Burst pipe causes another flood in New House

A steam burst pipe in the stairwell of New House’s House 6 Monday, causing a flood on the first floor and part of the large, ground-floor hallway connecting New House’s six houses. At around 10:45 p.m., an email to the list nhh-forum told students to “evacuate now via House 5 staircase, not a drill.” A “provisional” all-clear was given at 1:03 p.m.

A New House community member was injured as a result of the burst. According to an email sent by New House Vice President Alexa M. Garcia ’17, the individual “suffered minor burns,” but “has been medically attended to, and is fine now.”

“We are aware that this re- pair process has been a grand

President Alexa M. Garcia ’17, the individual “suffered minor burns,” but “has been medically attended to, and is fine now.”

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IN SHORT

Veteran’s Day will be observed as an Institute holiday next Wednesday, Nov. 11.

Drop date is Wednesday Nov. 18. Students wishing to drop classes are invited to work with are invited to work with

Media Lab celebrates 30th anniversary with star- studded symposium

The MIT Media Lab convened Nobel prize laureates, celebrities, and renowned academicians for its 30th anniversary celebration last Friday.

Former United Nations Sec- retary General and Nobel Peace Prize winner Kofi Annan SM ’72, White House chief technology offi- cier Megan Smith ’86, Harvard psy- chologist and linguist Steven Pink- er, MIT Media Lab co-founder Nicholas Negroponte, Media Lab director Joi Ito, and President L. Rafael Reif all spoke at the symposium held in Kresge Auditorium.

Magicians Penn and Teller and radio host Bob Rivers co-hosted the event. Surprise guest Mar- thia Stewart participated in a magic

Construction at Bexley site projected to finish in a month

The park currently under con- struction at the site of the now- demolished Bedley Hall (Build- ing W13) will not be completed until the end of November, one month after the original target date.

The work, originally sched- uled to be finished during Octo- ber, was delayed due to several factors. According to Director of Projects Azne Abrashom, it took longer than expected to prepare the building for demolition and to remove demolition rubble from the site.

Additionally, while excavat- ing the site, construction teams discovered that the drainage was in poor condition and required redesign.

Construction teams did not operate during the Solve con- ference, which further delayed progress.

The plans for the park have not changed since they were re- vealed this past summer. Once complete, the park will feature a rain garden, walkways and benches, space for installations by various departments and groups on campus, and even some pieces of the former Bedley Hall, such as its stone entrance archway, which will become a bench.

—Emma Bingham

MIT.nano, new Bldg. 12, projected to complete on schedule in 2018

Building to double amount of clean room space on campus and house vibration-sensitive, state-of-the-art equipment

By Vivian Zhong

As of last week, the shurry wall had just been completed, and workers were preparing to install the cap beam and build a concrete dia- phragm wall.

The engineering that has gone into the construction of MITnano is extensive, Bulovic says, in order to support the research that will take place there. In addition to doubling the current cleanroom capacity on campus, MITnano will feature an extremely low-vibration basement level that will host the most delicate

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Absorbers for the basement level. These will maintain the necessary, stable environment inside the building no matter what the conditions outside, which required "tremendous feats of engineering," Bulovic said.

He compared the building to "an amazing watch, with a whole bunch of gears that need to work just right." The facility will be essentially open to everyone, said Bulovic. Startups and corporations, whether local or from across the country, will be invited to apply for access to the various facilities after a training and certification process. There are no plans to house permanent labs in MIT.nano or to hire any additional faculty; the new spaces will be shared by existing faculty and labs. Bulovic estimates that the facilities will be used for imaging two-thirds of the time and for synthesizing physical shapes the rest of the time. He expects about half of faculty to use the new cleanrooms, with two-thirds from the school of engineering.

MIT.nano will be open to undergraduate students. There are plans for undergraduate chemistry teaching labs in the basement, as well as for the cleanrooms to be used as teaching spaces. In order to maintain the integrity of the research conducted in the cleanrooms, MIT.nano will use monitoring systems that automatically increase the rate of air cycling in the rooms if higher use or occupancy is sensed. MIT.nano is designed to put MIT ahead of its peers in the field of nanotechnology for the next few decades. In fact, Bulovic hopes that the world of 2030 will be happy to have this facility. "The building was designed so that it can operate at a higher level than we choose to operate it."

Bulovic is not concerned that public interest in nanotechnology is waning. However, he noted that the time it takes for a discovery to go from research idea to consumer product is an issue worth tackling. MIT.nano will do its share to accelerate the process from lab research to real world product by hosting prototyping spaces on the upper floors of the building where anyone can go to share their ideas and create immediately applicable nanotech inventions. MIT.nano has been in the works since the early 2000s. Bulovic and his colleagues recognized that the Institute needed better equipment to conduct the desired level of research. According to Bulovic, the initial proposal was met with nearly unanimous approval.

