**Divest? VP calls on faculty to weigh in**

**Profs urged to give opinion on how MIT should address climate change**

By Katherine Nazemi

With the MIT Climate Change Conversation Committee due to report findings within the next month — and expected to recommend whether MIT should divest — Vice President of Research Maria T. Zuber has called on faculty members to join the dialogue.

"This is where science ends and values begin," Zuber wrote, calling for the dialogue. "There should be no expectation on your part that an outcome is acceptable to you.

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Students given additional time to move out after final exams

Undergraduates living in dormitories may request to remain in their dormitories for an additional day — until Sunday, May 24 — before they are required to move out for the summer, according to an email from Henry Humphreys, senior associate dean of Residential Life and Dining.

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Nepali students association raises $27,000 for earthquake relief

MITer, a Nepal students association, has raised more than $27,000 to aid relief efforts in Nepal, according to the group’s homepage.

The student group has raised the money through a form on its website, which says that the donations will be given to the Help Nepal Network USA, an organization that has been working in Nepal since 1999 and is working on the ground to provide relief. Funds collected through the site will be used to "procure relief materials such as tents, food, and water.

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NFL issues deflategate ruling: Pats likely guilty

Low pressure in footballs was most likely deliberate, report says; no penalty given yet

By Ken Belson

An NFL investigation has found that "it is more probable than not" that New England Patriots personnel intentionally deflated footballs to gain an advantage in the AFC championship game last season, and that Tom Brady, the Super Bowl most valuable player, was aware of it.

No penalties have been announced.

For the cause, MITer also co-hosted a Hack-for-Nepal Bull-dathon to help analyze data and build software apps to aid in relief efforts.

"We want to leverage all of MIT’s resources, which go beyond money," MITer member Brijesh R. Bista Gold MIT News.

Those wishing to help MITer reach its fundraising goals can visit the group’s homepage at http://msteri.script.mit.edu/wb.

— William Navare
Summer has arrived!

By Colin Thackray

The summery weather will continue through the weekend in Cambridge as a Low over Ontario brings warm southern air our way through Sunday. The chance that this will bring some spots of rain over the weekend is low, but non-zero. The weather we are getting this week is a little warmer than average for May, so don’t burn your spring clothes just yet.

As we feel the seasons changing, it seems like an appropriate time to look ahead to the 1-month extended forecast to see what’s in store. According to the Old Farmer’s Almanac, May should have an average high temperature of 65°F and 3” of rain in our region. This has a good chance of coming true for Boston, as the climatological averages are 66°F on the highs and 3.5” of rain. Other things that we should expect this month according to the almanac: showers, rain, hot, cool, and scattered thunder storms.

Extended Forecast

Today: Sunny, high of 85°F. Winds 5-10 mph SW.
Tonight: Clear, low of 55°F. Winds 5-10 mph SW.
Tomorrow: Sunny, high of 82°F. Winds 5-10 mph E.
Saturday: Partly cloudy with a slight chance of rain, high of 84°F. Winds 10-15 mph S.
Sunday: Partly cloudy, chance of rain, high of 88°F. Winds 10-15 mph SW.

By Colin Thackray

STAFF METEOROLOGIST

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STAFF METEOROLOGIST
LOGS CONCERT

Friday May 15
Kresge Auditorium
Free Admission
Doors open 7:45PM

www.mitlogs.com
Profiting from Ignorance

By Collin Vierra

By now many of us have heard that America’s favorite “fast casual restaurant” — Chipotle’s “Mexican Grill” — has gone GMO-free. Although Chipotle’s decision represents the singular action of a private company, it still speaks to the increasing success of the anti-GMO movement. As white private companies have every right to decide what products they sell, Chipotle’s decision to pandear to the anti-GMO movement is dangerous and irresponsible.

Chipotle’s website offers three reasons for its decision to stop using GMO ingredients. The first reason states that there is no scientific consensus on the safety of GMOs. In fact, the American Medical Association, National Academy of Sciences, World Health Organization, and European Commission have all found GMOs to be safe. A recent meta-study of 1,783 studies on GMOs concluded that “the scientific research conducted so far has not detected any significant hazards directly connected with the use of GE [GMO] crops.”

The second company’s claim is that GMOs damage the environment. It cites a single study in support of this claim and conveniently ignores the fact that it was authored by Charles Benbrook, a consultant for the Organic Center. In his study, Benbrook uses data that does not distinguish between pesticide use on GMO vs. non-GMO crops. He deliberately ignores complete data sets and makes wild extrapolations from short-term trends.

