DEMOLITION OF BEXLEY IN FINAL STAGES OF THE APPROVAL PROCESS

Deval Patrick to join MIT Innovation Initiative

Former Massachusetts governor Deval Patrick will become a visiting fellow for the MIT Innovation Initiative this spring. He will hold formal office hours and make regular appearances at various seminars and on-campus events as part of the role, but he will not teach classes, according to MIT.

The initiative aims to support MIT’s “innovation ecosystem” through programs focused on developing entrepreneurial skills. These programs are open to all students, alumni, staff, and faculty. As a visiting fellow, MIT said Patrick will work on making the interactions between policy-making, entrepreneurship, and innovation-based growth more cohesive.

Throughout Patrick’s two terms as governor, he reorgan- ized the importance of establishing connections between academia and industry, as well as investing in ground-breaking technologies as a means to accelerate economic success, according to MIT’s press release.

During his time in office, he also delivered an economic policy address at MIT, spoke at MIT’s 2009 Commencement address, and attended ceremo- nies for various businesses in Kendall Square.

—Amy Wang

SOMERSAULTS FOR SCIENCE
12,097 teaches scientific expression through dance. ARTS, p. 6

HOW TO ROB A BANK
A former MIT lecturer robs a bank in the name of art ... and money. NEWS, p. 10

EBOLA RESEARCH
2014 virus exhibits over 300 changes from predecessors. NEWS, p. 11

NEW YEAR CLEANING
MIT’s Science Fiction Society recognizes its extensive book collection. PHOTO SPREAD, p. 7

NEW YEAR CLEANING
MIT’s Science Fiction Society recognizes its extensive book collection. PHOTO SPREAD, p. 7

Deval Patrick to join MIT Innovation Initiative

Former Massachusetts governor Deval Patrick will become a visiting fellow for the MIT Innovation Initiative this spring.

MIT Faculty and Student Involvement in Olympic Bid Encouraged

MIT is considering being a possible venue for hosting sport- ing events during the 2024 Summer Olympic Games, which the United States Olympic Committee (USOC) announced Thursday would be held in Boston if the United States is chosen to be the host city.

MIT Executive Vice President and Treasurer Israel Ruiz ’80 serves as one of four co-chairs of the Boston 2024 College and University Engagement Committee, which is working on incorporating universi- ties in Massachusetts into Boston’s 2024 Olympic Plan. “I hope we can coordinate within MIT to under- stand what opportunities this could bring,” said Ruiz in an interview with The Tech.

Boston 2024, the group planning Boston’s Olympic bid, is considering MIT as a possible host for archery and fencing competitions. MIT has offered Kilman Court as a venue for archery, as well as Riggs Field and Rockwell Cage as potential venues for other athletic events. Ruiz said that Boston 2024 is “looking for venues that are representative of Boston, Cambridge, and surrounding communi- ties,” and that they are “look- ing for some sort of an emblematic venue.”

According to an article in the Boston Globe, Olympic planners are considering several other universi- ties as potential venues, including Harvard for field hockey, Boston University for basketball, rugby, and模块。
WEATHER

Cold air and (mostly) clear skies

By Colin Thackray

The rest of this week promises to be very cold. With high pressure as the norm through the end of the week, the skies should remain relatively clear, and along with cold northerly winds, allow the temperatures to get well below freezing each night. On Friday night, a passing low to the north will bring down cold northern air and result in temperatures dropping into the single digits (°F). After this morning, the chance of snow will be very low until the end of the weekend, when it should get much warmer and possibly rain. Overnight lows in the low 20s (°F) fall right along the average for days in January, but sometimes the region gets particularly unlucky. In January of 1946, the weather gods must have been angry, because there was an (almost literally) unbelievable run of 12 straight days with lows ranging from -3°F on the first and warmest night to -30°F at the worst. Maybe it's a good thing that we've put an end to nonsense like that.

Extended Forecast

Today: Partly cloudy, high around 32°F. Winds SW to NW at 10 mph.
Tomorrow: Clear, high of 32°F; wind NW shifting to SW at 15 mph.
Friday: Partly cloudy, high around 32°F. Winds NW up to 20 mph. Low below 10°F overnight.
Saturday: Clear, high around 30°F.

Solution to Irish Tour

Solution to Sudoku II

Solution to Techdoku II

Solution to Sudoku

Solution to Techdoku I

Solution to Irish Tour

Solution to Sudoku II

Solution to Techdoku II

Solution to Sudoku

Solution to Techdoku I

Deadline Approaching

National Collegiate Student Prize Competition

Submit your technology-based inventions in one of four categories:

Open to teams of undergraduate students and individual graduate students nationwide

The “Cure it!”

Lemelson-MIT Student Prize for healthcare

The “Drive it!”

Lemelson-MIT Student Prize for transportation

The “Eat it!”

Lemelson-MIT Student Prize for food & agriculture

The “Use it!”