For both Bulovic and Wanat, working on the MIT.nano project is "part of [a] mission" to make the campus "a much more effective place for all of us to be more productive ... meeting the needs of the social structure of the campus that engages ... our everyday research."

To ensure that the new building is properly incorporated into the rest of campus, hacking will be allowed in the new building — as long as, Bulovic cautions, it’s done safely.

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MIT APPLICATION ESSAYS THAT WORKED

‘I’m like a moth to the flame when it comes to the hustle and bustle of Silicon Valley’

This is part of a series of MIT application essays submitted by students who were later admitted to the Institute. The following prompts are from the 2014-15 admissions season.

Prompt

We know you lead a busy life, full of activities, many of which are required of you. Tell us about something you do for the pleasure of it. (100 words or fewer)

Response

My blog, Northern, is truly a labor of love. At first, Northern consisted of incredibly random posts and photographs, but it has evolved into a creative outlet where I’m able to express myself through the elegant lines of crisp photos. To me, Northern represents a place with no restrictions or limits, where I can post freely without any outside influences and just be myself. I love how as I change, Northern changes with me. When I scroll through my blog, I feel a sense of calm only comparable to a cool ocean breeze. Northern reflects a cool, quiet rhythm of my hometown, Woodside. Growing up within these completely opposite environments has resulted in my deep appreciation for both cultures.

Perhaps inevitably, living within a twenty mile radius of the Google, Facebook, and Apple campuses taught me to love technology and to admire the staggering influence that it has in our constantly evolving world. I’m like a moth to the flame when it comes to the hustle and bustle of Silicon Valley, and I dream about the day I’ll be able to become a part of it.

On the other hand, my upbringing in Woodside taught me to value close and personal relationships. For example, at our local grocery store, I know all the employees by name. On top of that, my preschool teacher still comes over for dinner once a month. This close-knit community that I grew up in instilled in me a love of interacting with people that will stay with me for a lifetime.

Oddly enough, these contrasting cultures are what inspired my dreams to become a computer scientist. Computer science combines three of my favorite things: people, collaboration and technology, while simultaneously allowing me to thrive in an atmosphere of creativity and endless possibilities. In the end, it’s the personal connections that allow a group to thrive. I’ve grown so much already, but I don’t doubt that leadership will continue to teach me more than I can even imagine.

Prompt

Describe the world you come from; for example, your family, clubs, school, community, city, or town. How has that world shaped your dreams and aspirations? (200–250 words)

Response

For my entire life, I’ve lived on a peculiar border between the high-tech, fast-paced world of Silicon Valley and the rural, quiet rhythm of my hometown, Woodside. Growing up within these completely opposite environments has resulted in my deep appreciation for both cultures.

Perhaps inevitably, living within a twenty mile radius of the Google, Facebook, and Apple campuses taught me to love technology and to admire the staggering influence that it has in our constantly evolving world. I’m like a moth to the flame when it comes to the hustle and bustle of Silicon Valley, and I dream about the day I’ll be able to become a part of it.

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Oddly enough, these contrasting cultures are what inspired my dreams to become a computer scientist. Computer science combines three of my favorite things: people, collaboration and technology, while simultaneously allowing me to thrive in an atmosphere of creativity and endless possibilities. In the end, it’s incredible that this strange juxtaposition of cultures that I grew up in was able to flawlessly combine into something unexpected, yet beautiful.
Why is a supporter of the 9/11 attacks being hosted at MIT?
We’re being used

By Isabel Silberman

Economists shape public policies and define the lives of each and every one of us, it seems right to discuss them in the public space. But in the space, an important component is often left out — a base in economic realities. Non-professional fields, such as medicine, and apply their values to options laid out by economists, whereas promoting a speaker who supports terrorism is far from a foreign concept here at MIT, which embodies these values, whereas promoting a speaker who supports terrorism could not be more contrary to our mission. If this speaker is sympathetic to MIT, who is even attending this talk? According to Gilbert’s illegitimate, dangerous beliefs, allowing this event to be lend implicit support of those beliefs. It lends legitimacy. In that way, this event is an affront to the memories of Officer Sean Collier and Daniel Lewin, who expressed opinions disagreed with the editorial. Since economic policies shape the lives of the general public with baseless economic realities. Non-terrorists who have spent over 150 years building this line of duty right here on campus. This is two and a half years after the Boston Marathon bombing and the killing of MIT Police Officer Sean Collier, how could we possibly welcome a man who praises 9/11 on our campus? Clearly, some members of our community have forgotten that terror is far from a concept discussed here at MIT, let alone to the families and friends of over 3,000 innocent people from over 90 nations killed on 9/11.

The MIT Police are being required to provide protection for an event promoting a speaker who supports terrorism.