The third reason for going GMO-free is the only honest one, having to do with expanding its customer base and improving its bottom line. Chipotle itself has admitted that “we didn’t say we were doing this because it’s good for the environment, but that they actually allow us to distinguish between itself from struggling fast food chains like McDonald’s.

Chipotle is not the first company to capitalize on health-related paranoia, either. Whole Foods is another successful example. By now many of us have heard that America’s favorite “fast casual restaurant” — Chipotle’s “Mexican Grill” — has gone GMO-free. Although Chipotle’s decision represents the singular action of a private company, it still speaks to the increasing success of the anti-GMO movement. As white private companies have every right to decide what products they sell, Chipotle’s decision to pandear to the anti-GMO movement is dangerous and irresponsible.

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Financially speaking, Chipotle’s decision is probably wise. A 2014 ARC poll found that 52 percent of Americans believe GMOs are unsafe. By removing GMOs from its restaurants, Chipotle will become more accessible to the general public while distinguishing itself from struggling fast food chains like McDonald’s.

Once submitted, all letters become property of The Tech. They will not be returned. Letters, columns, and cartoons may also be posted on The Tech’s Web site and posted or published in any other format or medium now known or that becomes known. The Tech makes no commitment to publish all letters received. Guest columns are opinion articles submitted by members of the MIT or local community.

The Tech is a fall weekly and page photograph of a girl at the Collier Memorial Town Hall was the name of MIT’s president. He is L. Rafael Reif, not “Rafael L. Reif.”

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The caption for last week’s front-page photograph of a girl at the Collier Memorial Town Hall was the name of MIT’s president. He is L. Rafael Reif, not “Rafael L. Reif.”
The MIT administration should be the first to lead the way and demonstrate how an informed community tackles a problem that everyone cares about — let’s hope it rises to the challenge.

John O’Sullivan is a member of the Class of 2015.

Divestment-plus: let’s end false dichotomies

In this Tuesday’s MIT Faculty Newsletter, Vice President Maria Zuber outlined the facts on the fossil fuel divestment debate. She asks: “Should we accept [Fossil Free MIT’s] call to divest? Should we do something else instead, possibly a proactive response that contributes to reducing the Institute’s carbon footprint?”

I wholeheartedly support reducing our carbon footprint. But MIT must forge false dichotomies and forge a multi-faceted climate action plan. We must ask, “What is everything we can do?” Not, as VP Zuber asks, “What, if anything, do we do?”

Doing everything we can means launching an MIT ‘Manhattan Project’ for renewables research, reinventing climate education, transforming our campus into a zero-carbon living laboratory, and yes, aligning our money with our mission and morals through divestment and reinvestment.

We should replace immediate pressure from firms perpetuating climate science disinformation or focused on scientifically unwarranted coal, tar sands, and Arctic exploration. And we should divest over five years from oil and gas companies. We could then reinvest divested funds in high-yield, low-risk campus energy efficiency. Incidentally, the greenhouse carbon embodied in MIT’s investments dwarfs our campus footprint by tens to hundreds of times.

VP Zuber then asks: “Would it be appropriate to call out fossil fuel companies while continuing to use their products and to partner with them on clean energy solutions and fossil fuel studies that mitigate environmental harm?”

Yes, because divestment aligns our money with our mission and morals, not those of Big Oil and big donors.

VP Zuber inquires: “What have other universities done regarding fossil fuel direct investment? Most that have divested do not have substantial endowments, with the exception of Stanford. None of the Ivies have divested, but Yale communicated to its outside investment managers the importance of accounting for ‘the risks of climate change in investment analysis.’”

Other universities’ lack of moral courage should be seen by MIT as an opportunity for leadership, not an excuse to avoid it. As Larry Linden said during the Climate Change Conversation, prospects for political action ran “from impossible to inevitable overnight.” Will MIT feel more comfortable leading against climate change once everyone else goes first?

In fact, universities with major endowments have divested, including Australia’s top-ranking university, Australian National University, and Syracuse University’s $1.2 billion fund. The World Bank and the United Nations endow divestment, and everyone from Richard Branson, to the Church of England ($13.6 billion), to the colossal $850 billion Norwegian sovereign fund have begun going fossil free.

Divestment by the Rockefeller family proves that “our moral duty to divest” can be prudent, conditional, gradual, and yes, sometimes challenging. To VP Zuber and President Reif: This is how legacies are born. Let us too our cap over this wall before us, so that we have no choice but to follow it.

