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## WEATHER, p. 2

**FRI: 40°F | 37°F**  
Rain  
**SAT: 55°F | 36°F**  
Mostly cloudy  
**SUN: 54°F | 37°F**  
Mostly sunny

Volume 133, Number 18

Friday, April 12, 2013

# Mixed views on Kendall petition

## Following City Council vote, constituents voice opinions

By **Austin Hess**  
NEWS EDITOR

On Monday, the Cambridge City Council voted in favor of a rezoning petition proposed by MIT to allow development of Kendall Square with tall buildings for residential and commercial use. There were seven votes in favor of the proposal, with Councillor Minka van-Beuzekom voting against and Vice Mayor Denise Simmons abstaining.

Several amendments and changes to the plan were passed during Monday's meeting. The proposal also saw many changes during the past month. MIT Investment Management Com-

pany, MITIMCo, has worked for three years to modify the development plan to be compatible with the goals of the City Council. President L. Rafael Reif and Thomas A. Kochan, head of the 2030 task force, also spoke in support of the plan at Monday's meeting.

A variety of reactions to this plan have arisen from both Cambridge residents and relevant officials. According to the *Cambridge Day*, there was an even split of support for and opposition to the proposal during the public comment section, but the vast majority of those in favor were representatives of MIT.

Kendall, Page 7



JOHN A. HAWKINSON—THE TECH

**Commonwealth Secretary of Housing and Economic Development Greg Bialecki** speaks to the Cambridge City Council on Monday evening, in favor of MIT's petition to rezone its part of Kendall Square.

## Introducing materials science at the spring Wulff Lecture



HO YIN AU—THE TECH

**Professor Jennifer A. Lewis '91**, an MIT alumna currently doing research at Harvard, presented this spring's Wulff Lecture, "Printing Functional Materials." Her presentation covered advances in 3D printing technology and their applications. The Wulff Lecture is designed to introduce the general public and MIT undergraduates to the field of materials science.

## Changes to MIT's cybersecurity policy on the horizon

On April 2, Executive Vice President and Treasurer Israel Ruiz emailed the Academic Council to announce a few changes to emergency protocol and network security at MIT. The changes are in response to recent attacks on MIT's information network and are part of an effort to better protect the MIT community.

According to the transcript of Ruiz's email published by the MIT News Office, the following measures have been taken to strengthen the emergency protocol: updates have been made to MIT's emergency-preparedness training program, and will be passed on to emergency coordinators in each department, laboratory, and center by the staff of the Security and Emergency Man-

agement Office. The Office of the Dean for Student Life will also be working with residence hall housemasters to enhance preparedness for living groups. For emergency communication protocol, revisions have been made to expedite the notification process and to expand the alert system to include all members and all devices.

To improve MIT's cybersecurity, IS&T is taking measures recommended by CSAIL professor M. Frans Kaashoek to make our network more resilient. Those engaged in research, teaching, and learning activities will be able to voluntarily opt out of the new security policy, but community members are encouraged to use MIT VPN rather than opting out. As reported by the

MIT News Office, the policy changes include strengthening network traffic policies by blocking traffic from non-MIT IP addresses, limiting access to MIT administrative applications to MIT IP addresses and implementing stronger password quality and expiration policies. Individuals who need to access legally protected information are advised to take additional security precautions.

Ruiz concluded his email by expressing his commitment to "safeguarding our community, protecting our campus and securing our systems." IS&T staff is "working with information technology leadership and partners across campus" to implement these changes.

—Isabella Wei

## Reif to appoint new Institute Community and Equity Officer

Yesterday, in an email addressed to the MIT community, President L. Rafael Reif announced the creation of a new position — the "Institute Community and Equity Officer," or ICEO. The position will be filled by a member of the MIT faculty, and that the officer will serve as "a senior member of the administration," wrote Reif in his email.

In the message, Reif outlined his vision for the role of the ICEO. The officer, he wrote, will be a "thought leader on the subjects of community, equity, inclusion, and diversity," leading and

organizing MIT's activities related to those subjects. The ICEO will also be a "hands-on practitioner" of policies and best practices regarding equity and diversity, and will be responsible for "[leading] MIT to make practical progress toward our vision on a daily basis," continued Reif.

Reif stated in the email that creation of the position was driven by his desire to "cultivate a caring community focused on MIT's shared values of excellence, meritocracy, openness, integrity and mutual respect." He also

thanked MIT's Associate Provosts for Faculty Equity, Wesley L. Harris and Barbara H. Liskov, for "their sustained leadership on questions of equity and inclusion." In that role, Harris helped produce a comprehensive report on faculty equity in January 2010, and Liskov assisted with a 2011 study on faculty gender equity.

Any member of the MIT community can recommend faculty candidates, or voice thoughts about the position, to Provost Christopher A. Kaiser '87.

—Jake H. Gunter

## IN SHORT

**The Summer RA application is open** at [https://fs11.forms.site.com/ResLife/form18/form\\_login.html](https://fs11.forms.site.com/ResLife/form18/form_login.html). The deadline to apply is 11:59 p.m. on April 15.

**The Summer 2013 UROP Direct Funding** application deadline is Thursday, April 18.

**Drop date is coming up!** Get your drop forms signed and turned in by 5 p.m., April 25.

**Balfour will be on campus** next Wednesday and Thursday (April 17 and 18) in Lobby 10 from 10 a.m. until 3 p.m. to help with Brass Rats.

**Nominate your favorite SHASS teacher** for by sending an email to [shass-teaching-award@mit.edu](mailto:shass-teaching-award@mit.edu) by April 21!

**Send news information and tips** to [news@tech.mit.edu](mailto:news@tech.mit.edu).

## REVISITING JURASSIC PARK

In 3D! The plot is maintained, but the dinosaurs now leap off the screen. **ARTS, p. 10**

## TO THE HIGHEST BIDDER?

A Cambridge resident, concerned about the results of the April 8 City Council vote on Kendall Square. **LETTERS, p. 4**

## THE TALE OF JACKIE ROBINSON

42 is one of a kind. **ARTS, p. 9**



## THE TIM: "COME, PLAY, WIN."

A collection of CPW sightings from different corners of campus. **FUN, p. 5**

## JAY SCHEIB'S ALL-MIT ELEKTRA

A shocking new play by MIT Professor of Music and Theater Arts. **ARTS, p. 14**

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# Pentagon finds nuclear strides by North Korea

By Thom Shanker,  
David E. Sanger,  
and Eric Schmitt

THE NEW YORK TIMES

WASHINGTON — A new assessment by the Pentagon's intelligence arm has concluded for the first time, with "moderate confidence," North Korea has learned how to make a nuclear weapon small enough to be delivered by a ballistic missile.