The MIT Police mission statement ends with the following: “We seek to develop in each member of the MIT community the ability and passion to work wisely, creatively, and effectively for the betterment of humanity and mankind. ‘Danny Lewin Square’ at the corner of Vas- sar and Massachusetts Avenue will host Dr. Mads Gilbert, a Norwegian physician and politician who openly supports terrorist organizations will host Dr. Mads Gilbert, a Norwegian physician and politician who openly supports the burden of baseless economic realities. Non-professional fields, such as medicine, and support politics. Instead, the general public need not and should not approach economists, whereas promoting a speaker who supports terrorism is far from a foreign concept here at MIT, which embodies these values, whereas promoting a speaker who supports terrorism was in reference to coal and tar sands companies, not fossil fuel companies in general.

A news article published last Thursday on Fossil Free MIT’s site in outside President L. Rafael Reif’s office failed to properly contextualize the statement by Daniel MacAskill that “the business model of these companies needs to be to eliminate themselves.” The statement was in reference to coal and tar sands companies, not fossil fuel companies in general.

Economists, Page 5

To REACH US
The Tech’s telephone number is (48) 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 forwarded to the appropriate person. If you are sending an email to an editor in chief by email at editor@tech.mit.edu. Please send press releases, requests for coverage, and information about events 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.
How ignoring economists hurts the public

Politicians are catering to misguided constituents

Economists, from Page 4

Informed general public opposes the deal, it is not gaining widespread political support.

One might argue that if the case for free trade were so compelling, then it could be explained to the public. Although education schemes are certainly laudable, they would not address the underlying issue: engagement between economists and the public is fundamentally flawed.

As with any professional field, a significant amount of education and time is required to form well-grounded opinions on economic issues. However, unlike in many other such fields, the public is often disinclined to accept the opinions of professional economists. For example, many people recognize the harm that may come from a baseless belief in the medical sciences, such as the measles epidemic that has broken out from the scientifically unfounded conviction that vaccines cause autism. In contrast, many will accept the opinion of a member of the general public who argues against free trade, and they will not recognize the harm that could come from accepting such a belief: the loss of hundreds of billions of dollars in economic value.

Despite the fact that it could lead to massive economic gains for all nations involved, the Trans-Pacific Partnership might not pass through Congress.

A change in the nature of the public’s relationship with economics needs to occur. Society must treat economics more like other professional fields and recognize that expert consensus opinions deserve much more weight in policymaking. This is not to say that members of the public should be excluded from engagement with economic issues. After all, economic policy affects the general public in profound ways, just as a medical procedure can profoundly affect the life of a patient. Both deserve a say. However, the general public should be using their values to create new economic “theory,” just as it is not productive for people without medical training to propose new medical procedures. Rather, members of the public can most effectively use their values to choose among the often-difficult choices that economic realities present. This same maxim applies to politicians as well. Rather than espousing claims that align with popular beliefs, such as the common claim among some conservatives like Rand Paul that a gold standard will increase monetary stability, politicians should focus on serious solutions to real economic problems. For example, economists may conclude that there is a trade-off between income equality and growth. After accepting this fact, members of the public and the politicians that represent them could use their values systems to determine what they believe is the most appropriate trade-off.

Bringing about this change in the relationship between economists and the general public will require substantial effort in both the political and public sphere. The general public has only limited trust in economists. The aforementioned Duke paper showed that less than 1 percent of the general public trusts economists “a great deal” and a mere 59 percent express any confidence in them at all. This compares to a Pew study showing that 17 percent of the public trusts the medical establishment “a great deal” and that 97 percent of the public has at least some confidence in it. Economics affects individuals personally and often dramatically, yet it too is a professional discipline. Treating it as such, and thoughtfully applying our personal values to options laid out by experts, is the only way to reach policy that accounts for all who have a stake.

Daniel Perry is a member of the Class of 2019.

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William Siebert, EECS professor emeritus, dies at 89
Siebert, an expert in long-range radar, helped shape EECS undergraduate curriculum

By Department of Electrical Engineering and Computer Science

Professor Emeritus William M. Siebert passed away Sunday, Oct. 25, at Emerson Hospital in Concord, Massachusetts, at the age of 89. Siebert, the Ford Professor of Engineering emeritus, was widely known for his contributions to long-range radar, and for his dedication to undergraduate teaching.

As the leader of the Radar Techniques Group at MIT Lincoln Laboratory in the early 1950s, Siebert produced the first system capable of simultaneously measuring a target’s range and velocity. This work would earn him the 1988 IEEE Aerospace and Electronic Systems Society Pioneer Award for “contributions to pulse-compression techniques for radar systems.” Born in Pittsburgh in 1925, Siebert joined the MIT faculty after completing his B.S. in 1946 and his ScD in 1952, both at MIT. In later years, his research used signal processing and communications system theory to understand the human ear through modeling the auditory system at the neural level. He was also interested in the pedagogical implications of using computer science for engineering teaching.