Geoffrey Soppin is a PhD candidate in the Department of Materials Science & Engineering, a leader of the Fossil Free MIT divestment campaign, and the graduate representative on the president’s Climate Change Conversation committee.
Technical Problems 6
Technical Problems is a weekly column consisting of puzzles and math problems intended to be accessible to undergraduates of all majors. Solutions are posted two weeks later online. If you are interested in having one or more of your solutions published in the column, please send them to general@tech.mit.edu.

Problem 1
A state issues license plates consisting of six digits each between 0 and 9. The state requires that any two license plates differ in at least two places (e.g., the numbers 027592 and 020592 cannot both be used). What is the maximum number of license plates that the state can use?

Problem 2
You are given 40 balloons, the air pressure inside each of which is unknown and may differ from balloon to balloon. You are allowed to choose up to \( k \) of the balloons and equalize the pressure in them to the arithmetic mean of their respective original pressures. You can repeat this as many times as you want. What is the smallest \( k \) for which it is always possible to exactly equalize the pressure in all of the balloons?

Problem 3
The cells of a 100-by-100 square grid are colored red, blue, green, and yellow in such a way that every row and column contains exactly 25 cells of each color. Prove that there are two rows and two columns such that the four cells which are the intersections of these rows and columns are colored in distinct colors.

Compiled and edited by Matthew Brennan.

Techdoku
Solution, page 14

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

Sudoku
Solution, page 14

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.

Centennial by Sheldon Bernardo
Solution, page 14

ACROSS
1 Takes a break
6 Utter confusion
11 EMT specialty
14 Japanese verse
15 Actress Berry
16 Roth plan, for one
17 Cinema legend born 100 years ago today
19 Little kid
20 Cooing birds
21 Happen
22 Dustcloths
23 Showing no emotion
24 1958 film starring, written and directed by 17 Across
25 Colonizing bug
26 Glee club voice
27 __ mater
28 Zones
29 Hats, so to speak
31 Droop in the sun
33 Maritime tanker
34 Glee club voice
37 Twosome
38 "It's on the house"
41 Chapters of history
44 Officeholder, for short
46 Holding a grudge
47 Delhi dress
48 See eye to eye
52 Cat Chow request, perhaps
53 Diminutive suffix
56 Medical ins. plan
57 Burzoi or boxer
58 Could possibly
59 Tablet download
60 Paycheck amount

DOWN
1 Letter after pi
2 Musical aptitude
3 Sibling, for short
4 Bout stopper, for short
5 Summer attire
6 GM make
7 __ and hearty (healthy)
8 Shakespearean title starter
9 Bullfight cry
10 Burger bun seed source
11 17 Across’ masterpiece
12 Everyday speech
13 Appraised
18 Scrabble play
22 Dustcloths
23 Showing no emotion
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44 Officeholder, for short
46 Holding a grudge
47 Delhi dress
48 See eye to eye
49 Power sources
50 Real Time host on HBO
52 Car Chow request, perhaps
53 Diminutive suffix
54 Accelerate, with “up”
Dance Troupe is performing their Spring Show, Barre Crawl, this weekend. The show opens Thursday, May 7 at 8PM in the little Kresge Auditorium.

Photography by Alexander C. Bost.
United Nations' first VR film pushes the bounds of empathy

Virtual reality film takes viewers inside a Syrian refugee camp in Jordan

By Erica Swallow

Virtual reality has always been framed as the next big thing in gaming, but if the United Nations has anything to do with it, it will be the next big thing in humanitarian aid.

When I think about virtual reality (VR), I think about 1995 and the Nintendo Virtual Boy my family used to own. A cheap red device with an attached controller, it sat in our living room in between sessions of the space-themed shoot ‘em up game “Red Alarm,” one of only 22 titles released for the console. That, for me, was the beginning of VR.

While it’s taken two decades for the technology to brush the fringes of mainstream acceptance, the latest kid on the block, Oculus VR, has tech enthusiasts everywhere hopeful that now is VR’s time.

Today, it’s Oculus that’s powering the United Nations efforts to use a series of virtual reality films to tell the stories of those often-misrepresented.

This week, I had the honor of watching the UN’s first VR movie, Clouds Over Sidra, on the latest Oculus-powered headset, Samsung Gear VR Innovator Edition for Note 4. As I slipped the headset on, a message welcomed me: “Welcome to Edge of Vision.”