Lemelson-MIT Student Prize for consumer devices & tools

Winners in each category receive:

$15K to a graduate student!

$10K to undergraduate teams!

Apply by: January 30, 2015

LEMELSON-MIT

lemelson.mit.edu

Know something important we should write about?

(We probably don’t know about it.)

Let us know.

news@tech.mit.edu

File Edit Options Buffers Im-Python Python Help

---:----F1 joinTechno.py (Python)--L1--Top--

Weekly Newsletters

smtp.lemelson.org:25 (TCP) - [u'200']
MIT takes measures to expedite park construction

No definitive plans for long-term use of the Bexley site or additional housing yet in place

Bexley, from Page 1

will begin on the site of the dorm, according to MIT Executive Vice President and Treasurer Israel Ruiz SM ’01, the chairman of the Building Committee.

In an interview with The Tech, Ruiz added that “the demolition and the park space construction will most likely be coordinated by the same contractor, in order to speed up the proceedings.” The idea and design for the park space was developed by a committee of MIT students working with a landscape architect as well as several administrators from the Department of Facilities and the Department of Student Life (DSL).

Thayer Donham, a Senior Campus Planner in Facilities who is working closely with the committee, said in an interview with The Tech that the current conceptual design for the park space includes walkways, seating, lighting, accommodations for tour buses, and bike racks.

Students and faculty will be able to use the open space to showcase their work. Art exhibits and student activities held there will be coordinated through the office of the Chancellor.

Should the demolition progress smoothly, the construction of the park space is estimated to be completed by November. Landscapers will then begin planting trees the following spring.

The construction of the park is estimated to be completed by November.

After Bexley closed in 2013, dorms identified additional spaces in order to house a larger number of students and MIT reduced the freshman class size by 50. Since the closing, the Delta Upsilon and Lambda Chi Alpha fraternities were suspended, which Ruiz said added to the 300-bed shortage left by Bexley.

The West Campus Planning Study, part of the MIT 2030 building plan also responsible for the ongoing East Campus/Randall Gateway project, will address these housing issues and the long-term fate of the Bexley lot on a larger scale. Ruiz said that the project will holistically evaluate the buildings and facilities in west campus, including dormitories, Kresge Auditorium, the MIT Chapel, and the athletic facilities.

Graduate housing will also be considered in planning; the initiative will oversee renovations to Sidney-Pacific that will displace around 370 graduate students over the next year and a half.

The funding plan for the West Campus Planning Study, as well as the other projects that are currently under the MIT 2030 framework, will be split into two parts: debt-funding will provide the capital for half of the projects, while the other half will be supported by a fundraising campaign led by Eric Grimson PhD ’86. It has yet to be determined when a new dormitory will be built. As for the housing problem, “the MIT administration and the [Bexley space] student committee is working towards a longer-term investment which will hopefully be definitive by the end of term,” said Ruiz.

Briggs Field and Rockwell Cage potential venues for 2024 Olympic competitions

Boston transportation improvements necessary if city is to host Games

2024 Olympics, from Page 1

Field hockey, and UMASS Boston for the Olympic Village. Other proposed venues include Boston Harbor for sailing, Boston Common for beach volleyball, and TD Garden for basketball.

Ruiz notes that plans for security and crowd accommodation for events hosted by MIT will be a collaborative effort between Olympic planners and MIT. “MIT would have a major say in the security,” Ruiz said.

Ruiz is hoping to broaden MIT’s involvement in the Olympic planning process by involving faculty and students who are interested in planning for and potentially developing technology for the Olympic Games. Part of this involvement is already being discussed. Professor Carlo Ratti in MIT’s Department of Urban Studies and Planning aims to work with Boston 2024 to propose new infrastructure improvements that could enable all venues to be accessible by walking or by public transportation. According to Ruiz, one of the main appeals of the Boston area as a venue for the Olympics is the closeness of all of the different sporting venues.

Ruiz said that the transportation upgrades in the area would be one of the ways that the Olympics would benefit the MIT community. According to Ruiz, increased capacity on the Red Line would be among these upgrades. Additionally, the Boston Globe wrote that constructing additional platforms at South Station, which has been a proposed project for a decade, as well as a new Commuter Rail Station in Allston might be among other transportation improvements.

Transportation upgrades are “another element in which [the MIT community] will also participate: there is faculty interest in shaping how transportation gets improved,” Ruiz said.

IOC chose Boston as the US bid among four applicant cities, but in order for Boston to actually host the Olympics, the International Olympic Committee must choose it from among other countries’ bids, of which only Italy’s bid, Rome, has been finalized. The process of selecting the host city is a two- and a-half-year process, which gives the selected city seven years to prepare.

Ruiz seeks to be transparent about MIT’s role in the selection process as it unfolds in the coming years, as well as engage the MIT community in the effort to optimize Boston’s bid, and if chosen, host the Olympic Games. “Though it is too early to know the details of the process that will take place between now and 2017, Ruiz said that “we will maintain engagement and dialogue as the process unfolds.” Ruiz hopes to bring a sense of “excitement and community about what the Olympic movement means in the context of an educational setting like ours.”