Siebert’s colleagues remember him as a popular lecturer who was devoted to his teaching. His 1985 textbook, "Circuits, Signals, and Systems," based on his decades of experience teaching introductory signals and systems courses, is now considered a standard in undergraduate teaching.

Siebert also worked to expand the depth and breadth of the EECS undergraduate curriculum. As computer science grew as a specialization within the Department of Electrical Engineering and Computer Science (EECS) throughout the 1970s and 1980s, it became increasingly difficult to fit the all of the necessary material into the undergraduate curriculum. Siebert envisioned a fifth-year master’s program that would allow students intending to work as engineers to gain all of the necessary technical expertise, without sacrificing common core requirements. His vision informed the creation of EECS’s MEng program, and throughout the 1990s he served on the curriculum committee that designed the program.

"Professor Siebert played an important role in shaping the department’s undergraduate curriculum," said Anantha Chandrakasan, head of EECS and the Joseph F. and Nancy P. Keithley Professor of Electrical Engineering. "He will be greatly missed by the many students, colleagues, and friends whose lives he impacted during his decades at MIT."

Siebert was a Fellow of the IEEE, and was the Ford Professor of Engineering from 1984-1994. He retired from MIT in 2000 after teaching as a senior lecturer for several years. He is survived by four children and eight grandchildren. For service information and an obituary visit deefuneralhome.com.

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November 18, 2015

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School of Science contact: Tom Fisher, x3-8900, fishert@mit.edu
Throughout the play, the witches act as an active chorus, standing on the ground and commenting on the action. Meanwhile, Macbeth and the other lead characters step over the witches as if they were not there. Occasionally, some witches will pick themselves off the ground, shedding their rags to reveal the costume of a herald or noble. Again, the main characters remain unaware of the witches’ transformations. The onstage efforts of Noelle Colant ’17 (set design) and Jacob Gunther ’16 (set design) help draw the audience into the witches’ deception. The dim, shifting lights and ground-level stage blur the lines between the performers and the spectators. The chief witch, caked in grey makeup, sits near the audience, watching the events play out and occasionally stepping on stage in the guise of a messenger.

In an ironic reversal of the gender roles described in the classic play, which focuses on the role of the witches who promise Macbeth the crown. This past week, I had the privilege of attending the MIT Shakespeare Ensemble’s dress rehearsal for Macbeth. Nothing could be more seasonally appropriate than their beautiful, eerie reinterpretation of the classic play, which focuses on the role of the witches who promise Macbeth the crown. Directed Edward Eaton, a teacher at Massachusetts Bay Community College, describes this version of Macbeth as a “witches’ performance for the main characters, who don’t know their role in the play.” Eaton explained his inspiration as a classic play were actually orchestrated by a cabal of witches? What if the events of Shakespeare’s Macbeth were actually orchestrated by a cabal of witches? None of the guts, Macbeth is truly an unmanipulative. As the play progresses, Weiss brings a convincing madness to the character, even delivering some lines in song. Tally Scully ’19 takes Macbeth’s character through a different type of development, adjusting posture and delivery to transform a spineless husband into a jaded tyrant by the end of the play.

Shakespeare’s original lines remain unaltered, but have been cut and rearranged to frame the play in a more paranormally light. During one scene, Macbeth meets Banquo’s ghost. He struggles to keep his composure while the witches, positing as nobles, deliver their lines with mocking cackles. Some of Macbeth’s lines, usually spoken as an aside, have also been given to the witches. This creates ambiguity as to whether the witches truly exist externally. Some of these subtle changes may be lost on those who haven’t touched Shakespeare since high school. In my case, I made up for a lack of familiarity by following the script on my laptop during the dress rehearsal. For those without laptop access during the play, a quick Wikipedia refresher will enhance the experience, but is certainly not necessary to enjoy the performance.

Like any Shakespearean tragedy, the body count rockets towards the end of the story. However, the MIT Shakespeare Ensemble does a good job of making each death meaningful. Stage sword fighting builds to an unexpected ending, which I won’t spoil here. Although the ending is a little surprising, the twist doesn’t come off cheap or unwarranted. The play’s conclusion arises naturally from the Ensemble’s chosen reinterpretation. The MIT Shakespeare Ensemble’s Macbeth brings a creative retelling to an old classic, while still retaining the tragic elements that made the original great. I encourage you to see it while you’re still at the height of your Halloween spirit. Macbeth will continue to run on Nov. 5, Nov. 6, and Nov. 7 at 8 p.m.
CONCERT REVIEW

An evening of strings with Pinchas Zukerman

Israeli violinist guest-conducts BSO with gusto

Tchaikovsky, Elgar, and Schubert
Boston Symphony Orchestra
Symphony Hall
October 29, 2015

By Ray Wang
Staff Writer

The Boston Symphony Orchestra continued its wide-ranging selection of fall programs with a collection of works by Tchaikovsky, Elgar, and Schubert, featuring guest conductor-violinist Pinchas Zukerman last weekend.

