Hilltop's Oldest and Largest Newspaper

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Tuesday, February 11, 2014

REPORTER’S NOTEBOOK

2016 Ring Premiere is true to tradition

RingComm presents new design in an event full of jokes, rowdiness

By Kath Xu

Last Friday evening, I joined my fellow members of the Class of 2016 as we came together to watch the unveiling of this year’s Brass Rat design. Before the doors even opened, we already had a class-bonding experience — waiting outside Kresge in freezing temperatures.

Seven p.m. had come and gone by the time Ring Committee finally let us in, herding us into two lines to enter the auditorium. Like the people in front of me, I grabbed a raffle ticket on the off chance that I might win a free ring (I didn’t), and went on my merry way to take a seat with my friends. At the time, I didn’t realize that some people would cheat and grab more than one raffle ticket. Later during the presentation, the committee members would raffle off entire rings and generous subsidies.

They shouldn’t have given out the raffle tickets in big boxes — people were taking handfuls and lifting the odds in their favor for the not insignificant giveaways.” Clarissa M. Towle ’16 pointed out after the ceremony.

Having lined up only half an hour early, I decided to just go for the seats in the back section, as many blocks of seats in the front had already been taken. Although Ring Premiere hadn’t begun yet, the sorority chants and other raucous cheers already had.

Alumni, Page 13

IN SHORT

Nominations for the 2014 MIT Awards are now open. Submit a nomination online at awards.mit.edu. There are eight categories and 30 awards, some of which have multiple recipients. The deadline for nominations is Friday, April 11. The ceremony will be held in May.

There is no school on Monday, Feb. 17 because of Presidents’ Day. Enjoy the day off and use it to catch up on some much-needed sleep (or party).

MIT classes will run on a Monday schedule next Tuesday. Normal class schedules will resume as usual on Wednesday.

The Spring 2014 meal plan change period ends on Thursday, Feb. 13. You can only change your plan once per semester, and must do so online at https://odysseycms-web.mit.edu/hms/1967classbonding/event sophomore. Keep in mind that requests will take one business day to process.

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

NEWS BRIEFS

Leland Cheung vies for Lieutenant Governor position

Leland Cheung MBA ’10 recently announced a bid for Massachusetts’ lieutenant governor position, under the Democratic Party. Cheung, a graduate of MIT’s Sloan School of Management and Harvard’s Kennedy School of Government, is serving his second term on the Cambridge City Council. According to the Boston Globe, Cheung is planning on investing six figures into his upcoming campaign. He stated in an interview with the Globe, “I think I have an opportunity to help the Democratic ticket in November.”

As the first Asian-American to serve on the Cambridge City Council, Cheung states on his website that he is “making Cambridge more progressive, using technology to modernize government, and driving the innovation economy.” Cheung is also a venture capitalist, one of his first jobs in the Boston area was as a Senior Associate at Masthead Partners, a Cambridge-based venture capital firm.

The issues that I’ve been tackling as a Cambridge city councillor, the challenges and opportunities we’ve faced in the city are the same ones that exist in the Commonwealth,” Cheung stated in an interview with The Crimson. Cheung has served four years on the Cambridge City Council, winning both elections with the most number of votes. The Massachusetts’ lieutenant governor position has remained vacant since the resignation of Timothy P. Murray on May 22 of last year. Currently, the only other candidate for the lieutenant governor is Karyn Polito, who announced her bid with Massachusetts Republican candidate Charlie Baker, running to become the Commonwealth’s governor.

News brief, Page 7

Alumni share their experiences with the freshman class

Class of 1967 discusses MIT years

A forum entitled “Before and After — The MIT Experience,” took place Sunday in 2 West’s Mezzanine Lounge from 2 p.m. to 4 p.m., featuring four speakers from the Class of 1967 and three from the Class of 1986. The meeting of past and present MIT undergraduates was a cooperative effort between the 2017 Class Council and the 1967 Class Council. About 35 members of the Class of 1967 and about 20 members of the Class of 1986 attended.

The speakers from the Class of 1967 reflected on their time at MIT and the effect MIT had on the rest of their lives. Several of the speakers noted that their careers differed significantly from their undergraduate studies.

Joe Ferreira ’67, current head of Urban Information Systems in Course XI, said he originally majored in ECEs. Of MIT students, he noted that “what they actually end up doing is different in terms,” but that they “still want to change the world.” Larry L. Constantine ’67 said he had experienced culture shock when he first got to MIT and found himself surrounded by people who were “smarter than him.”

Constantine, who is now a published author under the pen name Lisa Samson, described how he received his first F on an assignment while at MIT. He said that Prof.
Michael Sam may become the first publicly gay player in the NFL

By Ron Nixon

WASHINGTON — Immigration reform that houses solely on enforcement would cut agriculture production and cause a sharp rise in food prices, according to a new study released Monday.

The study, which was commissioned by the American Farm Bureau, the nation’s largest farm lobby organization — said food prices would increase an additional 5 to 7 percent over current levels each year if enforcement-only policies were put into place, because of a lack of workers to harvest crops. It would cost the agriculture sector as much as $60 billion over the same period.

The study comes as Congress and the Obama administration are debating immigration overhaul proposals that would address the status of the country’s estimated 11 million unauthorized workers.

President Barack Obama had put forward a modest immigration reform proposal, but many Tea Party activists and conservatives in Congress have opposed all plans that offer amnesty for those in the country illegally.

Because of the opposition, Speaker John A. Boehner said last week that it was unlikely that an immigration reform bill could pass the House this year.

According to the report, the hardest hit domestic food sectors under an enforcement-only proposal would be fruit production, which would plummet by 30 to 61 percent, and vegetable production which would fall by 33 to 38 percent. Both fruit and vegetable harvesters are labor intensive sectors because most of the crops must be picked by hand.