Clouds Over Sidra
Directed by Gabo Arora and Barry Pousman

I heard the limitations of her new home, and I also heard the positivity she brought to her situation.

Sidra showed me around her family’s tent, took me inside her classroom and to the soccer field. She invited me to dinner with her family and spoke of her mother’s limited supply of the spices she once cooked with. And though Sidra couldn’t enter some areas of the camp with her family — for males due to rigid gender norms, the camera took me to the gym and computer room, where boys and men spent their time. Sidra told me what she knew of these places, her voice louder and clearer than perhaps it had ever been.

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Sidra showed me around her family’s tent, took me inside her classroom and to the soccer field. She invited me to dinner with her family and spoke of her mother’s limited supply of the spices she once cooked with. And though Sidra couldn’t enter some areas of the camp with her family — for males due to rigid gender norms, the camera took me to the gym and computer room, where boys and men spent their time. Sidra told me what she knew of these places, her voice louder and clearer than perhaps it had ever been.

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Clouds Over Sidra is but the first film in a series of United Nations VR experiences that transport viewers to places they could not otherwise go. Upcoming films are set to take place in an Ebola clinic in Liberia and the polluted but sacred bathing grounds of the Ganges River in India.

While I watched the film on the Oculus Milk VR app, Clouds Over Sidra is also available on VRSE, an app on iOS and Android, which can be paired with Google Cardboard, a low-cost cardboard VR headset. Give it a shot. And maybe, like you, I’ll think about the vast good that could be brought to this world when you think about VR’s potential, instead of merely settling on its current fate in gaming. As students of technology at MIT, it is up to us to choose what missions we take on in life, but it is projects like this one at the UN, and many others I’ve seen on our very campus, that inspire me to continue pushing the boundaries on the positive impact technology can have on our world. May Sidra’s story inspire you, too.

Edge of Vision engages the senses with three diverse dances

A visual and aural gem in Boston Ballet’s Perception trilogy

By Ray Wang

Boston Ballet’s Edge of Vision, a three-part performance featuring original choreography and eclectic music, grips its audience with an amazing sense of detail.

Part of the Perception trilogy of dances in the Ballet’s spring season, Edge of Vision is able to employ all of the company’s top talent more effectively than their traditional ballets.

The first component of the program is Helen Davis’ prelude. It was commissioned in 2008 featuring music by minimalist composer Philip Glass and star player Ravi Shankar.

Four principal couples take part in this performance, including Boston Ballet management Benjamin Phillips for designing a set that perfectly matches the flowing, exotic ambience of the music. For much of the work, a shimmering metallic sheet set gradually changes colors. Ravi Shankar’s sitar and Jan Garbarek’s saxophone are intense and pulsating, matching the sensuality of the dancers.

Finish photographer Jorma Elo features five principal couples in the world premier of “Bach Cello Suites”. The familiar classical music, played by Boston Ballet lead cellist Ron Lowry, is a tender background to a performance by all the company’s veteran stars. The length of dancers Daisy Button and Lasha Khoszshvili is breathtaking — the extension that Khoszshvili can get on his movements is noticeable. A weaving geometric structure floats above the stage, slowly shifting angles with the music. It’s simple but mesmerizing.

Principal dancer Jeffrey Cirio displayed his athleticism in a duet partnered by the Boston Ballet manager Benjamin Phillips for designing a set that perfectly matches the flowing, exotic ambience of the music. For much of the work, a shimmering metallic sheet set gradually changes colors. Ravi Shankar’s sitar and Jan Garbarek’s saxophone are intense and pulsating, matching the sensuality of the dancers.

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[ ] COMPANY EMPLOYEE-TO-BE: Learn about: the competition among companies in the product plane and in the patent plane; employment agreements that employers expect you to sign and follow; typical legal obligations to one’s employer; following a company’s business processes; etc.

[ ] BUSINESS MANAGER-TO-BE: Learn: about how the patent system can protect product differentiation by creating Patent Business Risks and Patent Business Opportunities for the rival companies in both sides of follower business strategies; how these risks and opportunities impact the NPV computation of the Business Analysis Review for prospective new products contemplated by these rival companies; patent strategies to mitigate these risks and execute on these opportunities; etc.

[ ] ENGINEER-TO-BE: Often as a default, companies expect their engineers to be able to create new product designs that avoid others’ patents. Learn: to recognize inventions and their relationship to products; to distinguish between inventions and other content; basic patent skills such as patent searching to help with your company’s patent strategies; identifying patent families; parsing a patent document so you can learn faster from it; about patent clearance of a proposed new product design so as to avoid others’ patents; about patentability of new inventions; etc.


