorite tracks.

The Tech: What is your goal for the NCAA Division III National meet?

Okeke: I am aiming for first place in triple jump. The long jump is more competitive. My goal for that event is to score as many points as I can, which requires finishing in the top eight. At the last national outdoor meet I was in eighth place and I got run down, and pushed out of scoring to 9th place, by the person who was behind me. Incidentally, he is currently ranked No. 1 in triple jump, so I am excited to compete against him. I am using that as my motivation.

The Tech: What do you like to do off the track?

Okeke: I am a Course 20 major. I am minoring in chemistry and maybe mechanical engineering or Japanese. For the Japanese minor you need six language classes and two cultural classes. I will definitely take the six language classes. My interest in Japanese stems from my love for anime since I was in middle school. So I thought it will be cool to learn the language. I am going to Japan this summer through the MISTI program and I am really looking forward to that experience.

The Tech: Today is the leap day of this leap year. You clearly love to jump. What makes jumping so appealing?

Okeke: I love jumping. It is something I do well enough to be able to compete. It is like some video games. You know how the game goes but you keep trying to get a better score each time you play. So I like that I can compete against myself as well as compete against other athletes. The other jumpers at MIT are also amazing and therefore we constantly keep motivating each other to do better.

The Tech: Thank you for your time and all the best for the national meet!

Okeke: Thank you.

Editor's note: This interview was edited for clarity and brevity. You can nominate your teammate or friend for Player of the Month at sports@the-tech.mit.edu.

Men's basketball edged in close NEWMAC final

Babson Beavers pulled away late after 11 lead changes to defeat the Engineers 81–69

By Phil Hess
DAPER STAFF

In a game that saw 11 lead changes and seven ties, No. 3 seeded-MIT put up a fight against No. 1 seed Babson College in the championship game of the 2016 New England Women's and Men's Athletic Conference (NEWMAC) men's basketball tournament. The Beavers managed to pull away late in the second half, however, and claimed the championship with an 81-69 victory. Junior Joey Flannery was named the tournament MVP and scored 24 points to lead Babson. Justin Pedley '16 led MIT with 23 points.

It was a game of back-and-forth in the first half as neither team could gain a clear advantage. MIT (20-7) jumped out to an early 7-2 lead on the strength of a three from Ryan Frankel '16. Babson (21-5) came back to tie the game at 9-all on a three-point play from Flannery four minutes in, and it remained close for the rest of the half.

A pair of threes from Pedley, who had 20 points in the half, pushed the Engineers to a 17-9 lead, but the Beavers were back even again at the midway point of the half when sophomore Nick Comenale scored eight straight points to knot things up at 22-all. Babson managed to grab its first lead of the half in the final seven and a half minutes, but lost it for good soon after the 2:30 mark. Junior Sam Bohmiller hit both free throws for a 39-37 Babson lead, but Pedley then closed out his outstanding half, draining two threes in the remaining 1:30 for the final points of the half and a 43-39 MIT lead.

MIT scored the first four points of the second half to extend its lead to eight points, but Flannery scored the first eight points of the half for Babson to spark his team, and with 16:11 left, a basket by junior Isaiah Nelson had the Beavers back in the lead at 52-51. From then on, the game again went back-and-forth, with neither team being able to pull ahead.

With 8:23 left, Lampros Tsontzos '16 hit on a layup that had MIT within one at 61-60, but from there the Engineers' offense struggled to hit shots and collected only three more field goals the rest of the game. Babson took advantage and outscored the Engineers, 15-5, over a five and a half minute span to take control of the contest.

With 1:05 left, Flannery was fouled and sank a pair of free throws that brought the score to 76-65. The Beavers went on to hit on 5-of-6 free throws in the last minute to ice the win and capture their second straight NEWMAC crown and the automatic NCAA bid that goes with it.

Bradley Jomard '19 was the only other player in double figures for MIT, finishing with a double-double of 16 points and 10 rebounds to go with three assists and three blocks. Nelson also recorded a double-double for Babson, finishing with 20 points and 16 boards, helping the Beavers to a 45-32 edge on the boards. Flannery had seven rebounds for Babson, as did Comenale who finished with 18 points.

Is there anyone you want to shadow for **24 hours**?

We're looking for writers to follow someone around for one day and write about it!

It's a great way to **make connections** on campus!

Join **Campus Life @ The Tech**!

E-mail join@tech.mit.edu

RUSH

FENWAY HOUSE

Interested in moving off campus into Boston?
Come check out Fenway House!

We're a co-ed independent living group with around 20 members, sharing a unique five-story brownstone.

Come take a tour and meet us at our house dinner...
Saturday March 5

Or pancake brunch!!!
Sunday March 13, 11:30am-1:30pm

34 Fenway, Boston MA 02215
Or email us at fenway-rush@mit.edu for more information!

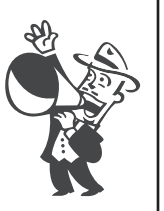
CUSTOM PRINTED & EMBROIDERED

T-SHIRTS

SWEATSHIRTS - POLOS - HATS & MORE!

- Deal Direct - NO Middlemen!
- Great Pricing & Free Delivery*
- Traditional Screenprinting
- Full Color Digital Printing
- Embroidery

*Cambridge & Boston Area



ph - 617-625-3335
email - info@qrsts.com
www.qrsts.com
Somerville, MA

VISA MasterCard

QRST's
Printing - Embroidery and More...
part of R.A.W. (Rinnigade Art Works)

FLY FROM BOSTON ON THE ULTIMATE ADVENTURE WITH ISRAELIS ON THIS SUMMER'S BIRTHRIGHT ISRAEL: SHORASHIM MIT, WELLESLEY, + BOSTON COMMUNITY FRIENDS EXPERIENCE!

APPLY NOW @ ISRAELWITHISRAELIS.COM/MITSIGNUP

TAGLIT · תגלית
BIRTHRIGHT ISRAEL

SHORASHIM שורשים

JEWISH NATIONAL FUND

cjp

MIT | Hillel

THIS TRIP IS A GIFT FROM BIRTHRIGHT ISRAEL • #BIRTHRIGHT #SHORASHIM

CONTACT SHOSHANA GIBBOR: (848) 992-7374 I BIRTHRIGHT@MIT.EDU