The study also found that live stock production, which also depends on immigrant labor, would fall by 13 to 37 percent.

The Department of Agriculture’s main focus is on changing the H-2A visa program, which allows fruit and vegetable growers, as well as abattoirs to hire temporary workers for jobs that cannot be filled by Americans. The system allows foreign workers to enter the country on a visa for no longer than one year. But agriculture officials say the current system does not work because industries like dairy farming and meat production are year-round enterprises and are unable to fill their need for workers. They also say the program is overly bureaucratic. Among the changes the farm sector wants to see is the replacement of the seasonal visa program with one that would allow the farm sector to accept a job under a three-year visa.

The farm sector has been a core constituency of the Republican Party for many years. In the 2012 presidential election, farm-heavy districts voted overwhelmingly for the presidential candidate Mitt Romney.

Tom Nassif, president of the Western Growers and Chuck Conners, president of the National Council of Farmer Cooperatives, were among the group that attended the House hearing Monday morning.

Although Sam’s professional prospects are far from certain, NFL draft forecasters have predicted that he will be chosen in the early rounds — possibly even in the first round. Thirty-two players are selected in each round. Rarely are players who are drafted that high cut by teams, and often they become starters, sometimes in their rookie year.

But it is reasonable for Sam to wonder about the impact his declaration will have on his professional prospects.

“I’m not naive,” Sam said. “I know this is a huge deal and I know how important this is. But my role as right now is to train for the combine and play in the NFL.”
Tuesday, February 11, 2014

**North Korea balks again at bid to free American**

By Nick Cumming-Bruce

TOYKO — Tokyo voters chose the governing party candidate to be their next governor Sunday, rejecting the candidate of a rival prime minis- ter who had tried to turn the local elections into a referendum on nuclear power, “We are deeply disappointed — the crucial caveat “if there is a platform for this week’s talks, add-”

**North Korea baulks again at bid to free American**

By Nick Cumming-Bruce

SEOUL, South Korea — For a second time, North Korea has re- sided an invitation for a spec- ial session of the U.N. Security Council to block, to seek the release of Kenneth Bae, a former U.S. citizen and human rights missionary in the country for more than a year, the U.S. State Department said Sunday. In blocking the trip by Ambassa- dor deallocating the guiding power, the prepared the ground by meeting the opposition, backed by a U.N. Security Council resolution, the entire arsenal is to be destroyed by the middle of this year.

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SEXUAL ASSAULT AT MIT
How the Institute can do better
The community can do more to prevent sexual assault

By Cory Hernandez, Mittal Thakor, Crowndrews-Jubelt, and Chacha Durazo

Editor's note: This article is part two of a two-part series and it contains explicit references to sexual assault.

Where MIT's response falls short

Responding to calls for greater action to curb sexual assault on university campuses, President Obama recently reaffirmed his administration’s commitment to support survivors and fight against sexual assault. Under the current administration, the federal government has expanded the definition of rape of men. In addition, Congress and President Obama renewed the Violence Against Women Act and broadened its scope to include LGBT, Native American, and immigrant victims. And just this month, President Obama created the White House Task Force to Protect Students from Sexual Assault. The Boston Globe article mentioned in the first part of this series reported that reports of sexual assault were on the rise at Boston-area schools. But this potentially alarming statistic also suggests that students are feeling more supported and aware of how to make reports at their schools, that better victim advocates and reporting mechanisms are on the rise, and schools are beginning to keep better records of assault report statistics.

These successes on a national level serve as an example of what we must do as a community. We call on the students, faculty, staff, and administrators of MIT to do more. Just one instance of sexual assault or rape is too much. Yet MIT’s efforts to curb sexual assault sometimes fall short.

Specifically, when charges are brought, MIT’s disciplinary actions for those who commit sexual assault or rape do not always lead to expulsion. Many offenders are merely suspended or given a slap on the wrist and told not to do it again, whereas they ought to be expelled. As a result, some victims argue that MIT values protecting its public image over bringing perpetrators to justice. This is especially important because 63% of college men who rape will rape again, whereas they ought to be expelled. If the new training module makes no commitment to publish that the Student Activities Office, which is responsible for much of the activity, including many of the programs mentioned in this article out of a sincere space.

We have written this article out of a sincere affinity and love for MIT and a desire to make our community a safer and more welcoming space.

We suggest that MIT students be required to attend a training session provided by MIT Violence Prevention and Response (VPR) on sexual assault and rape prevention and response every year, not just during Orientation. In fact, the training received by freshmen is rather limited in scope. First, the video that students are required to watch over summer is laughably unengaging — some simply let it play and go do something else. The on-campus Sex Signals production has been known to be triggering, offensive, and lacking an effective debriefing for the scenarios of sexual assault portrayed by the actors. Furthermore, Sex Signals does not fully incorporate male and non-gender binary survivors, nor is the LGBTQI community. Perhaps viable alternatives to the existing orientation trainings include Speak About It, the production that recently replaced Sex Signals at Harvard, or a version similar to Tech Theater.

Whatever the new training module chooses, we call on the administrators to adopt a more effective program and to start a community-wide conversation about what is the best option for freshmen as well as graduate orientation. Fortunately, discussions have already begun on such alternatives.

Before Horizon orientation, many incoming students participate in freshman pre-orientation programs (FPOPs). The Freshman Leadership Program (FLP) is one example in which some of this article’s authors participated. One activity used by FLP — among other FPOPs — is based upon gender. After discussing male and female stereotypes, the activity asks participants to divulge personal information about their experiences relating to gender, including those regarding sexual assault. In particular, one author of this article was triggered to a great extent by much of the activity, including many of the stories others were disclosing. We ask that the Student Activities Office, which sponsors FLP, and the program coordinators and counselors extensively reevaluate this activity to ensure that it does not trigger statements can be avoided.