2024 Olympic transportation improvements necessary if city is to host Games

Table:MIT takes measures to expedite park construction

<table>
<thead>
<tr>
<th>No definitive plans for long-term use of the Bexley site or additional housing yet in place</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIT takes measures to expedite park construction</td>
</tr>
<tr>
<td>No definitive plans for long-term use of the Bexley site or additional housing yet in place</td>
</tr>
<tr>
<td>Bexley, from Page 1</td>
</tr>
<tr>
<td>will begin on the site of the dorm, according to MIT Executive Vice President and Treasurer Israel Ruiz SM ’01, the chairman of the Building Committee.</td>
</tr>
<tr>
<td>In an interview with The Tech, Ruiz added that “the demolition and the park space construction will most likely be coordinated by the same contractor, in order to speed up the proceedings.”</td>
</tr>
<tr>
<td>The idea and design for the park space was developed by a committee of MIT students working with a landscape architect as well as several administrators from the Department of Facilities and the Department of Student Life (DSL).</td>
</tr>
<tr>
<td>Thayer Donham, a Senior Campus Planner in Facilities who is working closely with the committee, said in an interview with The Tech that the current conceptual design for the park space includes walkways, seating, lighting, accommodations for tour buses, and bike racks.</td>
</tr>
<tr>
<td>Students and faculty will be able to use the open space to showcase their work. Art exhibits and student activities held there will be coordinated through the office of the Chancellor.</td>
</tr>
<tr>
<td>Should the demolition progress smoothly, the construction of the park space is estimated to be completed by November. Landscapers will then begin planting trees the following spring.</td>
</tr>
<tr>
<td>The construction of the park is estimated to be completed by November.</td>
</tr>
<tr>
<td>After Bexley closed in 2013, dorms identified additional spaces in order to house a larger number of students and MIT reduced the freshman class size by 50. Since the closing, the Delta Upsilon and Lambda Chi Alpha fraternities were suspended, which Ruiz said added to the 300-bed shortage left by Bexley.</td>
</tr>
<tr>
<td>The West Campus Planning Study, part of the MIT 2030 building plan also responsible for the ongoing East Campus/Randall Gateway project, will address these housing issues and the long-term fate of the Bexley lot on a larger scale. Ruiz said that the project will holistically evaluate the buildings and facilities in west campus, including dormitories, Kresge Auditorium, the MIT Chapel, and the athletic facilities.</td>
</tr>
<tr>
<td>Graduate housing will also be considered in planning; the initiative will oversee renovations to Sidney-Pacific that will displace around 370 graduate students over the next year and a half.</td>
</tr>
<tr>
<td>The funding plan for the West Campus Planning Study, as well as the other projects that are currently under the MIT 2030 framework, will be split into two parts: debt-funding will provide the capital for half of the projects, while the other half will be supported by a fundraising campaign led by Eric Grimson PhD ’86. It has yet to be determined when a new dormitory will be built. As for the housing problem, “the MIT administration and the [Bexley space] student committee is working towards a longer-term investment which will hopefully be definitive by the end of term,” said Ruiz.</td>
</tr>
</tbody>
</table>

Briggs Field and Rockwell Cage potential venues for 2024 Olympic competitions

Boston transportation improvements necessary if city is to host Games

<table>
<thead>
<tr>
<th>2024 Olympics, from Page 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>field hockey, and UMASS Boston for the Olympic Village. Other proposed venues include Boston Harbor for sailing, Boston Common for beach volleyball, and TD Garden for basketball.</td>
</tr>
<tr>
<td>Ruiz notes that plans for security and crowd accommodation for events hosted by MIT will be a collaborative effort between Olympic planners and MIT. “MIT would have a major say in the security,” Ruiz said.</td>
</tr>
<tr>
<td>Ruiz is hoping to broaden MIT’s involvement in the Olympic planning process by involving faculty and students who are interested in planning for and potentially developing technology for the Olympic Games. Part of this involvement is already being discussed. Professor Carlo Ratti in MIT’s Department of Urban Studies and Planning aims to work with Boston 2024 to propose new infrastructure improvements that could enable all venues to be accessible by walking or by public transportation. According to Ruiz, one of the main appeals of the Boston area as a venue for the Olympics is the closeness of all of the different sporting venues.</td>
</tr>
<tr>
<td>Ruiz said that the transportation upgrades in the area would be one of the ways that the Olympics would benefit the MIT community. According to Ruiz, increased capacity on the Red Line would be among these upgrades. Additionally, the Boston Globe wrote that constructing additional platforms at South Station, which has been a proposed project for a decade, as well as a new Commuter Rail Station in Allston might be among other transportation improvements.</td>
</tr>
<tr>
<td>Transportation upgrades are “another element in which [the MIT community] will also participate: there is faculty interest in shaping how transportation gets improved,” Ruiz said.</td>
</tr>
<tr>
<td>IOC chose Boston as the US bid among four applicant cities, but in order for Boston to actually host the Olympics, the International Olympic Committee must choose it from among other countries’ bids, of which only Italy’s bid, Rome, has been finalized. The process of selecting the host city is a two- and a-half-year process, which gives the selected city seven years to prepare.</td>
</tr>
<tr>
<td>Ruiz seeks to be transparent about MIT’s role in the selection process as it unfolds in the coming years, as well as engage the MIT community in the effort to optimize Boston’s bid, and if chosen, host the Olympic Games. Though it is too early to know the details of the process that will take place between now and 2017, Ruiz said that “we will maintain engagement and dialogue as the process unfolds.”</td>
</tr>
<tr>
<td>Ruiz hopes to bring a sense of “excitement and community about what the Olympic movement means in the context of an educational setting like ours.”</td>
</tr>
</tbody>
</table>