A renowned violinist, Pinchas Zukerman performed as a soloist in Tchaikovsky’s Sérénade mélancolique and Melodie, before conducting for the rest of the evening. I’m a huge fan of Zukerman because of his enthusiasm for instructing younger generations of violinists — it spills over from his incredibly emphatic playing and conducting.

He conducted in a distinctively punctuated style as he led the orchestra through Tchaikovsky’s Serenade for Strings, my favorite work of the program because of its expressivity.

The introduction to Serenade for Strings’ first movement, Andante, is slow and lilting — it plays like an elegy. Then, there comes a section of highly accented and vivacious playing from the violins before the movement ends with a slow, tonally layered coda.

The final movement finishes on many of the themes with which the piece began. The cellos and five double basses are set against the violins, creating a wonderful asymmetry. The piece concludes beautifully with the coda from the first movement.

Edward Elgar, the composer of the next piece, is best known for his Enigma Variations and Pomp and Circumstance marches, the latter of which is played at high school graduations in every corner of the country. A relative rarity, Chanson de la nuit warmly and softly welcomed the appreciative audience back from the intermission.

The program finished with Schubert’s No. 5 in B-Flat, which was rendered nimbly under the able hands of Zukerman. Schubert was an avid admirer of Mozart. Symphony No. 5, composed when Schubert was 19, is well-known to be reflective of his infatuation with the composer.

The piece is scored for only one flute, two oboes, two bassoons, and two horns beyond a string section. With this very sparse instrumentation, the woodwinds are brought out, and they sound as if they’re conversing with each other, like birdsong. But the orchestra lost some of its vivacity in the third movements, even as Zukerman attempted to inject some of his own with foot stomps and powerful strokes.

The BSO’s fall season continues with assistant conductor Ken-David Masur leading a November program featuring pianist Louis Lortie.

Pinchas Zukerman joined the BSO as conductor and soloist for a program of Tchaikovsky, Elgar, and Schubert.
**CONCERT REVIEW**

**Pairing young musicians with young listeners**

Benjamin Zander conducts the Boston Philharmonic Youth Orchestra

By Carolyn Fu

The Boston Philharmonic Youth Orches- tra is a vibrant group of 12- to 21-year-olds who devote their Saturday afternoons to practicing together and putting up roughly three performances a year. Many are currently in college as well, including MIT freshman Jun Liu on the cello. Formed in 2012 as an offshoot of the Boston Philharmonic Orchestra, BPYO aims to provide opportunities for young musicians to grow.

Monday’s performance was a free public event, generously made possible by the Free for All Concert Fund here in Boston. This was the first symphony performance for many in the audience, including more than a hundred students from the Cambridge Rindge and Latin School who had been specifi- cally invited. As such, conductor Benjamin Zander prefaced each piece with a descrip- tion of the composer’s intention and how it compared with other pieces. In adapting to the younger crowd, he obligingly described Debussy’s La Mer as “full of color. OMC!!” He also gave essential concertgoer tips — spe- cifically, a “master class in coughing” (the trick is doing it into your sleeve) and advice against clapping unless anyone else is doing so.

The pieces were thoughtfully chosen for the new listener. Gluck’s Overture to Rinaldo and Laumbini was a short, energetic piece played vivaciously by the orchestra. Next, Stravinsky’s Violin Concerto in D was a good introduction to far more modern and ca- phonous music, which was nevertheless highly rhythmic and inherently danceable.

Guest soloist Ayano Ninomiya [an up-and- coming violinist who studied at Harvard and Juilliard] brought the piece to life, coursing through its technical challenges with incred- ible dexterity and passion. Debussy’s Le Mer followed this piece as a more “fluid” coun- terpoint to the comparatively structured “Selig.” Of Stravinsky, as Zander explained, “Finally Tchaikovsky’s Symphony No. 5 pro- vided a triumphant conclusion.”

Despite the conscious design of the pro- gramme, all put together, it was frankly a rather tiring affair. This was mainly because of the high-octane nature of all of the pieces, which the orchestra played with satisfying pomp and vigor. However, the conducting left distinctly over-energized, as if Zander was fearful of losing his new audience’s atten- tion, and so proceeded to rush through the pieces’ slower moments and raise the vol- ume of every climax. As a result, the pieces lost much of their nuanced texture.

