3.091 to return to traditional lecture format
Prof. Cima says edX trial results ‘not yet conclusive’

By Tiffany A. Chen
STAFF REPORTER

3.091 is reverting back to its original format of lecture/recitation as the semester-long experiment comes to an end. Findings from the experiment are not yet conclusive, 3.091 Professor Michael Cima wrote in an email to The Tech; the full report to the Committee on the Undergraduate Program is due at the end of February.

The experiment took elements from Cima’s 3.091 course on edX, a massive open online course platform developed by MIT and Harvard, and translated them to the School of Engineering. The space is operated by Lincoln Laboratory and provides space for students, faculty, and research from MIT and Lincoln Laboratory to collaborate on research projects.

Course 1 professor wins prestigious NSF award

Robert T. A. Alberty, assistant professor of Civil and Environmental Engineering and Mechanical Engineering has won a 2014 Early Career Award from the National Science Foundation.

The award is the NSF’s most prestigious award for assistant professors early on in their career.

OBITUARY

Robert A. Alberty, professor emeritus in the Department of Chemistry and former dean of MIT’s School of Science — whose seminal contributions to the thermodynamics and kinetics of biochemical reactions are still at the forefront of chemistry — passed away on Saturday, Jan. 18, at the age of 92.

A member of the MIT faculty since 1967, Alberty led the School of Science from 1967 to 1982, when he returned to teaching and research in physical chemistry. He became professor emeritus in 1991.

“Bob’s characterization of enzyme kinetics from 1955 to 1965 remains the model for investigations of enzymatic mechanism,” said chemistry department head Sylvia Ceyer, the J. C. Sherrill Professor of Chemistry. “His work is well-known for its utmost attention to detail, and despite being a demanding scientist, he was the quintessential gentleman — always kind and warm-hearted.”

Alberty’s work placed the kinetic model by Leonor Michaelis and Maud Menten some 30 years earlier on a firm theoretical basis, Ceyer says, by describing the interplay between kinetics and equilibrium.

He was also the first to recognize the complexity of the many species of adenine 5’-triphophate (ATP), she adds, and to develop a rigorous, but easily generalizable, thermodynamic treatment to relate them.

Alberty was widely regarded by MIT colleagues as an accomplished educator at both the undergraduate and graduate level. Many of his students and postdocs who went on to pursue outstanding research careers, he was particularly proud of those who became members of the National Academy of Sciences — a status he himself achieved in 1985.

Alberty was the author or co-author of physical chemistry textbooks that are widely used to this day. Physical Chemistry (Wiley), a textbook he co-authored with Farrington Daniels in 1955, was his most ex

thermodynamically extended Engineering

Council)

in 1891

T.I. Shin, ‘77 (current division head of the Intelligence, Surveillance, Reconnaissance (ISR) and Tactical Systems Division at MIT Lincoln Laboratory, will assume the role of Director of the MIT Lincoln Laboratory Beaver Works Center.

Shin will also be a member of the MIT School of Engineering Extended Engineering

NEWS BRIEFS

Dean of School of Architecture and Planning steps down

Yesterday, Adile Naudé Santos, dean of MIT’s School of Architecture and Planning (SA+P) announced her intention to step down and return to faculty, effective at the end of the Spring semester. Santos is a professor in both the Department of Architecture and the Department of Urban Studies and Planning (DUSP), as well as a practicing architect with her own architecture studio in San Francisco, Santos Prescott and Associates.

During her ten-year tenure as dean, Santos worked to consolidate the School of Architecture into two central locations, overseeing renovations in MIT’s Main group and a crucial fundraising campaign for the Media Lab. Santos also worked to increase the visibility of the School and made several high-profile hires for the department.

Suggestions for the next dean of SA+P can be sent by email to sap-search@mit.edu or by letter to Room 3.240.

New incoming director of Beaver Works

Effective February 1, Robert T.I. Shin, ’77 (current division head of the Intelligence, Surveillance, Reconnaissance (ISR) and Tactical Systems Division at MIT Lincoln Laboratory, will assume the role of Director of the MIT Lincoln Laboratory Beaver Works Center.