The Graduate Student Orientation, Prevention, Page 5

OPINION

OPINION POLICY

Editorials are the official opinion of The Tech. They are written by the Editorial Board, which consists of Chairman Annia Pan, Editor in Chief Austin Hens, Managing Editor Judy Hsia, and Opinion Editor Jacob London.

Disnests are the signed opinions of editorial board members and represent their publishing with the development of the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinions of the authors not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@tech.mit.edu. Hard copy submissions should be addressed to The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the publication date.

Letters, columns, and cartoons must bear the authors’ signatures, addresses, and telephone numbers. Unsigned letters will not be accepted. The Tech reserves the right to edit or condense letters, shorter letters will be given higher priority.

Once submitted, all letters become property of The Tech, and will not be returned. Letters, columns, and cartoons may also be posted on The Tech’s Website and/or printed or published in any other format or manner now known or later that becomes known. The Tech makes no commitment to publish all the letters received.

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We would also like to acknowledge the work that has been done in recent months, by students as well as staff, to educate the community on sexual assault.

We would be remiss to not mention the incredible work of the MIT Office of Violence Prevention and Response (VPR), staffed by merely three dedicated victim advocates. VPR provides resources for survivors of sexual violence, sexual harassment, dating violence, stalking, and counsels on tools for maintaining healthy relationships. If you need resources, advice, or any support, we encourage you to call VPR’s 24-hour hotline: 617-253-2300.

In addition, VPR and many students, faculty, and staff collaborate on the annual Sexual Assault Awareness Month series of events every April, including the campus version of the national “Take Back the Night” movement. Every year, the student organization Stop Our Silence produces The Vagina Monologues, a national movement and drama production about survivors of sexual assault and violence. Consider inviting your friends and community members to watch The Vagina Monologues with you in February.

In 2012, a new student organization called SAFER² (Students Advocating For Education on Respectful Relationships) was created with the goal of reducing sexual assault, campus culture, queer and multicultural identity. SAFER² was created with the goal of reducing sexual assault and advocating for healthy relationships. Consider watching and discussing this documentary of MIT survivors with your community and living group.

We deeply appreciate the work of VPR but recognize that the office is overstretched and understaffed for a university community of our size.

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Ring Premiere brings Class of 2016 together
Design pays tribute to Officer Sean Collier; tragic events of last year’s Boston Marathon

Premiere, from Page 1

At 7:30 p.m., RingComm Chair Patrick A. Lowe ’16 tried to start the ceremony, but was periodic- ally drowned out by enthusiastic shouts from the audience. As each of the ten other members of Ring Comm came onto the stage, the volume increased even more, as each fraternity or sorority cheered for their own members.

RingComm has been criticized for its exclusionary selection process.

In the past, RingComm has been criticized for its exclusionary selection process. I would really like to see Ring Comm make a more concerted effort to recruit non-fraternity and non-sorority members,” said Michael Y. Cheung ’16. “As it is, recruiting non-fraternity and non-sorority members, “ said Lowe. “There are always things that don’t go completely according to plan,” explained Lowe. “There are some things you just can’t plan for, like the noise issue.”

This year’s seal shank featured the Alchemist sculpture upholding the MIT seal, with the words “punt” and “tool.” Just like a Newton’s cradle, the Alchemist stands strong and as the namesake of our Class of 2016, the Alchemist’s arms, “said Cheung. “The Boston skyline included a large “1” on the Prudential Cen- ter in commemoration of the One Fund that was created in the af- ternath of the tragic events of the Boston Marathon, while the Cam- bridge skyline included a silhou- ette of Bentley Hall. “I really liked the nods towards Officer Sean Collier and the victims of the Boston marathon bombing. It wouldn’t have been right if they weren’t there,” noted Towle.

As per tradition, the Class of 2016 held a disk with the Mayan calendar, in tribute to the survival of our class through breaking scientific discoveries and progress. The underside of the bezel was printed on it, while her right hand wore the MIT Police badge proudly im- pressed on it, while her right hand was clasped around a speared with her thumb pointing up - reminding us of the right-hand rule we all used in our GIB’s. Meanwhile, the three- headed dog Kerberos stood watch on the steps of Killian. I missed a lot of these details the first time, as I couldn’t hear half of what was being said on the stage. “Way too many people were drunk and oblivious, but it was to be expected,” said Towle ’16 after- wards. “People really need to learn how to be quiet, though.”

In an email interview with The Tech, RingComm acknowledged the noise issue:

“Nothing is perfect, and there are always things that don’t go completely according to plan,” explained Lowe. “There are some things you just can’t plan for, like how excited the crowd was.”

The Tech Tuesday, February 11, 2014

The Tech Tuesday, February 11, 2014

The beaver of 2016 is youthful and proud. His right hand holds a disk with the Mayan calendar, in tribute to the survival of our class through breaking scientific discoveries and progress. The underside of the bezel was printed on it, while her right hand wore the MIT Police badge proudly impressed on it, while her right hand was clasped around a speared with her thumb pointing up - reminding us of the right-hand rule we all used in our GIB’s. Meanwhile, the three- headed dog Kerberos stood watch on the steps of Killian. I missed a lot of these details the first time, as I couldn’t hear half of what was being said on the stage. “Way too many people were drunk and oblivious, but it was to be expected,” said Towle ’16 afterwards. “People really need to learn how to be quiet, though.”