The assessment by the Defense Intelligence Agency, which has been distributed to senior administration officials and members of Congress, cautions that the weapon's "reliability will be low," apparently a reference to the North's difficulty in developing accurate missiles or, perhaps, to the huge technical challenges of design-

ing a warhead that can survive the rigors of flight and detonate on a specific target.

The assessment's existence was disclosed Thursday by Rep. Doug Lamborn, R-Colo., three hours into a budget hearing of the House Armed Services Committee with Defense Secretary Chuck Hagel and the chairman of the Joint Chiefs of Staff, Gen. Martin E. Dempsey. Dempsey declined to comment on the assessment because of classification issues.

Thursday evening, however, the Pentagon press secretary, George Little, issued a statement that sought to qualify the conclusion of the Defense Intelligence Agency, which has primary responsibility for monitoring the missile capabilities of adversary nations but which a decade ago

was among those that argued most vociferously — and incorrectly — that Iraq had nuclear weapons.

"It would be inaccurate to suggest that the North Korean regime has fully tested, developed or demonstrated the kinds of nuclear capabilities referenced in the passage," Little said. "The United States continues to closely monitor the North Korean nuclear program and calls upon North Korea to honor its international obligations."

In another sign of the administration's deep concern over the release of the assessment, late Thursday the director of national intelligence, James R. Clapper Jr., said that the Defense Intelligence Agency report did not represent a consensus of the nation's intelligence community.

# Kerry heads to Asia to reassure allies of US support

By Michael R. Gordon

THE NEW YORK TIMES

MANAS, Kyrgyzstan — With tensions on high in the Korean Peninsula, Secretary of State John Kerry arrives in South Korea on Friday in an attempt to reassure U.S. allies in the region that the United States remains committed to their defense.

Besides stops in South Korea and Japan, Kerry will also visit China to urge officials there to persuade North Korea to abandon its nuclear weapons program, accord-

ing to a senior State Department official traveling with Kerry.

Asia is the final leg of Kerry's six-nation trip, which has taken him to Turkey, Israel and Britain, where he attended a meeting of the Group of Eight industrialized nations in London. His trip comes as the government of Kim Jong Un has been making preparations to conduct a test launching of a medium-range Musudan missile with a potential range of 2,500 miles.

The State Department official said the U.S. wanted China to crack down on the illicit flow of funds

that move through front companies and banks, which the North Korean government uses to support its nuclear weapons program.

"We want to see them do what we do, what the Japanese do, what the South Koreans do, which is to stick to U.N. Security Council resolutions," the official said, and "stop those money trails."

The second step the U.S. wants the Chinese to take is to "carry some tough message to Pyongyang and make it clear to them that denuclearization is also their goal," the official said.

# Turkish police say US Embassy was target of bomb plot

ISTANBUL — Turkish police said Thursday that they found evidence of an al-Qaida-linked plot to bomb the U.S. Embassy in Ankara, a synagogue in Istanbul and other targets, during a raid on two houses in February.

Turkish news reports said the police had seized nearly 50 pounds of plastic explosives with detonation systems attached, as well as six laptop computers and other evidence. Twelve suspects were arrested during the operation — two Chechens, two Azeris and eight Turks.

The police said the raid gathered evidence about two terrorist cells, one in Istanbul and one in the city of Tekirdag on the Sea of Marmara. Forensic analysis of the computers' contents and other documents, officials said, revealed preparations for bomb attacks on the embassy, the private Rahmi M. Koc museum and a synagogue in the Balat District of Istanbul.

Photographs, floor plans and other information were found concerning those targets and the residences and offices of two popular Turks.

After the police raid, the U.S. Embassy issued a travel warning, but said at the time that the Turkish National Police had not provided specific threat information about the targets.

—Sebnem Arsu, *The New York Times*

# Islands, and now a funeral, strain Argentine-British ties

SAO PAULO, Brazil — Argentina and Britain, whose ties were already strained over their rival claims of sovereignty over the Falkland Islands, now seem to be having trouble getting along when it comes to a funeral.

More than 2,000 invitations have been issued around the world to next week's ceremonial funeral with military honors in London for Margaret Thatcher, the former British prime minister who died Monday at age 87. But Argentina's president, Cristina Fernandez de Kirchner, did not make the list.

Breaking the silence of Argentina's government since Thatcher's death, Foreign Minister Hector Timerman called the lack of an invitation "yet another provocation." Thatcher oversaw Britain's victory in a 74-day war in 1982 over the Falklands, a sparsely-populated South Atlantic archipelago that Argentina calls the Malvinas.

"What do I care if I'm not invited to a place where I didn't think of going?" Timerman added in comments broadcast on Argentine radio Thursday. "The woman died. Let her family mourn in peace," he said, while also dismissing a proposal floated in London to rename Port Stanley, the Falklands capital, Port Margaret.

"What does it matter if they want to name it Port Margaret, Margarita or Margaronna?" he asked. "Argentina and the United Nations don't recognize it."

—Simon Romero, *The New York Times*



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*The Tech* (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer by The Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are \$50.00 per year (third class). **POSTMASTER:** Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. **TELEPHONE:** Editorial: (617) 253-1541. Business: (617) 258-8324. Facsimile: (617) 258-8226. *Advertising, subscription, and typesetting rates available.* Entire contents © 2013 *The Tech*. Printed on recycled paper by Mass Web Printing Company.

## LETTERS TO THE EDITOR

## Cambridge is for sale to the highest bidder

On April 8, after witnessing the Cambridge City Council vote to pass MIT's zoning petition for Kendall Square, I came away feeling that Cambridge is for sale — to the highest bidders.