For more information, email join@tech.mit.edu

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 events 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 it? Join The Tech!

Can you beat this drawing?

Join Illustrators at The Tech!

E-mail Join@tech.mit.edu

Solution to Mega Techdoku

from page 3

From 6 27 59 8 41 3
5 16 48 7 39 2
2 37 15 4 96 8
3 8 42 6 51 7 9
9 51 8 32 7 46
7 38 61 19 5 24
8 49 72 16 3 5
1 6 29 43 8 57
4 9 5 3 7 6 2 8 1

The Tech is looking for interactive graphic designers to join its online media team.

No experience necessary. We’ll give you the tools to get you started.

This is a great way to gain valuable job experience, build a strong web portfolio, and create designs that will be submitted for national awards.

For more information, email join@tech.mit.edu
OPINION

Chairman
Annia Pan ’15

Editor in Chief
Austin Hess ’15

Business Manager
Joyce Zhang ’16

Managing Editor
Judy Huang ’12

T&L STAFF

News Editors: Tasheer Kamath ’16, Leon Lin ’16, Kehl Xu ’16; Associate News Editors: Alexandria Delmonico ’17, Patricia Z. Dominguez ’17, William Narine ’17, Katherine Niance ’17, Drew Bean ’18, Ray Wang ’18; Staff: Rohan Basu ’18, Santara Senior ’18, Jennifer F. Sutor ’18; Meteorology: Vincent A. A. Senior ’14, Romain Koonj ’11, Bryan Bento ’13, Casey Higginbotham ’13, Ray Igra Wu ’14, Costa Christopoulos ’14

PHOTOGRAPHY STAFF

Editors: Eme Shihu ’15, Will Conroy ’16, Anthony Yu ’15, Associate Editors: Justin Cheng ’17, Colleen Muldoon ’17, Lenny Mantelli ’17, Xin He ’17, Krishnik Swaminathan ’17, Karis Dubert ’18, Sophie Mar ’18

OFFICE STAFF

Editor: Jacob Lender ’15; Staff: Peri Saad ’15, Aaron Hammond ’17

ADVERTISING STAFF

Editors: Austin Osborne ’15, Ali C. Syedmamun ’17; Associate Editor: Cédric Bedin ’15; Staff: Michael Gerhardt ’13, Zach Hoenig ’12, Nishant Shewale ’13, Mikhaladhan Amouskou ’14, Shri Ganeshpur ’15, Pelton Hui ’15, Nick Lopus ’15, Deepend Narayanan ’15

ARTS STAFF


BUSINESS STAFF


CAMPUS LENS STAFF

Editors: Kali Xu ’15; Staff: Stephanie Lamm G, Emily A. Muhay S, Divya Ruplak G, Victoria Yeung G; Cartoonists: Leicta W. Li G, Paulee Powell ’13, Stephanie Su ’13, Navee Shroff ’13, Erika S. Tong ’13, Timothy Yang ’13, Dushyan Lee ’16

EDITORIAL STAFF

Staff: Christina Cudellee ’16, Alyssa Nager ’16

ADVERTISING MANAGER

Newsroom Kim ’16

Operations Manager: Fiona Lars ’17; Staff: Joseph Minner ’12, Amelia Gonzalez ’14, Madeline J. O’Grady ’14, Michelle Chao ’17, Casey Barnwell ’17, Angela Leong ’18, Jennifer Poining ’18, Amy Wang ’18, Aaron Zang ’18

CONSULTANT STAFF

Staff: Christina Cudellee ’16, Alyssa Nager ’16

CONTRIBUTING STAFF

Director: Greg Steinmasscher G, Staff: Alex Chernyakhovsky ’18

GRADUATE STUDY STAFF


AFFILIATE STAFF

Contributing Editor: Stann Gill ’14; Senior Editors: Anna Ca ’14, Jouna L. Wus ’14

THREE-PIECE BOARD


OPINION POLICY

Editorials are the official opinion of The Tech. They are written by the Editorial Board, which consists of Chairmain Annia Pan, Editor in Chief Austin Hess, Managing Editor Judy Huang, and Opinion Editor Jacob London. Disseants 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 news@tech.mit.edu. Hard copy submissions should be addressed to The Tech, P.O. Box 397629, Cambridge, Mass. 02139-7629, 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) 253-1514. 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 editor@tech.mit.edu. Please send press releases, requests for coverage, and information about events that call for coverage 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.
[1466] Phone Checking

I was actually asleep; I woke up when I refreshed the website and saw the news.