In an email interview with The Tech, RingComm acknowledged the noise issue:

“The execution of the FUN- TOOL could have been better – I wouldn’t have known it was supposed to be a Newton's cradle had they not said so, and it looks like the balls are hanging from the Al- chemist’s armpits,” said Cheung. “The Boston skyline included a large “1” on the Prudential Cen- ter in commemoration of the One Fund that was created in the af- ternath of the tragic events of the Boston Marathon, while the Cam- bridge skyline included a silhou- ette of Bentley Hall. “I really liked the nods towards Officer Sean Collier and the victims of the Boston marathon bombing. It wouldn’t have been right if they weren’t there,” noted Towle.

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2003: Interphase, MITES begins to accept non-minority students

By Nathan Collins

Editor’s Note: This article originally ran 11 years ago in Issue 3 of Volume 123 of “The Tech on Tues., Feb. 11, 2003.” “From the Archives” is the second of a recurring segment where we reprint articles from The Tech’s archives that are relevant or interesting to today’s MIT community.

MIT will open two minority-targeted programs to students of all races following a complaint against MIT filed with the U.S. Department of Education’s Office for Civil Rights, the Institute announced yesterday.

The programs, Project Interphase and the Minority Introduction to Engineering, Entrepreneurship, and Science, known as MITES, will now accept applications from students regardless of their race, though race will still factor into admission decisions, MIT said in a statement.

President Charles M. Vest said that MIT will “alter the programs in a provisional way” and work in the next year to find a permanent solution.

“I’ve always been very proud” of the programs, Vest said. “It was very painful to think this all through.”

The change comes as universities across the country nervously watch a federal investigation into affirmative action policies in light of a Supreme Court lawsuit challenging the admissions policy at the University of Michigan as illegally discriminatory.

Revised programs to keep goals

“After reviewing the programs and relevant law, MIT decided earlier this year to modify the selection criteria while maintaining the critical goals and purposes of these programs,” the MIT statement said.

MIT will work to continue and enhance minority outreach, said Chancellor Philip L. Clay PhD ‘75. MITES has “served very well,” he said. “I like to think when you look at the set of our programs,” they have done well, he said.

“The goal was always to attract students” who might not have thought about MIT or might not have thought they could get in, Clay said.

“I’m not sure what an honest university would be doing” if they did not have such programs, he said.

BSU president praises MIT

Kaseeta Coleman, president of the Black Students Union and an alumna of the MITES program, said that she is confident that “MIT will continue to attract” a diverse population.

“MIT has done an impeccable job” in supporting programs like MITES and Interphase, Coleman said.

Clay and Vest met with leaders of minority student groups, including the BSU, last night to discuss the decision.

“There was some sadness and some hope that the change does not reflect a reduction in our commitment” to MIT’s minority student programs, Clay said, adding that he and Vest affirmed MIT’s commitment to minority recruitment.

Coleman said that MITES was “one of the most important factors” in her deciding to come to MIT. The program, along with the Freshman Leadership Program, “helped me figure out how to succeed” at MIT, she said.

Complaint filed several months ago

The complaint against MIT was made several months ago and asserted that the programs were racially exclusive, Clay said, stressing that there had been no formal government investigation as a result.

Title VI of the Civil Rights Act of 1964 prohibits some discriminatory practices at institutions that receive federal money. Neither MITES or Interphase receives federal money directly, but because MIT receives federal money, the programs fall under the law’s purview.

The BSU first formulated Interphase in 1969. The program invites underrepresented minority students to campus for eight weeks of rigorous academics and an introduction to the Boston area.

MITES, a similar program for about fifty underrepresented minority high-schoolers, sends about thirty percent of its students to MIT, former MITES director William H. Ramsey ’51 said in 1995.

Ring Premiere 2016

Ring Delivery will be at State Room

Premiere, from Page 6

Suresh walked up to the podium to call him back.

“Wait, Patrick, that bezel was almost as bad as the Class of 2015’s,” she stated, eliciting boos from the Class of 2015 RingComm on the balcony.

The actual bezel featured a beaver holding an Olympic torch in its right hand, since our class came in during 2012 and will graduate in 2016. In its left hand, the beaver held a disc with the Mayan calendar, celebrating our survival despite the ancient Mayan prophecy of the end of the world last December.

Other details on the bezel included a dalek from Dr. Who, a globe to represent diversity, and an MIT admissions tube. HTFP was subtly engraved in the beaver’s tail.

Last but not least, the actual ring delivery location was revealed to be the State Room, located at the heart of Boston’s Financial District and at the top of a skyscraper.

Once the ceremony was over, there was a mad rush to get the free stuff on tables outside, which included commemorative T-shirts, shot glasses, and booklets explaining the design for everyone who couldn’t hear.

Admittedly, the excitement from the ceremony was infectious — I bought a ring the next day, receiving the $70 subsidy for being one of the earlier buyers. Judging by the lines, I know I wasn’t the only excited one.

FREE 2 AKC Tea Cup Yorkies Puppies

Male and female to a good home. They have current shots and play along with children and other animals.

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FREE 2 AKC Tea Cup Yorkies Puppies

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While branding has an established role in a business — we can all list traits of brands like Perche, Coke or McDonalds — what can a brand offer a person? An effective personal brand is one of the quickest and most effective ways to build credibility. Online branding, especially social media, has become the go-to way to check your competition. While branding has an established role in a business — we can all list traits of brands like Perche, Coke or McDonalds — what can a brand offer a person? An effective personal brand is one of the quickest and most effective ways to build credibility. Online branding, especially social media, has become the go-to way to check your competition.