Yes, some visually blighted areas are looking more beautiful; yes, more interesting restaurants are opening up. But, who can afford to live, buy and eat out in these areas? I can right now, but, I am getting older (as much as I resist the notion), and I worry about the future of the city I have loved, lived in, and called home for more than forty-five years.

Cambridge is in the midst of great change, and I am afraid that the city as I have known it is changing in irreversible ways. In the process, we residents stand to lose some of the qualities of life that have kept me living, working, volunteering and contributing to life in the city: Diversity.

Affordable housing for families with children. A sense of community. An opportunity for true community involvement in decisions affecting the life of the city.

## When it becomes more difficult for young families to start their lives here, the strength of our community is threatened.

Young families cannot afford to buy homes and are moving out. The school population is shrinking. We are losing our diversity and our middle class. And in the process, we are losing a sense of community. Our younger residents are fully engaged in their careers, and that is appropriate. But if the new demographic as I see it in the evening in Central Square, or at the innovation coffee shops in Kendall Square do not remain in the city — because there is no housing in which they

can raise their families, or, as seems to be the current trend, they are looking for new jobs every few years, who will be here in 10-20 years to run for school committee or city council, to volunteer on commissions, to bring their children to River Fest? How can we build a true community if young people are moving on or moving out?

I am deeply worried that I am preaching to the choir. Beyond the people who share my concerns, is anyone listening? Residents have only three minutes to speak at City Council, and some of the timing feels quite arbitrary. Community representatives to committees are chosen by the City Manager, not by their neighbors. Votes by the City Council are sometimes taken before residents have had a chance to speak. This is not the open, democratic city I once felt confident represented the interests of all its residents. Is anyone listening?

Phyllis Bretholtz  
Cambridge resident

Ensuring the success of competitive wrestling  
BU's decision to cut its program points to a larger problem for the sport

By Sam Shames

STAFF COLUMNIST

As a member of the MIT wrestling team and the greater wrestling community, I was saddened by Boston University's recent decision to drop its wrestling program. At a time when wrestling is still recovering from the shock of being dropped from the Olympics, this decision came as an added blow. However, I have been inspired by the way the wrestlers across the country have rallied together to try to save the program. While the university's decision was disappointing, it is also emblematic of a larger problem with the sport.

People think wrestlers are crazy. Wrestlers are perceived as a bunch of guys who willingly starve themselves to roll around

with other sweaty guys in spandex. In a recent article on BU's program, Kevin Paul Dupont writes, "Wrestlers are a stern bunch, often with a threshold for pain and love of near-hopelessness that borders on the maniacal, if not masochistic." Dupont perfectly captures the problem with wrestling: people outside the wrestling community view the actions of wrestlers as crazy because they don't realize what wrestlers get out of the sport.

The wrestling community must do a better job publicizing the life lessons wrestling teaches. When others gain this perspective and realize the joys the sport offers, our behavior may no longer seem so crazy.

The best way to change the perception of wrestling is by having wrestlers share their stories of dedication, resilience, pride,

sacrifice and triumph. Hopefully, by catalyzing a greater understanding of the sport, we will be able to inspire the next generation of great wrestlers, and great men.

## The best way to change the perception of wrestling is by having wrestlers share their stories.

When more people understand the merits of the sport, the chances of programs being cut may decline, and the sport may even return to the Olympic Games.

Since the Olympic announcement, the wrestling community has rallied together in support of our sport. Now, we should capitalize on this momentum.



## OPINION POLICY

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# Kendall approved, community speaks

*Even split between support and denouncement from community*

Kendall, from Page 1

Gregory Bialecki, the Governor's secretary of housing and economic development, said that approving the plan was critical to promote innovation and keep the Massachusetts economy growing.

Most reactions by local residents cited Cambridge-specific concerns in their opposition to the plan. In particular, many suggested that the changes in the local economy brought about by the zoning changes would create a squeeze on low-income and graduate housing. The *Cambridge Day* cited resident Gerald Bergman, who said "Now we know what kind of bribe it takes from MIT to secure that land. They want land for votes. This is what happens when Cambridge becomes a company town for the universities and biotech corporations."

According to the *Boston Globe*, MIT professor Frederick P. Salvucci said that MIT's lack of initiative to incorporate sufficient low-income and graduate housing in the plan was particularly harmful. "This is about gentrification," he said.

In a Letter to the Editor appearing in this issue, Cambridge resident Phyllis Bretholtz echoed similar concerns. "Young families cannot afford to buy homes and are moving

out. The school population is shrinking. We are losing our middle class. And in the process, we are losing a sense of community."

Denise Simmons, who voted "present" on Monday, wrote a column in the *Cambridge Chronicle* elaborating on her position. She said that while she did not support the plan in its form at the time of voting, she did not want to symbolically denounce a plan she had worked to improve. She listed many of her concerns with the plan that passed on Monday. She argued that provisions for affordable and graduate housing in the plan were insufficient, saying that the issue had "not been resolved to my satisfaction."

Simmons also felt that provisions for green space were lacking. She said she was satisfied with MIT's concessions for affordable ground level retail space and short-term "innovation space," but regretted that many of those points had not been formalized in writing.

Simmons also sought a scholarship for Cambridge students to attend MIT and urged MIT to allow the city to develop its Cherry Street property. She said that it would have been possible to achieve more concessions to and considerations for the local community if negotiations had more time.

## McCormick Student Art Gallery



EMILY KELLISON-LINN—THE TECH

The McCormick Student Art Gallery held the opening for its second round of exhibition on Sunday. The student-organized gallery displays selected artwork created and submitted by MIT students across campus. The gallery first opened last semester.

### Solution to Sudoku II

from page 5

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

### Solution to Techdoku II

from page 5

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

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

If you have questions about this program, or experience difficulty using the website, please contact Marlisha McDaniels, at the ISN: [mmcd@mit.edu](mailto:mmcd@mit.edu), 617.324.4700.

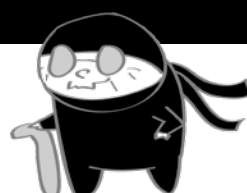
\*The Army Lab provides the intern's salary, which typically ranges from \$2280/month to \$2864/month depending on class year. Under certain circumstances the ISN can provide the intern with a supplement of up to \$1500 to defray costs of local accommodations and travel.