[1471] Gut Fauna

I think you mean microbiome.

I see the problem. Your gut microbiome is out of balance.

One moment.

[1486] Phone Checking

I guess we'll just wait here until now.

We'll never make it!

Oh, we're right.

[1491] Gut Fauna

No, here! Swallow this.

That's a wolf.

Do you need a glass of water?

I know it seems unpleasant but the two ways we typically respond aren't I'm sure this is the one you want.
ON-CAMPUS ARTS
Science through dance
Flagella, data compression, and choreography
By Davie Rolnick
Staff Writer

It’s generally frowned upon to do a somersault in a research presentation, but this was an exception. As the music started, the students leapt onto the stage and wordlessly described their topic in a series of graceful pirouettes, dipping and weaving around each other while seeming to be propelling their arms. “Motion of Bacteria through Flagella,” the program said.

Science, Dance, and the Creative Process (12.097) aims to teach scientific expression through dance and choreography. The course was invented last fall by Minerva Steele, director of Quicksilver Dance, and Professors Raffaella Ferrari and Larry Pratt (Earth, Atmospheric, and Planetary Studies). Lectures by distinguished researchers alternated with rehearsals and lessons in dance composition. “Whatever we learned on Monday, we made dances about on Wednesday,” said Steele. All that hard work culminated in the final presentations on Dec. 10, in which students designed and performed dances about their own studies or research.

Even students who had never danced before moved with grace and confidence.

In one piece, the dancers bloomed and swirled, formed shifting lines, and bent in the force of an unseen current. “Movements of Sea Kelp according to Random Chance.” True, the students didn’t look quite like kelp, but the dance made a deeper impression than any terse description could have.

Steele explained four different approaches to connecting science with dance: Model, Essence, Inspiration, and Brainstorming. “Modeling transcribes actions found in nature and described by science directly into a dance; Essencing distills scientific ideas to their base principles without exactly copying. Inspiration abstracts scientific ideas into aesthetic expression; and Brainstorming uses movement to gain insight into scientific questions and open ideas for further scientific investigations.”

The class did not require prior dance training, and proved to be a learning experience for novice and veteran dancers alike. In the final performance, even students who had never danced before moved with grace and confidence. For some more experienced students, it had come as a surprise but also to something general, Yu said. “The principles of compression and expansion also apply to the way your body moves.”

Steele hopes that students in this course will learn modes of expression that will serve them well, and also be able to relate to their scientific work at a new level. “It’s just another way of expressing — like a graph,” said Camille Henrot ’16. “Maybe when I can’t sit still in my chair, things will come out of that.”

The instructors of 12.097 hope to offer the course again next fall.

Join MITFCU in January for IAP.
Get a jump start on your 2015 financial goals by attending MITFCU Financial & Retirement Services’ IAP seminars:

Retirement Income Planning
January 14th | 12-1 pm | 32-155

Social Security & Your Retirement
January 21st | 12-1 pm | 32-124

Understanding Medicare
January 28th | 12-1 pm | 32-155

Visit MIT’s IAP website to learn more and register.

Do you want to be like Sherlock Holmes? The Tech is looking for investigative reporters.
Do you like asking tough questions? Do you enjoy nosing around and collecting evidence? IF SO, WE WANT YOU ON OUR TEAM!

JOIN@TECH.MIT.EDU

Call: 617-253-2845 | Click: mitfcu.org | Visit: Cambridge: 700 Technology Square (NE48), Student Center (W20.116)
Federally insured by NCUA
Two years after a similar undertaking in 2013, the MIT Science Fiction Society (MITSFS) closed this past weekend to perform another phase of reorganization. The overarching goal was to make books easier to find in the library.

Benjam J. Kaduk G disassembles a bookshelf that was no longer needed.

Yelena Tsitkin ’06, Jennifer Chung ’02, D.W. Rowlands G, and Laura A. McKnight ’15 work together to add custom-sized protective covers to the dust-covers of books before they are shelved. The hardcover books had been sitting in boxes until more space could be made.

Monday evening found the reopened library in this state. The now-contiguous paperback section extends off to the right, and the taller-spaced shelves of comics, magazines, and references occupy the area to the left. Over 300 books were added to the circulating collection, and around 100 went back into boxes.

As part of an effort to consolidate the paperback section, James K. Hobin ’16 re-shelves an armful of books. It is estimated that MITSFS circulates around 46,000 books, not including the 4,000 reserve books which can be read in the library.
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.