Regardless, the evening was a success for the BPYO, especially for those on stage who were having their inaugural orchestra per- formances in the incomparable Symphony Hall, and many audience members whom I saw getting lost in the music and head bang- ing to its moving rhythms. These concerts prove to be a great nexus for emerging musi- cians and listeners, so look forward to their upcoming concerts in February and May next year!

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**CONCERT REVIEW**

**Cold War Kids at the House of Blues**

Non-stop dancing, a little bit of over-the-top yelling, and an overall amazing night

By Judy Wang

Given that this was my first time at the Boston House of Blues, I was under- whelmed by the grimy building and the barely filled general admission section. Was this really the iconic Boston venue that I settled into an optimal standing spot several feet away from center stage, where the first opener, Kinsey and the Dearland Strangers, began performing. This time, the House of Blues did not seem as dark and gross as it did before; var- ies depending on the venue, the already riled-up audience exploded. The setlist followed this back and forth pattern of songs back in the “good ol’ Mulberry Street” time and recent fans of the band, especially due to the well-picked setlist and the band’s seemingly never ending energy. After a short 20 minutes of waiting, Nathan Willet, the lead singer, jumped on and immediate- ly went into a throwback track, “Don’t Let Your Love Grow Away From Me” from their first EP, “Your Love Grow Away From Me.” With the remnants of various religious symbols above the stage and the audience reaching to its moving rhythms. These concerts prove to be a great nexus for emerging musicians and listeners, so look forward to their upcoming concerts in February and May next year!

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**Do you have a story to tell?**

**Can you tell a personal story in writing or in an interview?**

The Tech wants to publish stories from the MIT community

Sample topics:

- Experiencing discrimination at MIT
- Choosing between divergent career paths
- Romance at MIT
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Email cl@the-tech.mit.edu with stories or proposals
concerns about their safety and about the stability of the building, according to the Garcia’s email. New House representatives compiled a list of questions to ask administrators, including “Why are the pipes in New House breaking? Will this keep happening? Are we [our belongings and ourselves] safe?” and “What are the options for repairing the pipe system(s) in the building? Is this a permanent fix?”

“New House Executives and [the] MIT Administration share the common goal of ensuring the safety of our New House residents,” Garcia wrote.

—Katherine Nazemi

Pablo Minsky was awarded the trophy. The Media Lab recently developed the first 3D printer to print glass.

A tweet from the Media Lab revealed that upon receiving the award, Minsky said: “What a beautiful thing! What does it do?”

Kofi Annan emphasized the importance of responsibility, saying that “technology does not free us from leadership.”

Smith’s speech discussed contributions women have made to scientific fields, and asked the audience how many of them had heard of the Seneca Falls Declaration. Fewer than a third of the attendees raised their hands.

“I would have never predicted the impact of the Media lab,” Negroponte said. He told the audience to “do the outrageous without justification.” He also identified a brain drain “to start-ups from big problems” and encouraged more people to go into civil service to solve hard problems.

The Media Lab is home to 24 research groups which explore everything from democratizing app development to finding new modes of cooperation for human society.

—Anshuman Pandey

Do you like doodling during class? Are your psets covered with drawings? If so, become a Tech Illustrator!

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Record highs possible Friday

By Vince Agard

The United States’ East Coast has experienced a period of unusual warmth this week. High temperatures in Boston have been in the 50s and 60s (°F) nearly every day for the past week, and we haven’t seen a high temperature below 50°F (10°C) since all the way back on Oct. 25. Normally, temperatures like this are more often observed in the first few days of autumn than in the first few days of November.

The anomalously warm weather will continue for the next two days in advance of a deep low pressure system that is forecast to pass to our north-east. Between now and tomorrow night, New England will be situated in the warm sector of this cyclone, with warm air being swept across the region by southwesterly winds. In Boston, the record high temperature for Nov. 6 is 73°F — a mark that may be equaled or even surpassed tomorrow.

A strong cold front will pass through the area on Friday night, bringing with it the chance of showers, and Knocking temperatures down by roughly 20°F (10 K) by Sunday. While temperatures will be more seasonable, an incoming high pressure system should provide lots of sunshine for the beginning of next week.

Extended Forecast
Today: Mostly sunny, high 72°F (22°C). Winds SW at 5-10 mph.
Tonight: A slight chance of showers, low 59°F (15°C). Winds SW at 5-10 mph.
Tomorrow: Partly cloudy with a chance of evening showers, high 73°F (23°C). Winds SW at 10-15 mph.
Saturday: Mostly sunny, highs in the lower 60s °F (16°C).
Sunday: Sunny, highs in the lower 50s °F (11°C).

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

Lenny, Course 2
Michelle, Course 3
Jiahao, Course 6
Patricia, Course 8
Vivian, Course 9
Amy, Course 10
Vince, Course 12
Fiona, Course 14
Samir, Course 16
Katherine, Course 17
Claire, Course 18
Jack, Course 19
Tara, Course 20
Mirny, Course 21
Karleigh, CMS
Alex, Course 22

We’re everywhere!