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## Daniel Shoemaker

### How do you like where you're staying?

I really like it! I'm surprised that Maseeh is as big as it is. I've toured other campuses and their dorms are tiny.

### Are there any things you're really looking forward to doing this weekend?

I've missed a few of them unfortunately, but basically everything. Everything's so cool, there's so many things to do, I'm just trying to figure out what all of them are.

### If you had to be any sea creature, what would you be?

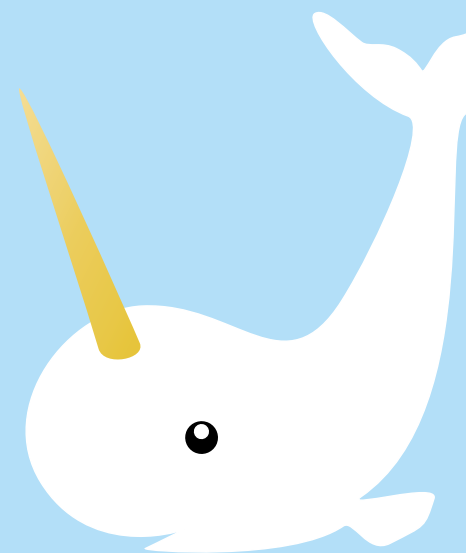
Probably a narwhal, because unicorns don't exist, but those are the closest things to them. Plus they're from the sea, and we all know that aquatic animals are cooler than land animals.

# Prefrosh at CPW

*Campus welcomes prefrosh parents with variety of activities*

This weekend, MIT takes up a lively, festive appearance as the Institute gears up for the Class of 2017's Campus Preview Weekend (CPW). 1085 prospective freshmen (or prefrosh) arrived on campus, with about 800 parents. They traveled from all over the world, with 28 inter-

national students from Australia, the United Kingdom, Nigeria, Saudi Arabia, Belgium, Switzerland, Russia and Canada. They roamed around campus, chatted with prefrosh, and discussed how they're spending their CPW. Here's a look at some of the highlights.



## Dana Vigue

### What are you most looking forward to this weekend?

Meeting people who have the same really weird interests. This morning, I met this group of people who were all Course 8 (Physics) and all vegetarian and all wanted to go to the same thing with me. What are the chances of that?

### If you could go to any country where would you want to go?

I'd want to go to Switzerland, so I could go to CERN's headquarters and try to get a tour.

## Interactive CPW games

Each year, CPW sees slight changes in activities and programs designed to improve the experiences of students. According to Katie A. Kelley, the assistant director of admissions, prefrosh will be able to play a series of interactive games this weekend designed to help them meet new people. "Since so many prefrosh ... end up enrolling, we really want to give them an opportunity to meet each other during CPW and make connections with each other. We've created a few different games to do this."

In one such game, prefrosh receive a button at check-in. Throughout CPW, they keep an eye out for another prefrosh with the same button to take a photo with. These photos are submitted to Admissions, and winners are awarded for the best photos.

Each prefrosh also received a piece of a giant puzzle. Kelley says that each prefrosh is a unique person, but together they make up the amazing Class of 2017. Through the puzzle and CPW, she hopes to help them explore and discover how they fit into the puzzle of MIT and the Class of 2017.

## Yazmin Guzman and Pavlina Karafilis

### How do you guys like it so far?

YG: There's been a lot of food. I haven't even been to that many events and I already can't handle it.

PK: Everyone's really friendly here, you can go up to anybody and they'll take your places and answer ANY of your questions.

### Do you guys have any plans for the weekend?

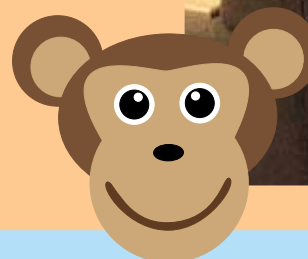
PK: Definitely want to visit East Campus and attend a class.

YG: I want to attend one of the FIREHOSE events or something where I stay up all night and do something.

### What is your spirit animal?

PK: A unicorn!

YG: A monkey because monkeys are awesome!



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**Abraham Quintero, Priya Kikani, and Carlos Cuevas**

**What are you most looking forward to this CPW?**

AQ: I like building things, I built a graffiti wall at East Campus today, and I want to build something tomorrow!

PK: I also helped build the Rock Climbing Wall.

CC: I'm really looking forward to the FIREHOSE events, like the "Real Math at 2 a.m." event.

**What's your favorite thing that you've been to all day?**

AQ: Mural making at Pika. I was surprised they gave me that much power to actually paint a wall of their house.

PK: Bexley, it didn't feel like a dorm, it felt like a modern art museum.

CC: I went to an aerospace panel where Prof. Hoffman was talking. He's one of the guys who helped fix the Hubble Telescope, it was pretty awesome, I got a picture with him.

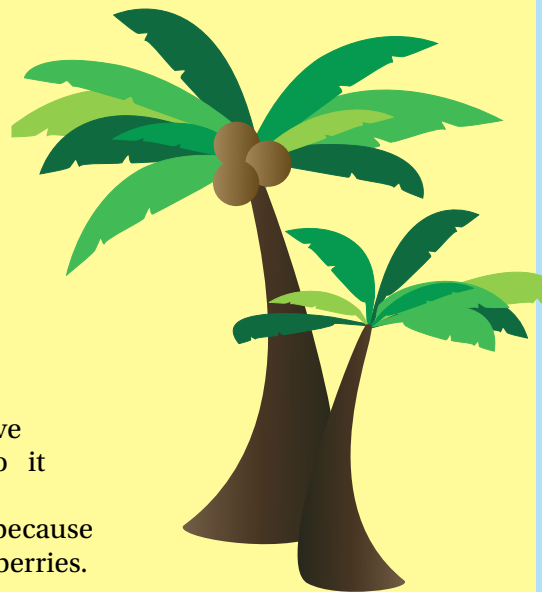
PK: That's the cool thing, you might be walking one day and think: that guy who held the door for me won a Nobel Prize.

**If you could be a fruit, which one would you be?**

CC: A pineapple, because they're awesome. I remember going through what used to be the largest pineapple maze in Hawaii — it was pretty cool.

PK: A coconut. I've been called nuts, so it seems to fit.

AQ: A strawberry, because everybody loves strawberries.