Sudoku I
Solution, page 2

Sudoku II
Solution, page 2

Techdoku I
Solution, page 2

Techdoku II
Solution, page 2

Saturday Stumper by Anna Stigal
Solution, page 2
Mega Techdoku
Solution, page 3

120x 35+ 108x 12x 16x
32x 84x 54x 245x 9
22+ 16x 5 54x 24x
27x

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.

Irish Tour by Fred Piscop
Solution, page 2

ACROSS
1 Colorado resort 43 Tap dancer, slangily
2 Dark purple fruit 44 Remnants
3 Officeholders, for short 45 As compared to
4 Remnants 46 Spotted feline
5 Hubub 47 As compared to
6 Looks right at 48 As compared to
11 In one large group 49 Looked right at
16 Metallic rock 50 Looked right at
17 Knighted flutist 51 In one large group
18 Disney mermaid 56 Hubbub
19 Holiness the Dalai Lama 57 Knighted flutist
20 Legislative period 58 As compared to
21 Christmas tree candles 59 Looked right at
22 Actress Catherine Zeta-Jones 60 Looked right at
23 Actor Vail vehicles
24 Deep down inside 52 Looked right at
25 Roof-rack gear 53 Looked right at
26 Heated in a microwave 54 Looked right at
27 The first person 55 Needle holes
28 Open some wine 56 Hubbub
29 Letters on older phones 57 Knighted flutist
30 “For shame!” 58 Car ad fig.
31 Pre-coll. exams 59 Onetime Chinese chairman
32 Decorate 60 Moose relative
33 People from Bangkok 61 Sounds of contentment
34 Slack off 62 Some pendant stones
35 Mosaic piece 63 Likeness
36 Brewpub serving 64 Comic-strip scream
37 Take a siesta 65 Shattered
38 Food plans 66 Places to bowl
39 French cheese 67 Flat tire
40 CPR expert 68 Open some wine
41 Fund-raising banquets 69 Flat tire
42 Specialty 70 Flat tire

DOWN
1 Sounds of contentment 11 Cabinet appointee of 2013
2 Dark purple fruit 12 Disney mermaid
3 Officeholders, for short 13 Unkempt
4 Remnants 14 Matchless
5 Hubub 15 Clock-display punctuation
6 Looks right at 16 Metallic rock
7 Knighted flutist 17 Knighted flutist
8 Very much like 18 Did garden work
9 Young fella 22 Apt. coolers
10 Vail vehicles 24 Deep down inside
11 Looked right at 25 Roof-rack gear
12 Disney mermaid 26 Grey of Western fiction
13 Unkempt 27 The first person
14 Matchless 28 Open some wine
15 Clock-display punctuation 29 Letters on older phones
16 Metallic rock 31 Pre-coll. exams
17 Knighted flutist 32 Decorate
18 Did garden work 33 Mosaic piece
19 Holiness the Dalai Lama 34 Slack off
20 Legislative period 35 Sharp flavor
21 Christmas tree candles 36 Brewpub serving
22 Actress Catherine Zeta-Jones 37 Takes a siesta
23 Actor Vail vehicles 38 Senseless
24 Deep down inside 39 Cupid’s device
25 Roof-rack gear 41 “Bravo!”
26 Heated in a microwave 42 Teen idol’s sackful
27 The first person 43 Tap dancer, slangily
28 Open some wine 44 Remnants
29 Letters on older phones 45 As compared to
30 Pre-coll. exams 46 As compared to
31 Pre-coll. exams 47 As compared to
32 Decorate 48 As compared to
33 People from Bangkok 49 Looked right at
34 Slack off 50 Looked right at
35 Mosaic piece 51 In one large group
36 Brewpub serving 52 Looked right at
Former MIT lecturer robs bank

Former lecturer Joseph Gibbons, who taught in MIT’s Art, Culture, and Technology (ACT) program from 2002 to 2010, was arrested last Thursday after robbing a bank and recording the experience with a pink-and-silver video camera for a film project.

Gibbons approached a teller at a Capital One branch in New York’s Bowery with a note that read, “This is a robbery. Large bills. No dye packs/No GCP” and fled after taking roughly $3800, according to press reports.

Gibbons is wanted for a similar heist in Rhode Island, where he told the teller that it was “for the church.” He was held on $50,000 cash bail for the New York heist, with a preliminary hearing scheduled for April 14, according to the Boston Herald.

Gibbons told the New York Post that he drew inspiration from French poet Arthur Rimbaud, who “believed a poet had to descend into the depths of all that was bad and report back,” saying that his actions have been “one long project about discovering the disenfranchised portions of society.”

He also told the Post, “What got me over the final hurdle was the desperation of not having anything to eat, not having anything to eat, that’s what gave me the final desperation to do it.”

Joe Zane, also a former MIT ACT lecturer who worked alongside Gibbons, described him as “very eccentric” but “extremely smart” and believes that Gibbons was “just trying to get some good footage,” as reported in the Herald.