“[This book provided me with an efficient and clear introduction to patents. The presentation of the material is systematic and draws attention to important concepts such that I rarely found myself confused. Furthermore, the diagrams included are very intuitive and helped me visualize various interactions in patent law.”

—Daniel Hsu, B.S. Electrical Engineering, Class of 2015, California Institute of Technology

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Kendrick’s second album creatively delivers a message of hope

By Bryan Williams

I recall a conversation I had with a friend about the future directions of Kendrick Lamar’s music career about six months after his first studio album Good Kid, M.A.A.D City was released. The album was a cohesive, thoughtful exploration of teenage life in Compton, and fans and critics alike received it as a defining album for hip-hop.

The album was a cohesive, thoughtful exploration of teenage life in Compton, and fans and critics alike received it as a defining album for hip-hop.

Race is a central theme of the pro-black album, perhaps best exemplified by the James Brown-influenced, downtroopy honoring “King Kunta.” In the song, Kendrick alleviates the future’s Kunta Kinte, boasting about his dominance and societal growth from the role of slave to king. The song is a radical departure from Kendrick’s previous sound, but it works very well. The radical lyrical elements are reflected in the jazz and funk influence that can be heard in most of the album’s songs, and he even experiments with spoken word at times. None address race as directly as the aggressive “The Blacker the Berry,” in which Kendrick angrily reflects on the black condition and black-on-black crime: “So why did I weep when Trayvon Martin was in the street? / When gang banging make me kill a n****’ blacker than me? Hypocrite!” Kendrick advocates black self-reliance on the album version of “C,” which features a beat where he promotes “I’m tired of playin’ victim.” He isn’t afraid to tackle controversial subjects, and he handles them well.

The album is also deeply personal, exploring the deepest recesses of Kendrick’s mind. He expresses his ideas concerning exploitation of black artists in the United States through conversations with an imagined Uncle Sam, like on album opener “Wesley’s Theory.” “What you want you? A house or a car? Petty acts and a mule, a piano, a guitar? / Anything, see, my name is Uncle Sam, I’m your dog.” He uses this same conversational device to discuss the temptations of the devil, represented as the seductress Lucy (Lucifer). Lucy and Uncle Sam are recurring characters throughout the album, tying together themes across tracks. Kendrick admits his deepest worries and insecurities in a conversation with himself on the emotional “u,” drunkenly reflecting on the black condition and exploitation of self-empowerment. However, in the context of the album as a whole, the song stands out as a rare glimpse of positivity amidst a overwhelmingly dark yet somehow still encouraging, managing to address private as well as public issues, and is both lyrically and sonically inventive. It is a beautiful album.

The album reveals Kendrick’s increased uncertainty and speculation around his second album, To Pimp a Butterfly, when he released “U” last September; the album’s first and surprisingly happy single. It seemed a bit odd to go from exploring the nastiest corners of Compton to preaching a smiling message to Pimp a Butterfly...
Deflategate: not 1st NFL run-in for Pats

Belichick was fined half a million in 2007 after league found that staff had videotaped Jets’ signals

NFL, from Page 1

net, including Coach Bill Belichick, were aware of the wrongdoing.

In the AFC championship game in January, the visiting Indianapolis Colts suggested that game balls were underinflated. This was found to be true, leading to the investigation into whether anyone affiliated with the Patriots had been involved.

The Patriots won, 45-7, but in the first half, a member of the Colts gave the officials a ball that appeared to be underinflated. The officials checked all 12 of the Patriots game balls and determined that all but one were below the mandated amount of air pressure.

The investigation was conducted by Theodore V. Wells Jr. and the law firm Paul, Weiss.

In a statement, Roger Goodell, the NFL commissioner, said: “Troy Vincent and his team will consider what steps to take in light of the report, both with respect to possible disciplinary action and to any changes in protocols that are necessary to avoid future incidents of this type.”

It is not the first time that the NFL has concluded that the Patriots broke rules to gain an advantage. In 2007, the league fined the Patriots and Belichick and ordered the team to forfeit a first-round draft pick after a Patriots staff member was discovered videotaping signals by New York Jets coaches during a game at the end of the 2006 regular season.

Belichick was fined $500,000, and the team was ordered to pay $250,000. Belichick accepted full responsibility for the incident, which Goodell called “a calculated and deliberate attempt to avoid longstanding rules designed to encourage fair play and promote honest competition on the playing field.”