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**Exploring MIT**

In the excitement of CPW, many prefrush had difficulty deciding which events to attend. With over 700 events, many happening at the same time, how does one choose where to go?

Many prefrush spent their first few hours of CPW deciding which events to attend. Xuan Bui, from Maryland, even attended an event called "I'm here... now what?" and Allan Sadun, from Texas, set out to learn about the culture of MIT through dorm events.

Others focused on checking out academic events. Michelle Chal planned to explore an Course 10 (Chemical Engineering) open house, while Austin De Mallie, from southern California, attended a Course 20 (Biologi-

cal Engineering) lecture. He also planned on attending a football info session, stating that he plans to join a football team in college.

While students were engaged in various activities around campus, parents were busy exploring MIT as well. Sushila Bhandari, mother of Nischal Bhandari from Texas, went to an event to meet parents of current students to learn about MIT from the perspective of parents. Thanh Bui, father of Xuan Bui, went to an info session about campus safety and security. Despite his concerns about the traffic on Massachusetts Avenue, the excitement of CPW reminded him of his college days. "I wish I could go back to college," he laughed.

Content by Stan Gill, Stephanie Holden,  
and Tamanna Urmi  
Layout by Judy Hsiang







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Sunday @ 9:45 AM  
Twenty Chimneys  
3rd floor, Student Center

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# A new mobile records database for police officers

## New York police add dedicated smartphones to their arsenal of law enforcement tools

By Wendy Ruderman  
THE NEW YORK TIMES

NEW YORK — As the officers walked up to the entrance of a Harlem housing project, a loose knot of people out front scattered into the damp, dark night and a few lingerers cast cold stares at the officers. One of the officers reached into his pocket and pulled out the newest tool in the Police Department's crime-fighting arsenal: a smartphone.

Officer Tom Donaldson typed in the building's street address and, with a few taps of the screen, an astounding array of information bloomed in his palm.

The officers suddenly had access to the names of every resident with an open warrant, arrest record or previous police summons; each apartment with a prior domestic incident report; all residents with orders of protection against them; registered gun owners; and the arrest photographs of every parolee in the building. The officers could even find every video surveillance camera, whether mounted at the corner deli or on housing property, that was directed at the building.

"You can see that in this one 14-story building there are thou-

sands and thousands of records," Donaldson said while canvassing the Lincoln Houses on Park Avenue during a 6 p.m. to 2:30 a.m. tour starting Wednesday night.

"If I see that in the last month, there have been six arrests on the seventh floor for drug trafficking, maybe I want to hang out on the seventh floor for a while," he said.

The Police Department has distributed about 400 dedicated Android smartphones to its officers, part of a pilot program that the Police Department began quietly last summer. The phones, which cannot make or receive calls, enable officers on foot patrol, for the first time, to look up a person's criminal history and verify their identification by quickly gaining access to computer-

ized arrest files, police photographs and state Department of Motor Vehicles databases.

The technology offers extraordinary levels of detail about an individual, including whether the person has ever been "a passenger in a motor vehicle accident," a victim of a crime or in one instance, a drug suspect who has been known by police to hide crack cocaine "in his left sock," according to Donaldson.

"I tell them, I'm going to see your picture," the officer said. "They don't realize we have this technology. They can't tell me a lie because I know everything."

The phone application is significantly different from the computers installed in roughly 2,500 patrol cars. With the laptops, the Internet

connection can be slow and spotty in some of areas of the city, and officers have to log in to separate databases with multiple passwords to retrieve information.

"With one entry point, you can get to a lot of different databases — quickly," police Commissioner Raymond W. Kelly said in an interview Wednesday.

Without the phone, officers who stop a person for a violation, for example, can sometimes get barebones information by radioing in a name to a police dispatcher, police said.

"Our dispatcher will tell us if they have a warrant or not, but it's a simple yes or no answer," said Donaldson, who is assigned to the Housing Bureau. "I don't know if

the guy is wanted for murder or for not paying a parking summons. We rarely know. Now we know."

The phone is particularly helpful when officers respond to a call of a domestic dispute. It allows officers to know how many times police have been summoned to the residence, providing details on those incidents. Typically, officers do not have this information, Kelly said.

Donna Lieberman, the executive director of the New York Civil Liberties Union, said although the new phone technology held "enormous promise to improve policing and public safety," she had concerns about "whether it will become a vehicle to round up the usual suspects, to harass people" based on information in the police databases.



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## Coop Student Board of Directors Election Update

The following student Coop members are candidates for the Board of Directors for the 2013-2014 academic year.



**MIT Undergraduate Students:**  
Paige Finkelstein, 2014  
Emma Kane, 2015  
Josh Dunaway, 2014  
Eric Ruleman, 2016

**MIT Graduate Students:**  
Samuel Shaner, PhD, 2015

**Harvard Undergraduate Students:**  
Joshua Zhang, 2014  
Cody Dean, 2014  
Madeleine Smith, 2016  
Daniel Kramer, 2015  
Monika Lutz, 2015

**Harvard Graduate Students:**  
Oliver Hauser, PhD, 2015  
Patrick Rich, PhD, 2015  
Sneh Patel, MBA, 2014

**Voting Deadline  
is April 25**



## Next Act puts on the musical *Aida*



NICHOLAS CHORNAY—THE TECH

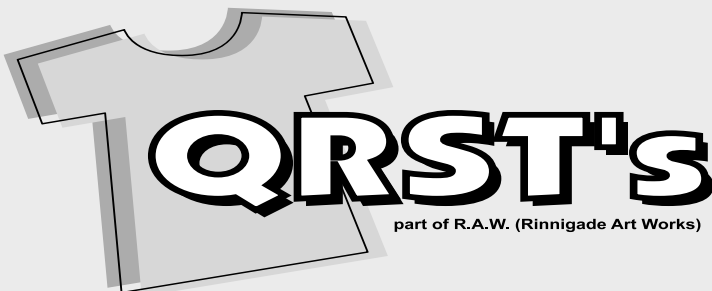
Radames, captain of the Egyptian army (played by Zachary J. Casas '13) mourns his fate during a dress rehearsal of Next Act's production of the musical *Aida*. The annual show runs Thursday, Friday, and Saturday evening this week.