Gibbons has received several awards and fellowships from arts foundations including the National Endowment for the Arts and the Guggenheim Foundation, and his work has been displayed at a variety of museums and shows such as the Museum of Modern Art and the Rotterdam Film Festival. He focuses on creative film and video that is “rooted in autobiography,” according to his profile, which is currently available on the ACT website.

—Sanjana Shrestha

Aaronson opposes removing courses

Physics department head defends decision to remove Lewin’s videos

Lewin, from Page 1

that, you know, there’s multiple examples of this kind of behavior, and I think looking at all that information led us to be concerned with the content up there,” Schmidt said. “There was the potential for continued harassment.”

“There’s been some comments — Well, this is just a situation of someone making an inappropriate comment, and it is overreacting?” Schmidt added. “I think our actions are reflective of the seriousness.”

“Gibbons is wanted for a similar heist in Rhode Island, where he told the teller that it was “for the church.” He was held on $50,000 cash bail for the New York heist, with a preliminary hearing scheduled for April 14, according to the Boston Herald.”

Gibbons told the New York Post that he drew inspiration from French poet Arthur Rimbaud, who “believed a poet had to descend into the depths of all that was bad and report back,” saying that his actions have been “one long project about discovering the disenfranchised portions of society.”

He also told the Post, “What got me over the final hurdle was the desperation of not having any money and not having a place to stay, not having anything to eat, that’s what gave me the final desperation to do it.”

Joe Zane, also a former MIT ACT lecturer who worked alongside Gibbons, described him as “very eccentric” but “extremely smart” and believes that Gibbons was “just trying to get some good footage,” as reported in the Herald.

Gibbons has received several awards and fellowships from arts foundations including the National Endowment for the Arts and the Guggenheim Foundation, and his work has been displayed at a variety of museums and shows such as the Museum of Modern Art and the Rotterdam Film Festival. He focuses on creative film and video that is “rooted in autobiography,” according to his profile, which is currently available on the ACT website.

—Sanjana Shrestha

Apply now for a SMURF Fellowship!

Deadline to submit your application is January 19, 2015

- Roundtrip economy class airfare
- Housing provided
- Hourly compensation
- Daily food and transportation allowance

Visit the SMURF website at http://smart.mit.edu/fellowships/smurf/smurf.html

Singapore-MIT Undergraduate Research Fellowship (SMURF)

We’re seeking to build our forces

Join@tech.mit.edu

Want to spend your summer in Singapore?

Attention MIT Undergraduates!

Fisher said Lewin’s behavior spanned “a long period of time” and that it couldn’t have been an accident.

Professor Scott Aaronson was among those who questioned the removal of courses from OpenCourseWare. He wrote on his blog:

“By all means, punish Prof. Lewin as harshly as he deserves, but — as students have been pleading with, say, Reddit, in the MIT Tech comments section, and elsewhere — don’t also punish the countless students — in both sexes who continue to benefit from his work. (For godsakes, I’d regard taking down the lectures as a tough call if Prof. Lewin had gone on a murder spree.) Do-
Broad Institute analyzes Ebola genomes

At the Broad Institute of MIT and Harvard, in a lab run by accomplished computational geneticist Pardis Sabeti ‘96, researchers have collaborated with institutions in the U.S. and abroad to sequence and analyze more than 99 Ebola virus genomes collected by fellow scientists in Sierra Leone. They are on the lookout for mutations that could aid in developing new treatment options for Ebola, or that could serve as indicators that the virus is evolving to become more deadly.

Contained within the virus’s 19,000 base-pair genome, the team has found more than 300 genetic changes that separate the 2014 Ebola virus from its predecessors. Of interest is one particular cluster of mutations which, having outlasted other genetic variations, could possibly be conferring some sort of genetic advantage to the virus. Sabeti’s team has been researching Ebola and the similar Lassa fever virus in West Africa for years, working closely with the Kenema Government Hospital in Sierra Leone. When they were informed of Ebola’s presence in the city, they were quick to provide technical assistance to their African colleagues and obtain blood samples from Ebola patients for sequencing.

The team’s results were reported online in the journal Science, but were also made available before publication on the National Center for Biotechnical Information’s DNA sequence database. According to the Broad Institute’s website, the team hopes to accelerate response efforts by making the data available to the scientific community.

Five of the African coauthors of the Science paper died after they contracted the virus themselves, among them Dr. Humarr Khan, head of the Kenema hospital’s Lassa program.

On the Broad Institute’s website, Sabeti wrote, “There is an extraordinary battle still ahead, and we have lost many friends in the community.” While the rate of Ebola transmission in West Africa appears to have leveled off, the virus is not yet contained, with around 360 new cases being reported in the first week of January according to the World Health Organization.