It’s Dangerous to Go Alone!

Join this.
**Sudoku**
Solution, page 8

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

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

**Techdoku**
Solution, page 8

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.

```
60× 72× 4×
90× 2 1
120× 21+ 443
90× 10+ 494
12× 21+ 443
```

**Simpsons Spinoffs** by some S.N.
Solution, page 8

**Across**
1 Weaponry
5 National symbols
10 Big cheese
14 Kid-id bear
15 Thorough check
16 Covered in cinders
17 White House spouse who wore Adele Simpson dresses
20 Colender creation
21 Tankard filler
22 Mineral resource
23 Sound of distress
24 Opalescent
25 Covered in cinders
26 Have the look of
27 Meas. of heat
28 Playwright Henley
29 Sound of distress
31 Patsy
32 Makes a case
34 At the center
35 Thorough check
36 Walls Simpson’s husband
39 Volcano-like
40 Indy Jones toppper
41 Camarades
42 Symbol of debt
43 Radial mishap
47 Pen name
50 Bumby’s pet
51 Major draw
52 Subject to skidding
53 The entirety
54 Spending ceiling
56 Neutral shade
57 Valerie Simpson singing partner
61 Monthly with many models
62 Arkansas’ __ National Forest
63 Before
64 Typical Archie Comics character
65 Spa treatments
66 Spa treatment

**Down**
1 Unshakable poise
3 Band aide
5 Need repair
6 Draw
7 Word on dipsticks
8 First action figure
9 Inventory
10 Rule out
11 Milanesian meal
12 Score 72 at Augusta
13 Shale oil, for instance
18 Water under some bridges
19 Equivocate
20 Colender creation
21 Tankard filler
22 Mineral resource
23 Sound of distress
24 Opalescent
25 Covered in cinders
26 Have the look of
27 Meas. of heat
28 Playwright Henley
29 Sound of distress
30 Patsy
31 Patsy
32 Makes a case
33 At the center
34 At the center
35 Thorough check
36 Walls Simpson’s husband
39 Volcano-like
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42 Symbol of debt
43 Radial mishap
47 Pen name
50 Bumby’s pet
51 Major draw
52 Subject to skidding
53 The entirety
54 Spending ceiling
56 Neutral shade
57 Valerie Simpson singing partner
61 Monthly with many models
62 Arkansas’ __ National Forest
63 Before
64 Typical Archie Comics character
65 Spa treatments
66 Spa treatment

**Blow-By-Blow** by Cathy Allis
Solution, page 7

**Across**
1 Become rough
5 It’s south of Samoa
10 Indistinctness
14 Verdi masterwork
15 Cream-colored
16 Welsh form of John
17 START OF A QUESTION FROM B.C.
20 Supreme Court name
21 Telejournalist Dobbs
22 Place for alpacas
23 Source for green eggs
25 Media statistician Silver
27 British broth ingredient
28 English pronunciation
30 Title Columbus held
31 More than half of us all
34 Curb, with “in”
35 Taurus __ __
37 PART 2 OF QUESTION
38 PART 3 OF QUESTION
39 END OF QUESTION
40 Blunder
41 Comic routines
43 Swank biopic
45 Board with a thimbhole
47 Low A
48 Stock villain in Gothic fiction
49 It may be marching
50 Lacteal
53 START OF ANSWER
55 Conspicuous
59 END OF ANSWER
62 Vigor
63 Web-footed mammal
64 Horoscope beast
65 Genetist portrayer in Jurassic World
66 App clientele
67 Sherwood Forest trees

**Down**
1 Crow sounds
2 Jaunty greeting
3 Arabian gulf
4 Brain lobe
5 Idiosyncrasy
6 Egg outlines
7 Proscribed practice
8 Rolling baseball
9 Big name in Objectivism
10 He financed a Clara Bow
documentary
11 Voracious
12 Name on the cover of Wild Horse Mesa
13 Wraps up
18 Irish statesman De Valera
19 Dinette descriptor
24 Ones: Fr.
26 End of Horner’s boast
27 Fashioned
28 Encroach on
29 Possible bridal wear
30 Spring up
34 Puts in
39 Opposite of “rigid”
41 Engender
42 “What was __ think?”
43 Equivocate
44 Hash up
46 Fondness
49 Recycling facility’s machine
50 Shoot out
51 Columbus inspiration
52 The Good Earth character
54 __ Modern (London art gallery)
56 Cost of leaving
57 Depiction on an Emmy
58 Understanding
59 Coltrane’s instrument
60 Fashion plate
Visual checks suggest the cool bird has exited the launch zone. Tip the rocket sideways and resume the countdown—we're gonna go find it!