Have you Googled yourself lately?
Tips for developing your personal brand

By Rayna Verbeck

There is no shortage of media buzz about the Millennial generation. From skyrocketing student debt, to the contract Negotiating against the backdrop, to the setbacks of coming of age in the worst recession in decades, the challenges of my generation are well-documented. The flip side of the doom and gloom prophecies is the unprecedented opportunities in the new economy for those who are willing to get creative and themselves reach their goals. Whereas you stage a traditional professional job, strike out as an entrepreneur, or work for 3-5 projects on the side, strategically managing your personal brand can be what sets you apart from your competition.

The first step is to Google yourself. Focus on the first page of results. How many of the links are sites that you are monitoring? And providing the content for, like a blog or Facebook? How many are sites by others, like a post you are tagged in or a new article about a club or school you are connected to? How many of them are surprising? Once you have a clear picture of your digital first impression, repeat the process with Google Images. With rare exceptions, anything coming up on the first page of Google image searches (or before the scroll) should be appropriate enough to use.

Once you have a clear picture of your current brand and have cleaned up any problem areas, it is time to focus on the hard part: deciding who you are and what you want. It is not easy to think of the definite essence of your current brand is one of the most effective ways to build credibility. Building your personal brand is a long-term commitment. After auditing Google, repeat the procedure and update as necessary. I untagged and deleted photos connected to my current projects, those links slowly moved off of the first page. I also had to clean up my Google Image results — unprofessional photos from college were still online and tagged to my profile. I untagged and deleted photos connected to my name and asked friends to do the same.

After auditing Google, repeat the process with the top 3 social media sites you incorporate. Once you design your personal brand, you should select the best online channels for your own content and audience — taking into account the ease of use for different sites and the time you have available to post and monitor content. With my personal brand, I found that Twitter, Facebook and Pinterest are best suited to the content I was interested in, whereas sites like Instagram and Tumblr were not a good fit. An effective personal brand is one of the quickest and most effective ways to build credibility. Building your personal brand is a long-term commitment. After auditing Google, repeat the procedure and update as necessary.

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THEATER REVIEW

A moving romance in a chaotic world

MIT Dramashop brings *Arcadia* to life in a brilliant and hilarious performance

By Chennah Heroor

Tom Stoppard’s *Arcadia* pairs the parallel stories of teenaged Thomaisa Coverly (Keenan A. Sunderwirth ’14) and her tutor Septimus Hodge (Garett W. Schulte ’17) in an early 19th-century England in Sidley Park, and follows Hannah Jarvis (Katherine A. Roe ’14) in modern day. While Thomaisa investigates determinism and physics near the turn of the century, Hannah uncovers the identity of Sidley Park’s mysterious hermit. During the first act, Thomaisa is revealed to be a prodigy, imagining equations and intuiting an explanation of entropy, despite remaining comically misinformed about “carnal embrace.”

Meanwhile, in the present, Bernard Nightingale (Trevor J. Mulchay ’15) visits Sidley Park and attempts to convince Hannah to help him research a book autographed to Septimus. He believes the book is the key to proving that an Lord Byron killed Ezra Chater (Neil Fitzgerald ’14), a minor poet. In the process, Hannah begins to research the inhabitants of Sidley Park, particularly Thomaisa.

By the second act, the two story lines begin to converge, and characters from both periods share overlapping scenes. *Arcadia* certainly poses grand, contradictory theories about the relationship between sex (and love) and academia. In some scenes it postulates that sexual knowledge is the antithesis of academic endeavors, only to later suggest that love is all that is left to us in a dying, chaotic universe.

But the play also includes many hilarious puns and double entendres. The gap between the intelligence of characters like Septimus and the dense Mr. Chater, as well as Bernard’s posturing and Hannah’s perceptiveness work together to set up sly jokes.

I particularly enjoyed scenes set in the earlier period featuring Thomaisa and Septimus. The richness of their language made their scenes funny and serious by turns without losing focus on the major themes of the play. Sunderwirth and Schulte carefully modulate their buoyant energy throughout the performance, keeping their repartee sharp throughout their evolving relationship.

Many of the present-day scenes from the first act seemed belabored, because most of the tension in these scenes revolved around Bernard’s misinformed investigation of the book, a topic almost completely explained earlier scenes.

By the second act, overlapping scenes removed this problem, and the play flowed more smoothly. Overall, *Arcadia* runs about 3 hours, including an intermission. While this is a significant commitment, the cast of Dramashop makes this investment both worthwhile and hilarious. During the quiet, painful conclusion of the play, I wanted to watch Thomaisa and Septimus’s last embrace again and again, wishing that the universe wouldn’t be quite so chaotic.

By Chennah Heroor

Tuesday, February 11, 2014

Smart Banking & Borrowing Tip

It’s about spending smart.

Get your MITFCU credit card at just 8.99% APR*

Manage your budget and shop easier with an MIT Federal Credit Union credit card. We offer a variety of options with limits ranging from $500 to $15,000 and no annual fee. Spending smart makes for a higher degree of banking.

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ERIC LEVENSON

MIT Dramashop performed Arcadia last weekend in Little Kresge Theater.
**Q.E.D. (Quite Easily Done)**

**BY ERIKA TRENT**

There's this guy I like, but I can't get him to notice me.

I've tried everything. I consciously sit in his field of vision.

I constantly play with my hair when he's around.

I've indicated my unconditional support for her.

How do I do that??

**Meanwhile...**

There's this girl I like, but I don't know how to approach her.

I publicly proclaimed my attraction to her.

I even dilate my pupils because research shows men find that attractive.

**I SAW YOU MIT**

In class, I saw you... pretty girl in my class.

1. deets?