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### Solution to Sudoku

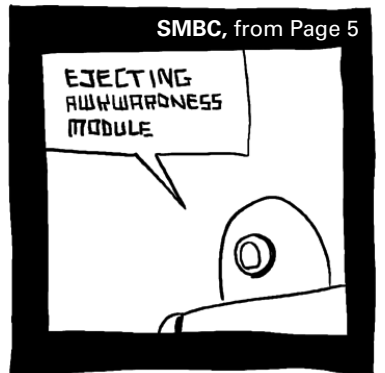
from page 5

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

### Solution to Techdoku

from page 5

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



### Solution to Crossword

from page 6

RAISE	WHIT	ASPS
ACRES	AIDA	SHOO
CHICKEN	POX	HEIR
YESSIRE	LIETEST	
	MASS	ROPES
NACHOS	TAPINS	
OBOES	HURON	HAM
SEWS	JODIE	MAXI
ETC	TOYED	PANEL
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# Gun control a liability for swing-state Democrats

## Political perils for Democrats in swing-states and rural Republican states are real threats

By Jonathan Weisman  
THE NEW YORK TIMES

WASHINGTON — The families of the Newtown, Conn., shooting victims who have converged on Capitol Hill this week made a point of visiting Sen. Heidi Heitkamp, a freshman Democrat known for the “North Dakota nice” of her home state, but on the main issue that brought them here — limiting the capacity of gun magazines and universal background checks — she curtly rejected their pleas for support.

“In our part of the country, this isn’t an issue,” she explained in an interview afterward. “This is a way of life. This is how people feel, and it is extraordinarily difficult to explain that, especially to grieving parents.”

Bottom line, she said, “I’m going to represent my state.”

For years, guns have been the issue that swing-state Democrats like Heitkamp have sought to bury. Leading Democratic strategists still believe the assault weapons ban and

the creation of background checks were a driving force in the Republican landslide of 1994. Six years later — after the Democratic presidential nominee Al Gore lost his home state, Tennessee, the once-reliably Democratic West Virginia, and Arkansas, home to Bill Clinton, amid an onslaught of advertising by the National Rifle Association — many of those strategists vowed to let the issue of gun control lie dormant indefinitely.

Today, however, many Democrats insist the mass shootings in December at Newtown, after similar shootings in Aurora, Colo., Tucson, Ariz., and Virginia, have changed the politics of guns.

“We’re letting our country be governed and dictated to by the extremes,” Sen. Joe Manchin III, D-W. Va., who once fired a rifle at President Barack Obama’s energy bill in a campaign commercial, lamented as he met with seven family members of children and educators slain at Sandy Hook Elementary School in Newtown.

To other Democrats from rural Republican states, however, the landscape does not look all that different, especially if they are standing for re-election next year. Only two Democrats, Mark Begich of Alaska and Mark Pryor of Arkansas, voted against Thursday’s procedural vote to break a filibuster to take up the gun legislation. But others are in question for the final votes.

“We might feel good about passing something new, but what we need is already law,” Begich said after the vote, echoing the traditional gun-rights argument that greater enforcement of existing laws — not additional legislation — would suffice.

Besides senators Begich and Pryor, there are other Democrats in question for the final gun votes. Max Baucus of Montana, Mary L. Landrieu of Louisiana and Kay Hagan of North Carolina all face tough races next year — and tough choices now.

“I don’t support the bill, but I

support open debate,” Baucus, who won the endorsement of the NRA in 2008, said after the vote. “Montanans are opposed to this bill — by a very large margin.”

The political perils for such Democrats are real, said Vic Fazio, a former California congressman who headed the Democratic Congressional Campaign Committee in 1994 when a four-decade Democratic House majority was swept away. There were other issues — tax increases, a failed health care overhaul — but gun control loomed large, he said. The NRA’s power may have diminished since then, he said, but it has also concentrated in rural, conservative states.

President Barack Obama, until Newtown, had been a dutiful subscriber to the theory of avoiding the gun issue at all cost since the early days of his first presidential run. As recently as the second presidential debate with Mitt Romney in October, the president greeted a voter’s question on assault weapons with

a meandering answer that started, “We’re a nation that believes in the Second Amendment, and I believe in the Second Amendment. We’ve got a long tradition of hunting and sportsmen and people who want to make sure they can protect themselves.”

And supporters of the current push seem to accept that Democratic losses are inevitable.

“It’s going to be a very tough vote for a small handful of Democrats,” said Sen. Chris Murphy, D-Conn., one of the bill’s shepherds. “Regardless of whether we get 52 or 55 Democrats, we’ve always known we need Republicans.” Democrats like Heitkamp staked their conservative claims on guns. Her last campaign commercial of 2012 declared “schools and tractors and guns” to be “part of how we live.” Six days after the slaughter at Sandy Hook Elementary, she called the Obama administration’s gun proposals “way in extreme of what I think is necessary or even should be talked about.”