Human Subjects

After meeting with a few of the subjects, the IRB actually recommended that you stop stressing out so much about safety guidelines.

Giant Techdoku

Solution, page 8

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.
HELLO!
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Ultimate caps off busy October with 1st place at tourney
Women’s team will now focus on preparing rookies for spring season

By Margaret H. Carpenter
SPORTS WRITER

October was a busy month for the MIT women’s ultimate frisbee team as it fielded teams in three different competitions. With an unprecedented addition of over 30 members to the roster this fall, MIT had the luxury of fielding multiple teams in the same tournament, giving its rookies valuable match experience.

Travelling to Yale on Oct. 17 and 18, MIT handed out debuts to a number of rookies. Although the team didn’t end up scoring very well in that tournament, the captains and players agreed it was a success. First-timers Audrey Li ’19, Michelle Chen ’19, Amy Liu ’19, and Bethany Cates ’19 all stepped into handler positions for the first time. Team captain Claire Duvallet G remarked after the tournament, “It was a great opportunity for our newer members to learn from our more experienced veterans,” senior captain Alina Li ’16 said.

On the weekend of Oct. 24 and 25, a team of more seasoned players travelled to Maine for a two-day tournament at which 13 schools from the Northeast engaged in enthusiasm competitive. It was the toughest challenge yet this year for the MIT ultimate club, but they finished in first place, winning some prize money that will benefit the future of the women’s ultimate program at MIT.

“Ultimate can unite women from various communities, and it was awesome seeing their hard work paying off this fall,” Li said.

The fall tournament season is drawing to a close, and the ultimate team is already looking forward to an exciting spring season. The team is planning on putting in a lot of hard work this winter, and with so many new players interested in the sport, the club has high hopes for the future.

2 from women’s soccer receive weekly honors
Players claim awards ahead of playoffs

By Max Berkowitz
DAILY SCROLL

MIT women’s soccer players Alexandria B. Hrabchak ’19 and Lauren S. Ullmann ’17 were named as the New England Women’s and Men’s Athletic Conference (NEWMAC) Offensive and Defensive Players of the Week, respectively, as announced by the league office early afternoon on Tuesday, Nov. 3.

In a 2-0 week for the Engineers, Hrabchak scored four of MIT’s seven goals equaling eight points, which included her first career hat trick in the 4-0 season finale victory over Coast Guard on Saturday. In both contests this week, Hrabchak also planted the game winners.

The freshman midfielder has notched 12 goals and one assist for 25 points and four game winning goals, thus far, over her rookie campaign.

In between the pipes, Ullmann improved her record to 11-6-2 with a pair of wins this week for the Cardinal and Gray. Ullmann made a total of nine saves in two games for the Engineers, including seven against Emerson which clinched the NEWMAC Regular Season Championship for MIT. She also registered her fourth shutout of the season in a 3-0 win against the Lions.

For Hrabchak and Ullmann this is their second career time being selected for NEWMAC Player of the Week accolades. MIT (11-6-2, 8-2-0 NEWMAC) awaits the winner of the No. 6/5 matchup as the No. 1 seed in the NEWMAC women’s soccer tournament. The Engineers have a first round bye and home field advantage throughout the playoffs as the semifinals are slated for Saturday, Nov. 7 at 10:30 a.m. and 1:30 p.m. on Roberts Field.

By Benny Martinez
lenny Martinez— the tech

Women’s Volleyball — NEWMAC semifinals
Friday, November 6
1 p.m., Zesiger Sports and Fitness Center

Men’s Swimming and Diving vs. Springfield College
Saturday, November 7
1 p.m., Zesiger Sports and Fitness Center

Women’s Swimming and Diving vs. Springfield College
5 p.m., Zesiger Sports and Fitness Center

Men’s Soccer — NEWMAC semifinals
12 p.m., Steinbrenner Stadium

Women’s Soccer — NEWMAC semifinals
10:30 a.m., Steinbrenner Stadium

Squash vs. Lehigh University
1 p.m., Rockwell Cage

Squash vs. Boston College
6 p.m., Steinbrenner Stadium

By Margaret H. Carpenter
SPORTS WRITER

November was a busy month for the Engineers with decisive victories in three different competitions. With an unprecedented addition of over 30 members to the roster this fall, MIT had the luxury of fielding multiple teams in the same tournament, giving its rookies valuable match experience.

The Engineers beat WPI 2-1 in overtime. Logan S. Mclaughlin ’19 attempts to steal the ball from a WPI player during Saturday’s game. The Engineers beat WPI 2-1 in overtime.

Molly C. McNamara ’16 dribbles the ball up the field during last Saturday’s game against Babson College in their last NEWMAC game of the regular season. The Engineers lost to Babson with a score of 1:3.

The technology is now focusing on preparing rookies for spring season. Women’s team will now focus on prepping rookies for spring season.