Dr. Larry Linden

About Dr. Linden

Dr. Larry Linden leads the Linden Trust for Conservation, founded in 2006 to bring state-of-the-art skills in finance and markets to the environmental community. The Trust is currently focused on the establishment of market-based solutions for the control of greenhouse gas emissions in the United States. Larry is a former General Partner and Managing Director at Goldman Sachs, where he launched the firm’s first environmental policy, and has also served as Partner at McKinsey & Co. and on the White House Staff in the Carter Administration coordinating technology policy development for the transportation, energy sectors and environmental protection. He has served as Board Chair for the World Wildlife Fund and Resources for the Future and is a member of the Board of Directors of TIAA and advisor to the Redstone Strategy Group and New World Capital Group. Dr. Linden holds a PhD from MIT and a BS from Princeton.

Climate Change Conversation Event Series

The MIT Climate Change Conversation Committee is sponsoring a series of events in Spring 2015 to engage the MIT community on the role and innovation potential for the Institute to address climate change. To learn more about the conversation and upcoming events visit climatechange.mit.edu, and join the conversation with the following opportunities:

- Submit your ideas to the Climate Change Conversation Idea Bank to shape how MIT addresses climate change on campus and across education, research, and beyond
- Follow us on Facebook: facebook.com/MITClimateChangeConversation
- Follow us on Twitter: @climatetalkMIT

For more information, please contact: Climate Committee Chair, Roman Stocker, Department of Civil and Environmental Engineering, rcs00@mit.edu, or Sarah Brylinsky, Office of Sustainability, sbrylins@mit.edu

The MIT Climate Conversation Committee Spring Event Series

One Man’s Journey to Climate Activism

A Talk with Dr. Larry Linden

Wednesday January 21st 2015 3:30pm-5:00pm
MIT Kirsch Auditorium 32-123, Reception to follow

Join the MIT Climate Change Conversation with a talk by Dr. Larry Linden, MIT alum and former General Partner and Managing Director of Goldman Sachs. From growing up in smog-filled Los Angeles, to MIT, the White House, and then a career on Wall Street, Dr. Linden describes the experiences and transformation that brought him to launch an effort to move the politics of climate change in the United States.

The Linden Trust for Conservation is seeking to advance a national conversation on the use of a revenue-neutral carbon tax to minimize greenhouse gas emissions, a central concept with the potential to draw bipartisan support.

Describing lessons learned on the role of science in regulation, government technology policy, and financial risk management, his insights are both personal and global as they apply to our individual and collective ability to make a difference in one of the 21st century’s preeminent challenges.

One Man’s Journey to Climate Activism

A Talk with Dr. Larry Linden

Wednesday January 21st 2015 3:30pm-5:00pm
MIT Kirsch Auditorium 32-123, Reception to follow

Join the MIT Climate Change Conversation with a talk by Dr. Larry Linden, MIT alum and former General Partner and Managing Director of Goldman Sachs. From growing up in smog-filled Los Angeles, to MIT, the White House, and then a career on Wall Street, Dr. Linden describes the experiences and transformation that brought him to launch an effort to move the politics of climate change in the United States. The Linden Trust for Conservation is seeking to advance a national conversation on the use of a revenue-neutral carbon tax to minimize greenhouse gas emissions, a central concept with the potential to draw bipartisan support.

Describing lessons learned on the role of science in regulation, government technology policy, and financial risk management, his insights are both personal and global as they apply to our individual and collective ability to make a difference in one of the 21st century’s preeminent challenges.

About Dr. Linden

Dr. Larry Linden leads the Linden Trust for Conservation, founded in 2006 to bring state-of-the-art skills in finance and markets to the environmental community. The Trust is currently focused on the establishment of market-based solutions for the control of greenhouse gas emissions in the United States. Larry is a former General Partner and Managing Director at Goldman Sachs, where he launched the firm’s first environmental policy, and has also served as Partner at McKinsey & Co. and on the White House Staff in the Carter Administration coordinating technology policy development for the transportation, energy sectors and environmental protection. He has served as Board Chair for the World Wildlife Fund and Resources for the Future and is a member of the Board of Directors of TIAA and advisor to the Redstone Strategy Group and New World Capital Group. Dr. Linden holds a PhD from MIT and a BS from Princeton.
Two percent incentive is posted as a credit to member’s savings account within 48 days of balance transfer post. Limited time offer and subject to change without notice. Balance transfers are applicable only for existing non-MITFCU credit cards or creditors; it does not apply to cash advances or current MITFCU loans. Balance transfers begin accruing interest on date that transfer is made to MITFCU credit card. Transfers will not be issued in excess of your MITFCU credit limit. Transfers and balance payoffs will not automatically close out any other credit cards you may have. You must notify your original credit card company directly to request account closure. Promotion offer ends March 31, 2015.

Kick off the New Year with 2%* Cash Back.

What better way to start 2015 than to pay off an existing credit card and get 2%* of that paid off amount right into your MITFCU savings account?

Learn more about our different card options and apply at mitfcu.org.

Borrow smart. Save big. Both make for a higher degree of banking.