The NFL has other team controversies to consider. After the Super Bowl, Atlanta Falcons owner Arthur Blank admitted that his team had piped in artificial noise during home games to distract visiting teams. “It’s not really a fine line,” Blank told The Associated Press. “I think what we’ve done in 2013 and 2014 was wrong.”

The league may have to levy penalties on the Cleveland Browns, where general manager Ray Farmer has been accused of texting coaches during games.

Attention continuing students:

If you plan to take a subject designated CI-H or CI-HW this fall, you must select it in pre-registration on WebSIS by Monday, June 15 in order to have the chance to be scheduled into it.

For more information, visit enrollmenttools.mit.edu
Tsarnaev apologized to guard after showing middle finger

Defense calls sentence in supermax lonely, restrictive; several witnesses attempt to humanize Tsarnaev

Tsarnaev, from Page 1

As the penalty phase of the trial winds down, defense lawyers on Wednesday sought to impress upon jurors that life in the prison in the Rockies, where Tsarnaev, 21, would almost certainly be sent, would be highly restricted and very lonely — punishment enough, they believe, for his crimes.

The defense has called more than 40 witnesses in the last six days and has offered the jury a smorgasbord of reasons to spare Tsarnaev’s life. They called a specialist in adolescent brain development, for example, who testified that as a 19-year-old, Tsarnaev’s decision-making capacity and judgment were not fully formed.

Lawyers painted Tsarnaev as “a good kid” trapped in a dysfunctional family in the devoutly Muslim Chechen Caucasus. Among the witnesses was a psychiatrist who testified that Tsarnaev’s father suffered from post-traumatic stress disorder, having been tormented in a detention camp during the Chechen war in the 1990s. Medical records read into evidence said that the father often heard voices screaming at him, had panic attacks and was a sweet, aimless boy who did well in school.

Several witnesses have tried to humanize Dzhokhar, with their testimony drawing a sharp contrast between the two brothers. They have cast Tamerlan as a bully who abused his wife and once punched out a stranger on the street, and Dzhokhar as a sweet, aimless boy who did well in school.

One of the more detrimental pieces of evidence produced by the government earlier in the trial showed Dzhokhar showing a middle finger at a surveillance camera when he was placed in a holding cell. The defense has sought several times to defuse this powerful image, and on one occasion, the government explained that April 15, 2013, was also the date of the bombings, in which Tsarnaev’s gesture was fairly tame compared to the actions of other inmates who have been observed in a holding cell.

Some have attempted suicide, he said, while others fought with other inmates, flooded the toilets and otherwise “acted out.”

The government has used its cross-examinations to return the jury’s focus to the marathon bombings, the reason for the trial in the first place.

On Wednesday, a brother-in-law, who has married one of the Tsarnaev sisters, testified by remote hookup from Kazakhstan that Dzhokhar had been very sweet with his baby nephew, whose birthday was April 15.

Prosecutors, noting that April 15 was also the date of the bombings, in 2013, asked the brother-in-law if this is how Dzhokhar showed his affection for the baby - by bombing the marathon on his first birthday.

The defense is expected to finish its case on Thursday or possibly Monday. At that point, the prosecution plans two days of rebuttal. Then both sides offer closing arguments, possibly late next week. The government then gets a final rebuttal before the jury begins deliberations.

La Sala, Student Center

For more information or to make an appointment, visit: http://web.mit.edu/blood-drive/www/.

It is MIT policy to allow employees time off with pay to donate blood at the drives that are sponsored on campus.

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event

Finals Week Study Breaks

Cakes with Canines

Thursday, May 14, 2:30-3:30 PM
Haiden Library (145)

Study Breaks

Wednesday, May 13, 2-3:30 PM
Dewey Library (E53-100)

Tuesday, May 19, 2-3:30 PM
Barker Library (10-500)

Thursday, May 21, 2-3:30 PM
Rotch Library (7-238)

Take a study break, have a snack and de-stress!

Cookies and beverages will be served near the entrance to each library.

Furry friends from Dog B.O.N.E.S. will make a special visit to Hayden Library for Cookies with Canines.

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The Tech 13

THURSDAY, MAY 7, 2015

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May 14th

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RSVP here:

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Time:

5:00 p.m. – 6:30 p.m.

Location:

MIT Room 4-145

Pizza will be served!