Shin will also be a member of the MIT School of Engineering Extended Engineering

РЕSIDENTS OF FIRST EAST KICK OFF THE BAD IDEAS BALL IN EAST CAMPUS ON SUNDAY, JAN. 26

There will be a memorial service for Charles Vest, former MIT president from 1990 to 2004, will be held on March 6 at 4:30 p.m. in Kresge. The National Academy of Sciences will also be holding their own memorial service for Vest on February 20 in Washington.

The Community Service Fair is Tuesday, Feb. 4 in Lobby 10, 12–3 p.m. Stop by and find a community service opportunity with the help of the PSC.

Regular meal plan service for the Spring semester resumes Saturday with brunch! Let there be food! Let there be brunch!

Send news information and tips to news@tech.mit.edu.
Rebels in Syria claim control of resources

BY BEN HUBBARD, CLIFFORD KRAUSS AND ERIC SCHMITT,
THE NEW YORK TIMES

Israel declined to respond to Abbas' comments, and Netanyahu has demanded that a third party to take Israel's place here, in his most specific recent public comments on the subject. “We are willing to allow a third party to take Israel's place in the U.S.-brokered peace talks between the Israelis and Palestinians,” he suggested NATO as “the suitable party.”

Palestinian leaders say they can accept Israeli military in West Bank for 3 years

TAL ALYL, ISRAEL — President Mahmoud Abbas of the Palestinian Authority is now saying that if talks might carry forward in the U.S.-brokered peace talks between the Israelis and Palestinians that he has been leading, he could accept an Israeli military presence in the West Bank for a three-year transition period as part of a peace deal. But Abbas said “whoever proposes 10 or 15 years for a transition” was not serious about an agreement.

The question of who should be responsible for security, particularly in the Jordan Valley, and how long, has been central in the U.S.-brokered peace talks between the Israelis and the Palestinians that started in September.

Israel has long insisted that it could depend only on its own soldiers, including its controversial border police, with some gesturing that they might stay for 40 years or more. Palestinian officials have said they could not tolerate even a single Israeli soldier on Palestinian territory, although they acknowledged that transition period would most likely be much shorter.

“We say that a transition period not exceed three years, during which Israel will withdraw gradually,” Abbas said in a interview that was taped and shown Tuesday in the House chamber. “But America does not want that — and neither will I. So wherever and whenever we can take steps without legislation to expand opportunity for those who are profiting from the revolution.”

Abu Nizar, an anti-government activist in Deir el-Zour. “Now they are being stolen by the opposition.”

The oil and gas fields are in serious decline, control of which has bolstered the fortunes of the Islamic State in Iraq and the Levant, or ISIL, and the Nusra Front, both of which are offshoots of al Qaeda. ISIL controlled the entire city of Mosul for a year before and after it was ravaged by a roadblock bomb in Afghanistan. As Sengar reported, blind in one eye and still learning how to walk, he started to make it in the first lady's box, lawmakers of both parties gave him an extended ovation.

In State of the Union, Obama vows solo action on economy

WASHINGTON — After five years of fractional political combat, Presi- dent Obama declared independence from Congress on Tuesday as he vowed to tackle economic disparity with a series of limited initiatives on jobs, wages and retirement that he will take without legislative approval.

Promising a “year of action” as he tries to reinvigorate a presidency mired in low approval ratings and stymied by partisan stalemates, Mr. Obama used his annual State of the Union address to chart a new path forward relying on his own executive authority. But the deficit “will not or can’t” approach was more assertive than any of the individual policies he advanced.

“I am eager to work with all of you,” a confident Mr. Obama told lawmakers of both parties in the 65-minute nationally televised speech in the House chamber. “But America cannot stand still — and neither will I. So wherever and whenever we can take steps without legislation to expand opportunity for those who are profiting from the revolution.”

Mr. Obama's message centered on the wide gap between the wealthiest and other Americans as he positioned himself as a champion of those left behind in the modern economy. “Those at the top have never done better,” he said. “But average wages have hardly budged. Inequality has deepened. Upward mobility has stalled.”