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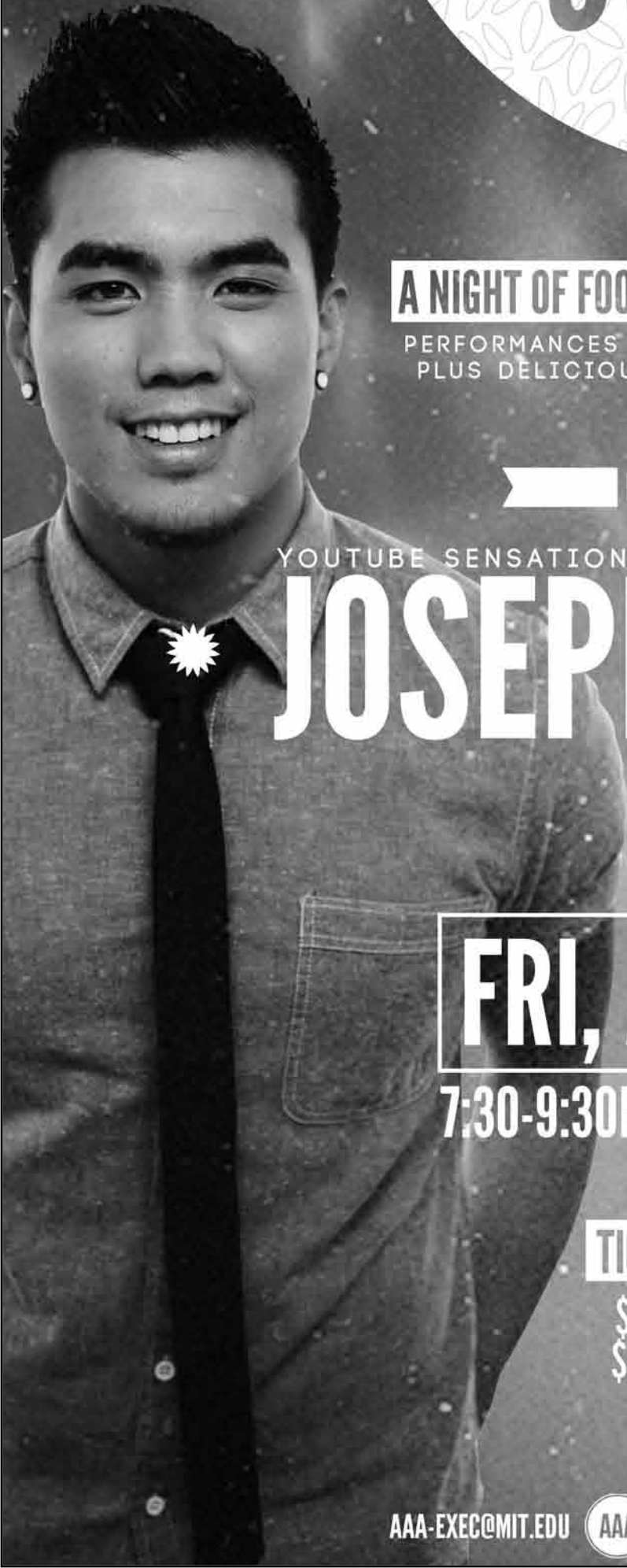


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# Wyatt L. Ubellacker '13 is Swimmer of the Year

*Ubellacker won two titles at 2013 NCAA Swimming and Diving Championships*

By Charlotte Brackett

DAPER STAFF

Wyatt L. Ubellacker '13 has had quite the impressive year: the senior helped lead the men's swimming and diving team to its fifth consecutive New England Women's and Men's Athletic Conference (NEWMAC) title, was named the NEWMAC Swimmer of the Year for his five first place finishes, three of which were individual, and set four conference records.

A month later, Ubellacker was named the Swimmer of the Year at the 2013 NCAA Division III Swimming and Diving Championships after claiming two national titles and a national record. He led the Engineers to a third place finish, which is the highest they have ever placed in the team rankings. This past summer, he became the first MIT swimmer to compete in the U.S. Olympic Trials, finishing in 21st place in the 50-meter freestyle. He did this all while maintaining a 4.9 GPA.

## Ubellacker led the Engineers to a third place finish — the highest the team has ever placed.

Ubellacker said it was an easy choice when it came to picking a college. "I knew I wanted to swim in college, and I knew MIT had a really good academic reputation," he said. "It wasn't that tough of a decision, to be honest. I applied early and got in early and once I got in, I was dead set."

When asked what it means to be a Division III student-athlete, Ubellacker said that

it "gives me a good break to unwind from school work, and have something to focus on besides problem sets. I find that I am much more productive after working out, and I can't imagine my college experience without athletics and swimming."

For Ubellacker, who will be graduating in June with a degree in mechanical engineering and starting a job with robotics company Vecna the following month, his favorite memory was watching the underclassmen learn and grow. "When I came in as a freshman, I really looked up to the seniors and, every year, it is great to see how enthused each class are and how much talent they have. It is great to see what I feel is a reflection of what I was like as a freshman."

Acting head coach Samantha Pitter, who has been working with the team for the past five years, said that she was blown away by Ubellacker's performance at NCAAs, attributing his achievements to a newfound confidence. "I think all of his hard work over the four years finally paid off," she said. "Trials gave Wyatt a taste of that next level and when he saw it and was part of it, he wanted more. It gave him the drive to do well this year and that experience is really what is behind all of his success."

At last year's NCAA Championships, Ubellacker walked away with two third and one seventh place finish. When asked if he had trained differently to achieve the level of success this year, he said a number of factors had been changed.

"Starting last summer, I did less heavy lifting and focused more on reps than weight," he said. "In the water, we worked more on technique, starts and turns and underwater. I went in every morning to work on that. It is hard to tell what really made the biggest

difference. I feel like everything contributed a little and added up."

Pitter said that she had changed practices for everyone this season, not just Ubellacker. "We tried something different for Olympic Trials that really seemed to work so we brought it to the season," she said. "We changed the cycles of training and did more aerobic-based stuff, which gave him endurance for the fly which was missing before."

## What's next for Ubellacker? He isn't going to walk away from the pool and hang up his goggles just yet.

Going into NCAAs this year, Ubellacker had one simple goal: to get best times in all of his events, which he achieved. Being the national champion in two of his events was just icing on top of the cake.

"I definitely thought I had a good chance of winning, but I just wanted to focus on my events," he said.

Pitter said that her first goal was for the team to get third. "My agenda from day one was to take down the top teams," she said. "My goals for Wyatt individually were to get best times, which he did. I knew it was possible that he could win ... I knew as soon as I saw his morning swim in the 50 free that no one was going to be able to touch him ... it was pretty clear he was the man to beat in the pool."

In the 50 free on the first day of competition at NCAAs, Ubellacker was seeded third with his time of 20.01 from NEWMACs. In

the preliminary session that morning, he finished in 19.51, breaking the 20 second mark for the first time in his career, and placing him in first going into finals. That evening, he held on to first place with a time of 19.81.

The next day, Ubellacker moved up from seventh to first in prelims of the 100-yard butterfly with his time of 47.34, breaking the 13-year-old national record of 47.43. At finals, he won his second national title after touching first in 47.41. On the final day, he touched second in the 100-yard freestyle in 44.01 after going 43.92 that morning. Throughout the week, Ubellacker was also part of the 200-yard medley relay that finished first and the 200-yard freestyle relay that placed second.