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Vince, Course 12
Tushar, Course 20

Vivian, Course 5
Anthony, Course 14
Stephen, 21/CMS

Austin, Course 6
Maggie, Course 15
Keith, Course 22

Kali, Course 7
Chris, Course 16
Marissa, Course 24

A sampling of people you’ll meet during a typical dinner at The Tech:
Marathon bomber appears to weep for first time in trial as family members testify for his defense

Witnesses speak to Tsarnaev's kindness and sensitivity, but prosecution pushes back

By Katharine Q. Seelye

The New York Times

BOSTON — Dzhokhar Tsarnaev has maintained an impassive or stoic demeanor throughout his trial. Even as survivors told of the carnage he inflicted at the 2013 Boston Marathon, and family members described how he killed their loved ones, he barely seemed to flinch.

But on Monday, as his aunts and other relatives from Russia testified on his behalf, he reached for a tissue, dabbed his eyes and appeared to weep.

In light of tragic events unfolding in Nepal, Baltimore, at home, and around the world, the Chaplains at MIT offer a message of hope and prayer to our community and beyond.

Though diverse in nation, culture & creed, We unite in peace, love & hope:
For greater compassion toward our selves & others
For healing of anxiety & loneliness
For strength in our studies & work
That we may love instead of hate
That we may heal instead of harm
That we may celebrate instead of despair
In gratitude for those we love
In gratitude for those who love us
In gratitude for our talents
In gratitude for the failures which teach us to thrive
For strength for today
For perseverance for tomorrow
For freedom from yesterday
These things we seek for ourselves & each other.

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Solution to Sudoku
from page 6
4 1 8 7 2 5 9 6 3
5 7 6 3 8 9 4 1 2
9 3 2 4 1 7 8 5 6
2 6 1 4 9 8 3 5 7
3 5 9 1 7 2 6 4 8
7 8 4 5 6 3 2 9 1
8 9 3 2 5 6 1 7 4
6 2 7 8 1 4 5 3 9
1 4 5 9 3 7 8 2 6

Solution to Techdoku
from page 6
1 2 4 3 6 5
6 1 3 2 5 4
2 3 5 4 1 6
3 4 6 5 2 1
5 6 2 1 4 3
4 5 1 6 3 2

Solution to Crossword
from page 6
RESTS CHAOS CPR TALKS MALICE ORION ROLL TOT GROVES ARTS SUARY AMAZING LIONS EMOTIONS LOVERS WHITE ENOR MAJOR ENCHANTED MAJESTY AGNUS APALPAS GRIETHS MONEY ROAR MABLEM GUEST METHOD THERIAL ELI EMOITE GOAPE ELI ROHRE ELCITY

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<th>Date</th>
<th>Time</th>
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<tr>
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<td>12:00-1:00pm</td>
<td>4-237</td>
</tr>
<tr>
<td>April 22nd</td>
<td>7:00-8:00pm</td>
<td>W20-306</td>
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<tr>
<td>April 28th</td>
<td>12:00-1:00pm</td>
<td>E25-111</td>
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The listening tour is an opportunity for you to share your thoughts on how MIT should address climate change in an open, welcoming environment. Come with ideas, or just come to talk. We want to hear from you.

Massachusetts Institute of Technology

The Tech Thursday, May 7, 2015
Baseball wins back-to-back championships

MIT claims 5-4 victory over Wheaton, earning NEWMAC title for a 2nd time

Baseball, from Page 16

Senior Tyler Contillo.

MIT went back up by three runs in the bottom of the sixth when Tew doubled in Garrett Greenwood '18, who had led off the inning with an infield single. It went right back to a two-run game in the top of the seventh when Matt Lavanchy '16 drove a pitch over the fence in right to make it 5-3.

MIT called on its bullpen to close things out, with senior K.J. Parent '15 limiting the damage in the sixth inning to just a run when he came in with runners on second and third and no outs, and got out of the jam. He gave up just the home run to Lavanchy in the seventh before junior Michael Wymer '16 came on in the eighth to close it out.

Wymer gave up a walk in the eighth, but held the Lyons at bay with a pair of strikeouts. In the ninth he ran into a jam when an error and a single put two aboard with two down for senior Apolinar De La Cruz, who laced a run-scoring single up the middle to make it 5-4. Wymer ended it there, however, getting the final out on a fielder's choice to third to give MIT its second title in as many years.

Junior Alan Wang '16 started for MIT and picked up the victory, going five solid innings and allowing two runs on five hits. Freshman Dan Southerland started for Wheaton and took the loss after giving up three runs (two earned) on four hits over the first 3.1 innings.