---

**Sudoku**

Solution, page 14

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

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

---

**Techdoku**

Solution, page 14

```
20+ 40x
__ _ _ 1−
24x
3 2−
5x
60x
3
17+ 1−
2x
5
2−
8x
```

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

---

**Piled Higher and Deeper**

by Jorge Cham

**Tech Tuesday, February 11, 2014**

www.phdcomics.com
Fun Fun Fun Fun Fun
Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun

Tuesday, February 11, 2014

The problems with time travel...
I thought you'd be happier to be here after winter break.

But now you don't even want to be in this time period!

I want to change history...
...change it so war doesn't break out.

It's not that easy! Wars are caused by years of tensions!

You can't just prevent WWI by burning down every sandwich shop in Sarajevo! It takes generations to change the attitudes of entire nations!

[1327] Mobile Marketing

CNN hired you to improve viewership.

...YES, AND?

You texted “Holy crap, turn on the news” to a million random phone numbers?

It sure did work.

NOT WHAT WE MEANT!

Saturday Stumper I

Solution, page 14

ACROSS
1 American Idol hopefuls
9 Rats at Oxford
15 Artless one
16 Not clashing
17 De Gaulle predecessor as French president
18 Smarts
19 Head of tourism
20 Mountain pass
22 Concerts with fireworks
24 Windows users
27 Cast-list abbr.
30 Word from the Latin for “little napkin”
31 Like many a 32 Across
32 Where firings happen
33 Get Cs and Ds, e.g.
36 Like some bunk beds
38 Paint holder
39 Navigation de plaisance venue
41 Chime in
42 Ending like -ish
43 Mongolia’s Genghis Khan
46 Certain rehearsal space
47 Yielded to peer pressure, maybe
50 Fell Classic part-timers
51 Reiney by-product
53 Second chance
58 “I Can’t Say No!” singer
59 Renders unreadable
60 Ultimate

DOWN
1 Tender
2 Org. that creates output ceilings
3 TV guy and Popular Mechanics columnist
4 I may stand for it
5 First network to stream full-length episodes
6 Clerk
7 Weighed down by an Oscar song for 2012
8 Colors
9 Harlequinade
11 Are not fiddish
12 Piece of cheese
13 Splendor in the Grass screenwriter
14 Push to the limit
15 Be a slowpoke
22 Digs
23 Bit of Tolkien symbolism
24 Station
25 Superb
26 Erie or Huron
27 Attach, as a bookplate
28 Admixture
29 Setting of a Cussler novel
32 Shat
33 Filler of some reels
35 Jodie Foster, circa 1984
37 Pan feature
40 Box-of-chocolates pick
43 Checked in, maybe
44 Wicked character
45 Spirtely movements
46 Scream for
47 Many YMCAs offer prep for them
48 Online backpedaler’s intro
49 Weaver of iron gloves and a power-belt
50 Viva Rock Vegas character
51 “Can draw you to her with a single __”: Dryden
52 It may be slowed with reins
55 Polish off
56 Provo-to-Salt Lake City dir.

Somewhere on the Search for Meaning...

by Letitia Li

We’re firing you, but the online headline-writing division wants to hire you.

A webcomic of romance, sarcasm, math, and language

by Randall Munroe
Sudoku II
Solution, page 14

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

Techdoku II
Solution, page 14

48× 1− 6
270× 2− 2−
11+ 6× 12× 144×
2− 4×

Satuday Stumper II by some S.N.
Solution, page 14

ACROSS
1 Four bells, at sea
6 Take the lead
15 2013's cheapest city for dinner, per TripAdvisor
16 Big wheel
17 DeCaprio, at the end of Catch Me If You Can
18 Their emblem is the Eagle, Globe, and Anchor
19 Scanty
20 Moves with trunks
21 Grad students, frequently
22 Retro golf wear
23 Small choirs
25 Short petition
26 Mirrors
28 Word from Old French for “hold firmly”
29 Person often courted
30 Big name in harmless weaponry
31 Modern bookmark
32 Rude
33 TV genre
35 Wheels, bricks, etc.
36 Buccaneer
37 Software staple
38 Demonstrator, e.g.
40 Tube-top kin
42 Renders romantically
43 '70s Asian leader
44 Its genome is 100 times larger than humans’
45 Prada competitor
48 Soul ancestor
49 Analyze This director
52 Circus structure
54 Disraeli or Churchill

DOWN
1 Post-apocalyptic best-seller of ’78
2 Good garden-tool cleaner
3 Plugging or mugging, perhaps
4 Unskilled
5 Utah in The Greatest Story Ever Told
6 Turbulent
7 Where Goddard launched 31 rockets, 1930-41
8 Antagonism
9 Surname of two Massachusetts Constitution coauthors
10 Former Project Runway judge
11 It’s in the center of similes
12 Charged
13 Close relative of 14 Down
14 Private line
15 Artery, for short
51 Proprietor of imaginepeace.com
52 Go-getting
53 What’s the matter?
55 How many drive
56 Inconsequential
59 Forsyte Saga wife
60 It’s duller than cobalt
61 Mollusks, essentially
55
60 1 Post-apocalyptic best-seller
61 2 Good garden-tool cleaner
25 Forsyte Saga wife
59 Imaginepeace.com
Class of 1967 meets with freshman class
2017's also presented their stories

Alumni, from Page 1

met J. Larkin graded the essay and included the comment “no content, no structure, and your English is atrocious. See me!” When Constantine met with Prof. Larkin, he was told he would “never be able to write an intelligent sentence, much less an intelligent paragraph.”

Constantine took his professor's criticism as a challenge and is thankful for the experience. He said that “it’s a sad irony that that couldn’t happen today” due to “political correctness.”