With the season officially over, Pitter said she was incredibly proud of all Ubellacker had accomplished throughout his time at MIT. "The biggest thing for me has been watching him grow, not only as a swimmer but as a student-athlete, and really become a leader for the team and someone for them to look up to," she said. "He has been a true backbone of this program for the past four years."

So what is next for Ubellacker? He isn't going to walk away from the pool and hang up his goggles just yet.

"I'm not ready to be done," he said. "I feel like I haven't reached my peak and I'm not quite ready to stop until I reach my full potential. So I'm going to keep training. I am going to compete in the World Championship Trials at the end of June (in Indianapolis) ... it kind of hit me all of a sudden at the end of the meet that, from now on, I'm going to be swimming by myself. Training with a team is a whole different experience. I'm really going to miss that."

## Men's volleyball wins final home match of season

*MIT defeated Endicott College in three sets: 25-18, 25-22, and 25-22*

By Mindy Brauer

DAPER STAFF

In its final home match of the regular season on Tuesday night, the nationally-ranked MIT men's volleyball team defeated Endicott College, 25-18, 25-22, 25-22. The victory

extended the Engineers' winning streak to 12 and lifted their record to 24-11 on the year while the Gulls dipped to 20-9 on the season.

MIT raced out to a 7-2 lead in the opening set, but Endicott battled back as a serving error narrowed the gap to three (11-8). A pair of kills from Alexander C. Klein '15 sandwiched by a Gulls' miscue gave the Engineers some breathing room. Endicott came within four points on four occasions, the last because of a serving error. MIT responded to this with a 5-1 spurt, prompting a timeout by Endicott. A kill by Endicott's Carter Roche coupled with a hitting error extended the frame; however, an exchange of points ensued before a serving error gave the Engineers the win.

Klein's strong serving and back-to-back aces helped MIT build an 11-4 margin in the second match. The Gulls slowly chipped away at the deficit as a strike by Matt Devendorf brought them within one (16-15) and resulted in a timeout

by the Engineers. Following the break, MIT picked up three of next four points and an exchange of sideouts gradually moved the score to 23-20. Endicott capitalized on a serving error and another Devendorf hit but its late rally was thwarted due a four-touch call and a block by Patrick J. Vatterott '13 and Paul M. Syta '14.

The Gulls established a 7-6 edge in the final frame courtesy of back-to-back four-touch violations by the Engineers. MIT replied with four straight points to capture a lead it would not relinquish. Endicott, however, stayed close and narrowed the gap to one on six occasions. A blast by Vatterott along with a hitting error gave the Engineers match point but a serving error kept the Gulls alive. This was as close as it would get and a hitting miscue ended the match.

Matthew P. Hohenberger '13 registered a match-high 13 kills to go along with four digs and two aces for MIT. Kenneth M. Siebert '14 posted 11 kills while Klein finished with six kills and two aces. Andrew A. Busse '15 chipped in six kills as Vatterott recorded six blocks. Brendan S. Chang '16 led the way with 16 digs and Christopher T. Omahan '15 notched six digs. Syta rounded out the Engineers with 38 assists and seven digs.

Next up for MIT will be a trip to No. 1 Springfield College on Saturday, April 13.



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**TRAINING WORKSHOPS**      Tuesday, April 23<sup>rd</sup> & Tuesday, April 30<sup>th</sup>  
6 - 8 p.m.

Ryan Betts, VoltDB's field CTO, will be on-hand to help you walk away armed with the knowledge you need to build the next killer app.

**Seating is limited** – so register today for one of these upcoming sessions: [voltdb.com/hackathon](http://voltdb.com/hackathon)

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**HACKATHON WEEKEND**      Saturday, May 4<sup>th</sup>: Training Workshop  
Sunday, May 5<sup>th</sup>: Hackathon  
Full-day sessions (10 a.m. - 6 p.m.)

Join us on Saturday, May 4th for more training plus some time to get a headstart on your project at hack/reduce. The official hackathon will be held on Sunday, May 5th and we can't wait to see what you come up with - the demo party will begin at 4 p.m.! And yeah, the hackathon overlaps with Cinco de Mayo – so of course we'll be serving beer, margaritas and great food to celebrate the day.

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**WANT TO JOIN US?**

Of course you do! Register today to save a seat: [voltdb.com/hackathon](http://voltdb.com/hackathon)

Want to know what's going on between issues of *The Tech*?  
Find out what's happening right now at [techblogs.mit.edu](http://techblogs.mit.edu).



**Engineers fall to Babson College in extra-inning game, 5-2; Next game is Saturday, April 13**



Nicholas J. Locascio '16 pitches in MIT's baseball game against Babson College Tuesday afternoon. The Engineers lost 5-2 after 13 innings.

AKIMITSU HOGGE—THE TECH

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**UPCOMING HOME EVENTS**

**Friday, April 12**

Softball vs. Babson College *3 p.m. and 5 p.m., Briggs Field*  
 Men's tennis vs. Amherst College *4 p.m., DuPont Tennis Courts*

**Saturday, April 13**

Track and field vs. Bates, Colby, USM *12 p.m., Steinbrenner Stadium*  
 Baseball vs. U.S. Coast Guard Academy *12 p.m. and 2:30 p.m., Briggs Field*  
 Men's tennis vs. U.S. Coast Guard Academy *1 p.m., DuPont Tennis Courts*  
 Women's lacrosse vs. Drew University *1 p.m., Roberts Field*  
 Men's lacrosse vs. Babson College *4 p.m., Roberts Field*

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STARR FORUM



**ON THE ROCKS**

China and Japan in the East China Sea

Friday, April 12, 2013

4:30p - 6:30p

Bartos Theater | Bldg E15-070  
 20 Ames St, Cambridge

Speakers include:

Taylor Fravel (MIT), Yukio Okamoto (Visiting Fellow, MIT),  
 Charles Glaser (GWU), Mike Mochizuki (GWU),  
 Liu Weimin (Chinese Embassy, Washington, D.C.)

Moderated by Richard Samuels (MIT)

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*HOSTED BY THE TECH*

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**3PM-5PM**

After the Activities Midway

TECH OFFICE

**W20-483**

Student Center 4th floor,  
just follow the signs!

Come visit our office and finish off our cake after the Activities Midway. Play Super Smash Bros., chat with our staff, and learn about newspapers!

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