The cold, hard fact is that even in the midst of recovery, too many Americans are working more than ever just to get by, let alone to get ahead,” he added. “And too many still aren’t working at all. So our job is to reverse these trends.”

By Ben Paker

WASHINGTON — For more American families, that’s what I’m going to do.

The president’s appearance at the Capitol, with all the traditional pomp and anticipation punctuated by partisan standoffs, came at a critical juncture as Mr. Obama seeks to define his remaining time in office. He touched on foreign policy, asserting that “American diplomacy backed by the threat of force” had forced Syria to give up chemical weapons and that “American diplomacy backed by pressure” had forced Iran to the negotiating table.

And he repeated his plan to pull troops out of Afghanistan this year and threatened again to veto sanctions on Iran that disrupt his diplomatic efforts.

But Mr. Obama's message centered on the wide gap between the wealthiest and other Americans as he positioned himself as a champion of those left behind in the modern economy. “Those at the top have never done better,” he said. “But average wages have hardly budged. Inequality has deepened. Upward mobility has stalled.”

The cold, hard fact is that even

House votes for tighter restrictions on federal payments for abortions

WASHINGTON — The House of Representatives voted Tuesday to impose tighter restrictions on fed- eral payments for abortions, a measure that would forgo the woman’s right to terminate a pregnancy into the po- larizing politics of an election year.

The bill stands no chance of be- ing passed by the Democratic- controlled Senate. But that mattered little to leaders of both parties, who seemed to relish the chance to accuse their opponents of blatantly twisting the issue to their political advantage.

The House vote was 239-188, mainly along party lines. Six Demo- crats voted yes, one Republican vot- ed no and another voted present.

“Here we go again,” said Rep. Barbara Lee, D-Calif. “It’s another battle in the war on women.”

Republicans, blustering at accusa- tions that they are hostile to women’s rights, said Democrats were unfairly characterizing their mo- tives. “I will say it again,” said Rep. Virginia Foxx, R-N.C., irritation ap- parent in her voice, “we are not at- tacking women.”

Existing law like the Hyde Amendment, first enacted in 1977, already restricts federal financing for abortion services. But because the bill is not expected to be re- viewed every year, Republicans said their proposal would only codify what has been the law of the land.

Though the bill had solid sup- port from the House Republican leader, their unanimity during the vote Tuesday underscored tensions within the party.

Republicans have long sought to restrict abortion rights as a move to satisfy their conservative base, particularly during election years. Last just weeks, Rep. Eric Can- tor of Virginia, the House majority leader, spoke at the March for Life, an annual Washington protest by opponents of legalized abortion.

But the issue has become con- siderably more challenging for Republicans, both because of in- creasingly competitive contests where they can men, on and off the campaign trail, and an aggressive effort by Democrats to portray the party as anti-women.

The mood of the voting was tell- ing. Notably, the House leadership chose to bring the measure up on a day when all of Washington, and much of the news, was consumed with President Barack Obama’s State of the Union address. Repub- lican leaders also decided to make the bill one of their first orders of business this year, disposing of it early enough to free Elections Day. A senior aide to Republican leadership said it would probably be the only time an abortion-relat- ed bill would come up this year.

WEATHER

Chilly temperatures continue

By Casey Hilgenbrink

Although we experienced a brief respite from the cold out Monday, we will see afternoon temperatures reaching near the mid 40s, while that did not last long thanks to another Arctic cold front sweeping across our area Monday night. Behind the cold front, air temperatures in the trems combined with wind gusts of up to 28 mph led to bitter cold windchills below 0°F Tuesday morning.

Along the coast, Boston likely won’t see any relief from the cold until the weekend. Last night and this morn- ing, a low-pressure system tracked up the coast, and so there is a chance we may see some light snow this morning, as the storm moves across New England. Cloudier skies will clear by early afternoon and we should see a high temperature of around 25°F (4°C) on the North Shore and 20°F (-7°C) on the Merrimack Valley.

TODAY: Mostly cloudy, with a high in the upper 30s°F (3 to 4°C). Chance of rain.