Barbara Gilchrest ’67, who said she was the first in her family to go to college, described her process of choosing MIT while on a trip to Boston with a friend. She said that at the time, the girls at Wellesley were “sitting in their dorms, ironing their dresses and discussing their dates they were going to have that night,” while “the [radcliffe] girls were sitting around rather dejectedly talking about what a difficult, distressing world we lived in.” However, she said that the girls she met at MIT wanted “to talk about how they planned to change the world.” She explained that that is what made her fall in love with MIT. Now, she is a Professor and Chair Emeritus of Boston University School of Medicine’s Department of Dermatology.

Reflecting on her decision to attend MIT, she has no regrets. She learned here that “if you’re given a complex problem, you can logic it out.” She added that she “never again saw the intensity of work that [she] saw in the people around [her] at MIT,” and especially praised MIT’s leaders for taking action against gender discrimination.

Unlike the Class of 1967 speakers, the members of the Class of 2017 focused heavily on technical topics. Nikhil Buduma ’17 discussed biology and his research on giving cells the ability to perform computation, so that they can selectively repair genes. Clarisse Caliman ’17 reflected on her experiences traveling and working on social problems abroad. Ramya S. Raghavan ’17 followed up with a discussion about the cancer research she has performed and her plans to continue research in the future, while William W. Jack ’17 narrated his experience building a homemade particle accelerator.

Impressed, Bob V. Ferrara ’67 asked the speakers from the Class of 2017 how they had gained so much experience already. “We’ve never done any of this stuff; I’m impressed,” he said.

Jack replied that he believes that it is the Internet that has enabled the Class of 2017 students to do so much. It’s “a great forum for sharing knowledge,” he said.

In the future, Ferrara said that his class plans to host more events with 2017s.

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If you would like to learn more about this program, please consider registering at the website:
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The ISN The mission of the MIT Institute for Soldier Nanotechnologies is to help the Army dramatically enhance Soldier protection and survivability through basic research on nanotechnology and in collaboration with Army and industry partners to transition promising results of that basic research into practical capabilities.

* 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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Startups need room to grow
Small firms are vital to Boston’s success, report says

By Paul McCarroll
TUESDAY, FEBRUARY 11, 2014

TEN MILES wasn’t always a long haul. But for the types of companies that fill Cambridge’s Ken- dall Square and Boston’s Seaport, a dozen miles might as well be an eternity. Biogen Idec found this out in 2010, when the Cambridge biotech giant moved some of its workers from Kendall to a shiny corporate campus in Weston. The Weston digs were a quick car ride away from Biogen’s researchers in Kendall, but within a year, Biogen execs were laying plans to return to Kendall Square.

Tuesday marks the end of Biogen’s suburban odyssey — the opening of its newly built Cam- bridge headquarters. The opening shows just how drastically the geography of Massachusetts’s inno- vation economy has shifted. Com- panies once craved addresses in the toncy office parks that line Route 128 in the western suburbs. Big firms are now paying premiums to set up shop in the city, because they see huge value in clustering with like-minded companies.

The suburban exodus means demand for commercial space around Kendall Square and the Seaport is greater than it’s ever been. The danger is that all this de- mand prices out the small compa- nies that are driving the innovation economy’s urban movement in the first place.

Biogen couldn’t leave Cam- bridge behind because it belongs to an industry that thrives by keep- ing close to ideas and talent. Ken- dall Square’s biotech and phar- maceutical cluster keeps growing because large industry players feel the need to plant a flag in the neighborhood. “They’re collabor- ating with academics and smaller entrepreneurial companies, and proximity matters,” says Tom An- drews, the regional director for Al- exandria Real Estate Equities.

Alexandria FMRE that company is one of Cam- bridge’s largest landlords. The company developed the larger of the buildings Biogen left Weston for. Large companies like Biogen are crowding into places like Ken- dall Square, looking to be close to the numerous small companies the neighborhood produces. These small startups are the glue that holds Kendall Square together.

Big firms are now paying premiums to set up shop in the city, because they see huge value in clustering with like- minded companies.

A recent report from Harvard University’s Rappaport Institute for Greater Boston underscored the need for Kendall Square to protect and advance its startup culture. The report, by Ed Glaeser (who is a Globe op-ed contributor) looked at more than three decades’ worth of job performance across the country, and found that the number of small firms in a given region predicted its economic success. Metro regions with the most startup activity saw the most job growth, while cities that were good at producing startups had higher mobility and less earnings inequality. The report recommended that cities emphasis on small firms, and avoid policies that favor big companies.

The report echoes findings in other studies, which say that small startups are the glue that holds Kendall Square together. Boston has a history of throw- ing tax breaks at large firms. But Glaeser’s report suggests that if Boston and Cambridge are serious about attracting startups, they need to focus more on what’s causing compa- nies like Biogen, Novartis, Pfizer, Google, Facebook, Amazon, and

Getting Involved!
You can make a difference.

Get Experience!
Real issues. Real decisions. Real board experience.

Get Paid!
Receive a stipend for your time and commitment.
FOR THE PAST 5,000 years, China amassed a diverse legacy of heroes, myths, and values that still resonate in the present. Today, Shen Yun Performing Arts is reviving the world’s most ancient heritage in full color through dance and music. This past January, right before the Chinese New Year, Shen Yun sold out Lincoln Center, introducing an all-new 2012 show to New York City audiences. “It was an extraordinary experience,” said Academy Award-winning actress Cate Blanchett after watching Shen Yun. “The level of skill, but also the power of the archetypes and the narratives were startling. And of course it was exquisitely beautiful.” Shen Yun captures the spirit of ancient China, recalling the grandeur of a culture long lost. The show moves quickly from one story, region, and dynasty to the next. Down in the valley, ladies of the Yi ethnic group dance in rainbow skirts by the river. In the heavens, celestial fairies trail silken sleeves through the clouds. Resounding drums awaken the dusty plateaus of the Middle Kingdom. Gorgeous backdrops extend the stage, transporting the audience to distant lands and eras. An orchestra, combining Western and Chinese instruments like no other, accompanies with stirring scores. Dancers fly across the stage in an array of lifts, spins, jumps, and aerials. The energy of classical Chinese dance is contagious; the entire performance, mesmerizing.