Tew finished his day 3-for-5 with a pair of doubles and an RBI for MIT. Silvestro had three hits for Wheaton, including a double, and scored twice to lead the Lyons.
Women’s lacrosse wins its 1st NEWMAC title
Christine Jiang ’16 is named ‘most outstanding player’ of this year’s tournament

By Soupamo Ghosh

The MIT women’s lacrosse team clinched their first-ever New England Women’s and Men’s Athletic Conference (NEWMAC) Championship this weekend with a come-from-behind 11-10 victory over Springfield. MIT battled back from a 10-5 deficit to earn a direct entry to the NCAA playoffs where they will face Regis on Saturday, May 9.

Christine Jiang ’16 was named Most Outstanding Player of the Tournament. Kira Schott ’16 was instrumental in the victory, scoring twice and setting up two others in the finals. Rookie of the Year Emily Young ’18 scored a hat-trick while fellow freshman Evan Boal ’18 notched up 4 saves.

En route to becoming NEW- MAC Champions, MIT defeated archrivals Babson for the first time since 2003 as they closed out the regular season with a record of 14-2. Schott scored five times and racked up three assists as the Engineers finally beat Babson, thereby halting a 17-game losing streak.

MIT won the title with a come-from-behind victory over Springfield.

Having overcome Springfield for the first time in program history, the team is looking forward to the challenge of competing in the NCAA playoffs. As Jiang ’16, who has been in the team for the past three years, put it: “There’s something special about this year’s team — there is an in-game chemistry, and somehow, we always end up on the same page without having to say anything to each other. Every team in the NEWMAC (New England Women’s and Men’s Athletic Conference (NEWMAC) Championship is incredibly talented, so we definitely expect an exciting challenge. But, our team is playing our best lacrosse right now and anything can happen.”

Cycling team wins conference
Team gears up to compete at national meet in N.C.

By Soupamo Ghosh

The MIT cycling team clinched the Division II Champion in the Eastern Collegiate Cycling Conference (ECC) road season that concluded with the conference championships held on April 25–26. Jen Wilson G (3rd in Women’s A), Emma Edwards G (2nd in Women’s B), Julie van der Hoop G (3rd in Women’s B), and Philip Kreycik G (3rd in Men’s C) earned individual honors.

The cycling team will compete in the National Championships to be held in Asheville, North Carolina, on the coming weekend.

Though the cycling road season officially gets underway in March, the team began preparing in November. “We start with low intensity-training volume and then pick up the intensity of training as the season approaches,” Wilson explained. To get away from the harsh winter, the team attended a training camp in Solvang, California, over IAP to gear up for the season.

The cycling team is looking forward to the National Championships, which will take place in Asheville, North Carolina, on the coming weekend.

Baseball team wins NEWMAC title again
Parker Tew ’15 is recognized as ‘most outstanding player’ of the tournament

By Phil Hess

Like it did in the first of the three-game 2015 New England Women’s and Men’s Athletic Conference (NEWMAC) Baseball Championship series, MIT took an early lead and then held off Wheaton College down the stretch as the Engineers claimed a 5-4 victory over the Lyons, giving MIT a 2-1 series win and its second straight NEWMAC Championship. Parker Tew ’15 had three hits and drove in a run in the final game and was named the tournament’s Most Outstanding Player.

After a pair of scoreless innings, MIT (24-11) took advantage of a Wheaton (25-15) misplayed into an error, allowing runners on second and third. Hayden Curnow ’15 hit a ground ball to third that was misplayed into an error, allowing Filiere to score.

Wheaton immediately answered in the top of the fourth, getting a pair of walks that led to runners on second and third with two outs. Senior Justin Peluso then beat out an infield hit that scored junior Justin Silvestro from third to tie the game.

Reid Bishop ’15 started a two-run rally in the bottom half of that inning that put MIT on top for good. He led off with a double and subsequently moved up on a sacrifice. With the inﬁeld drawn in, Kendall Helbert ’16 hit a ground ball just past the reach of the Lyons’ shortstop and into left field for an RBI single. Another hit moved Helbert to third and he then scored on a sac by Phil Reiser ’15. Helbert then scored on a sac by Filiere to make it 3-1.

In the fifth, a pair of base hits put a pair on for senior Phill Reiser ’15, whose base hit to right field put the Engineers up 4-1. Wheaton got one of the runs back in the sixth when Silvestro led off with a single, moved up on a walk and then scored on a double down the right ﬁeld line off the bat of se-