Extended Forecast

TODAY: Highs in the mid 30s°F (1 to 2°C). Slight chance of rain.

TODAY: Mostly cloudy, with a high in the upper 30s°F (3 to 4°C).

CHANCE OF SNOW.
Putin is given cool reception at Thai aristocratic sides with the poor

By Andrew Higgins

BRUSSELS — It’s only pushed to ban visas across a vast expanse of territory covering more than a third of the European Union. It also brought about the creation of what he calls a “constructive and positive community stretching from Lisbon to Vladivostok.”

On Thursday, Putin arrived at the Brussels headquarters of the EU, but he will not even get dinner. That customary courtesy got yanked from the program — a small sign of how escalating ten- sions over Ukraine have soured even the basic routines of diplo- macy and chatty relations between Moscow and Brussels.

Beyond the protocol slights, there are stark limits to how far Europe is willing or able to go in imposing economic sanctions on Russia over its annexation of the Crimea. Those include a ban on loans to the Russian state, and a boycott of its oil and gas exports. But they also raise the unsolved prospect of how far the bloc will stick to the line it set against the eastern border.

Russia and Europe have for weeks been trading accusations over Ukraine, with each accusing the other of breaching a cease-fire agreement. Russia last week added to the tit-for-tat re- strictions by pulling out of a treaty on disputes over sovereignty. They last week added to the tit-for-tat re- strictions by pulling out of a treaty on disputes over sovereignty.

And instead of the ceremonies and wide-ranging meetings, which are usual at the twice-yearly sum- mit meetings between the EU and Russia, Putin faces a truncated session lasting just a day, instead of the normal two.

Tuesday for a brisk photo call and then talks with Herman Van Rom- puy, the president of the European Council, the body represents senior member states, and José Manuel Barroso, the president of the bloc’s executive Commission.

But even before the document is unveiled, some of the party’s leading strategists and conservative voices are urging that the immi- gration push be abandoned, or delayed until next year, to avoid an aging sign of it, she has blocked her four sisters on social media — and have left her estranged from opponents of the government.

When an article about Maline was appeared last week in a publication that supports the protesters, readers found that it was mostly full of injurious and defamatory coun- terattacks. In a country renowned for its etiquette and politeness, such invective toward a member of the extended royal family was once considered a sign of disrespect. Maline has illustrated how far the civility of public discourse has fallen.

Protesters at all stripes in recent years have freely employed coarse epithets, often to draw attention to the fact that Maline, a direct descendant of Rama IV, a 19th-century king, says the protesters drove her to become more public about her views.

The resentments that the protesters have shut down some parts of the city — “we also own the streets” — is an angry and is the least- known secret-service officers described as “the worst situation I’ve seen in my life.”

Political passions have caused a “war of independence” — in one artic- le about the signing-off, she has blocked her four sisters on social media — and have left her estranged from opponents of the government.

When an article about Maline was appeared last week in a publication that supports the protesters, readers found that it was mostly full of injurious and defamatory coun- terattacks. In a country renowned for its etiquette and politeness, such invective toward a member of the extended royal family was once considered a sign of disrespect. Maline has illustrated how far the civility of public discourse has fallen.

Protesters at all stripes in recent years have freely employed coarse epithets, often to draw attention to the fact that Maline, a direct descendant of Rama IV, a 19th-century king, says the protesters drove her to become more public about her views.

The resentments that the protesters have shut down some parts of the city — “we also own the streets” — is an angry and is the least- known secret-service officers described as “the worst situation I’ve seen in my life.”

Political passions have caused a “war of independence” — in one artic- le about the signing-off, she has blocked her four sisters on social media — and have left her estranged from opponents of the government.

When an article about Maline was appeared last week in a publication that supports the protesters, readers found that it was mostly full of injurious and defamatory coun- terattacks. In a country renowned for its etiquette and politeness, such invective toward a member of the extended royal family was once considered a sign of disrespect. Maline has illustrated how far the civility of public discourse has fallen.

Protesters at all stripes in recent years have freely employed coarse epithets, often to draw attention to the fact that Maline, a direct descendant of Rama IV, a 19th-century king, says the protesters drove her to become more public about her views.