“Fantastic!” says Joy Behar, from ABC’s The View. “If you ever get a chance to see it, you should.”

GLOBAL PHENOMENON THAT CANNOT BE SEEN IN CHINA

After performing before full houses across Asia and North America, New York-based Shen Yun Performing Arts is returning to Citin Wang Theatre in February for a limited four-show engagement. Shen Yun cannot be seen in China today where traditional culture has been mostly destroyed under communist rule. Yet, Shen Yun has become a global cultural sensation bringing the virtues and wisdom of traditional Chinese culture to millions of people across four continents. Discover what art was meant to be. Discover Shen Yun.
Men’s volleyball comes out with a 2-1 ledger in the first VCU Crossover tournament of the season

By Mindy Brauer

Serving as host for the first United Volleyball Conference (UVC) Crossover Tournament of the season, the MIT men’s volleyball team emerged with a 2-1 ledger at the conclusion of the two-day affair. The nationally-ranked No. 13 Engineers (6-3, 3-1 UVC) opened up action with a 19-25, 25-22, 25-26, 25-19, 15-13 victory over No. 7 Elms College but then fell to No. 6 Nazareth College, 25-24, 25-22, 25-13. MIT bounced back by blanking D’Youville College, 25-17, 25-12, 25-9, on Sunday afternoon.

Christopher T. Omahan ’15 amassed 16 kills, a .459 hitting percentage, 10 digs, and three blocks in the five-set thriller versus Elms. Aaron D. Zahedi ’17 posted eight kills and five blocks, and an ace as Martin J. Krasinski ’17 also added eight kills. Kenneth M. Siebert ’15 bolted the attack with seven kills while Bradley L. Gross ’15 recorded three blocks. Paul M. Syta ’14 tallied 35 assists, 14 digs, four blocks, and an ace as Brennan S. Chang ’16 racked up 23 kills. Alexander C. Klein ’15 rounded out the front row with four blocks while Evan Wang ’14 dished out eight assists.

In the match-up with Nazareth, Omahan paced the Engineers with seven kills and three blocks in addition to four digs. Syta added 35 assists and also served up five aces. Krasinski chipped in four kills and two blocks. Gross had two blocks apiece while Chang generated four digs. Syta finished with 22 assists, four kills, and four digs as Wang registered seven assists and four digs.

Krasinski powered the Cardinal and Gray with eight kills and a .583 hitting effort in its sweep of D’Youville. Klein also finished with eight kills going along with a .375 hitting percentage and four blocks. Nanindra N. Peaks ’17 connected on all four of his attack attempts to add two to the Engineers’ total. Syta chipped in five kills and two blocks, while Wang distributed 13 assists.

Next up MIT will be a road trip to conference foe No. 9 NYU on Wednesday, Feb. 12.

UPCOMING HOME EVENTS

Wednesday, February 12
Women’s Fencing vs. The Beantown
6 p.m., DuPont Athletic Center

Men’s Fencing vs. The Beantown
6 p.m., DuPont Athletic Center

Men’s Basketball vs. WPI
6 p.m., Rockwell Cage

Women’s Basketball vs. Wheaton College
8 p.m., Rockwell Cage

MIT hosts Gordon Kelly Invitational

Shivani A. Kaushal ’15 stretches out a pack of runners in the women’s 3000 meter race during the Gordon Kelly Invitational hosted at MIT this past Saturday. Both the No. 3 women’s and the No. 9 men’s indoor track and field teams will be participating in the Tufts Invitational this Saturday.

MIT snapped a two-game losing streak on Feb. 11, edging out a tough, highly-defensive-minded game at the U.S. Coast Guard Academy, 45-37, in a New England Women’s and Men’s Athletic Conference (NEWMA) men’s basketball contest. In a game that saw the two teams combine to make 16 of 46 three pointers and six of its players score 10 points each, including Matthew M. Redfield ’15 who also added five blocked shots for the Engineers.

MIT went 8-fore-10 from the free throw line down the stretch to ice the victory and sweep the regular season series from the Bears.

In a first half that saw the two teams combine for just 29 points, MIT (15-6, 6-4 NEWMA) did not make a field goal until the 13:58 mark when Andrew M. Acker ’15 laid one in. Coast Guard (5-16, 2-8 NEWMA) had hit two free throws in the opening minutes, however, and Acker’s basket had the Engineers within two at 6-4. After its opening treys, Coast Guard did not score again until 10:45 left and MIT put together a 10-0 run that was finished by pair of Redfield free throws that had the Engineers up 12-6 at the 10:34 mark. Kevin Alvarado sank a three-pointer for Coast Guard to break the Engineers’ run, but MIT answered with a 6-0 run on score six straight points for his free throw. His free throw with 2:09 left pulled Coast Guard to within one at 13-12, but Redfield answered with a layup to make the score 14-12. With the shot clock almost dicked out, Nicky Rodriguez brought it back to a one-point affair with six minutes left, but the scoring in the half finished with 10 points for MIT, with Frankel also finishing with 10 points for MIT, with Frankel also.

MIT will be back in action on Wednesday night when the Engineers host Wheaton at 7 p.m. in Cambridge, Massachusetts. The Engineers went 7-17 in conference play last season.

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