The resentments that the protesters have shut down some parts of the city — “we also own the streets” — is an angry and is the least- known secret-service officers described as “the worst situation I’ve seen in my life.”

Political passions have caused a “war of independence” — in one artic- le about the signing-off, she has blocked her four sisters on social media — and have left her estranged from opponents of the government.
Charm School—headed in the wrong direction?

Place more emphasis on social skills, less on job seeking

By Eve Sullivan

People at MIT, like people anywhere, get together for a variety of reasons to meet, to enjoy each other’s company, to work, to play, to serve the community. The concern that prompts me writing this is that Charm School, first organized more than 20 years ago as an enjoyable, service-oriented UAP activity, has, to its detriment, been transformed into an event focusing more on what it needs to be: job-seeking skills and other manners in the professional world. These include business etiquette and table conversation during business dinners and effective email in the business world.

Work is only one part of our lives where table manners and email messages are important.

According to the Student Activities Office, organizers have seen fit to transform this slightly “hazardous” of events (thankfully still) includes sessions on flirting, telling jokes, small talk, and making introductions into one with a primary emphasis on professional development.

While personal charm has a role to play in academic and business success, its utility should not be the reason to develop it. How to handle things (the right fork or glass at table) and to choose one’s attire (dressing for success) are certainly important, but I believe it is a more important, in developing charm, to honor and enhance personal interactions. Of course it is useful to know basic social skills, but I hope that we learn and practice them because we care about each other, not because we are paid, or expect to be paid.

Business leaders are taught that you cannot manage what you cannot measure, but we must try to manage and measure everything. “Every thing that counts can be counted, and charm certainly must. We can all, I hope, recall times when someone’s gracious and kind presence made an unimpressive moment bearable. Likewise, we remember happy times made possible because of the kindness of constantine Psimopoulos, whom we have less formal interactions or whom we have less frequent interactions or whom we have less frequent interactions.

Business leaders are taught that you cannot manage what you cannot measure, but we must try to manage and measure everything. “Every thing that counts can be counted, and charm certainly must. We can all, I hope, recall times when someone’s gracious and kind presence made an unimpressive moment bearable. Likewise, we remember happy times made possible because of the kindness of constantine Psimopoulos, whom we have less formal interactions or whom we have less frequent interactions.

Business leaders are taught that you cannot manage what you cannot measure, but we must try to manage and measure everything. “Every thing that counts can be counted, and charm certainly must. We can all, I hope, recall times when someone’s gracious and kind presence made an unimpressive moment bearable. Likewise, we remember happy times made possible because of the kindness of constantine Psimopoulos, whom we have less formal interactions or whom we have less frequent interactions.

Business leaders are taught that you cannot manage what you cannot measure, but we must try to manage and measure everything. “Every thing that counts can be counted, and charm certainly must. We can all, I hope, recall times when someone’s gracious and kind presence made an unimpressive moment bearable. Likewise, we remember happy times made possible because of the kindness of constantine Psimopoulos, whom we have less formal interactions or whom we have less frequent interactions.
Strangers to Fiction by Deena Wang

What you say: Wow, we have so much in common!

Translates to: Wow, we watch the same media!

You Breathe air, I breathe air, You can read, I can read."

ACROSS
1 Outdoor parking areas
5 Honolulu’s island
9 Cab-fare calculator
14 Money in Italy
15 Low poker pair
16 Full of energy
17 Eye-color area
18 Soda-can openers
19 Was concerned
20 Eventually
22 Tenant’s contract
24 Lamb’s mom
25 Defeated ones
29 “__ the night before . . .”
31 Tummy muscles, for short
34 Continuously bother
35 Wines and dines
36 Busy as
37 Yard-sale possibilities
40 Mannerly man
41 Calendar row

DOWN
1 Hawaiian necklace
2 Yours and mine
3 Threesome
4 Just average
5 Playful aquatic mammals
6 Mindful (of)
7 Vagabond
8 Cold War adversary: Abbr.
9 Colorful parrots
10 Make happy
11 Bicycle wheel
12 Hardly ___ (rarely)
13 Stop-sign color
21 Toward the Arctic
22 Tenant’s contract
25 Turn loose
26 Rowed a boat
27 Get to one’s feet
28 Dawn direction
29 Carryall bags
30 Earn a living
31 Shares a border with
32 Artist’s cap
33 Fortune tellers
35 Small songbird
36 China’s continent
38 Have a loan from
39 Dole out
40 Any monogram initial
41 Calendar row

42 Soda bottle size
43 Weird
44 Glass in eyeglasses
45 Explosions
46 Full collection
47 Life story, for short
48 Question about an urban legend
55 Cockpit boss
56 Assistant
57 Oil cartel
58 In unison
60 Raindrop sound
61 Unwanted garden plant
62 Do the driving
63 Change for a $20 bill
64 “No ifs, ___ or buts!”
65 Upper-arm muscles
66 Teacake
67 Try to win, at an auction
68 Clenched hand
69 Hand-gel additive
70 Extremely attentive
71 Manicurist’s tool
72 Where Des Moines is
73 Unlock
74 Must have
75 Mas’ mates
76 S&L investments

Solution, page 13
Somewhere on the Search for Meaning... by Letitia Li

You haven’t been at MIT long enough to forget basic math...

If hamsters reproduce at a rate of 4 per pair every 5 weeks, and my python eats 1 every 2 days...

...how many hamsters should I buy so that colony size will eventually reach equilibrium?

How rude! His Yelp page will certainly be hearing from me!

---

GRADE INFLATION

AVERAGE

BELLOW AVERAGE

COMPLAIN UNTIL YOU GET A BETTER GRADE

THE DEAN GETS INVOLVED

FILE LAWSUIT

INCOMPLETE DENIAL

---

Techdoku I

Solution, page 14

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.

---

Sudoku I

Solution, page 14

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

---

[1316] Inexplicable

ARGH! WHAT?

WHY DO I ALWAYS HAVE THESE INEXPlicable, IMPOSSIBLE-TO-DIAGNOSE COMPUTER PROBLEMS?

AFTER SIX HOURS OF THIS, I'VE CONCLUDED NOTHING WORKS OR MAKES SENSE. I GIVE UP ON LOGIC, + SIGN GIMME I'LL FIGURE IT OUT YOURSELF.

---

A WEBcomic of romance, sarcasm, math, and language

by Randall Munroe
**Techdoku II**
Solution, page 13

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–8. Follow the mathematical operations for each box.

**Sudoku II**
Solution, page 13

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 III**
Solution, page 13

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.
It’s rehearsed for The Forest of Eoren, a new operetta that the MIT Gilbert & Sullivan Players (MITG&S) are premiering this weekend. The show was written and composed by Matthew Pinson, former president of the Players. Bright with invention, yet clearly inspired by the original Gilbert & Sullivan comic operas, Eoren will charm devotees of the British duo, as well as those who simply want beautiful music and a good laugh.

Pinson, who hails from Australia, was born into a family of G&S fans, but had never performed in a show until he arrived at MIT nearly five years ago to start a PhD in physics. He auditioned for The Mikado and was instantly hooked. “I had so much fun that when it was over, I needed to keep opera in my life, and auditions for The Gondoliers were over a month away,” he said, “I decided to write my own creation.”

Pinson’s first operetta, The Marriage of the Minor Maidens, was sung through by MITG&S and delighted the cast so much that he felt encouraged to begin composing another at once. “I wanted something ridiculous, so you don’t have to take it too seriously,” said Pinson. “Magical creatures are a good way to go.” And thus was born The Forest of Eoren, a home to band of dryads who have accidentally fallen in love with lumberjacks. Confusion and hilarity ensue, identities are mistaken, and deception reigned until all loose ends and couples are joined in a perfect happy ending.

A dedicated cast of students and visiting musicians has worked through IAP to bring the show from score to stage in under a month. “With a new show, you automatically have more creativity involved,” said music director Sarah Hager, who worked as a choral conductor in Lexington. “There are no recordings that you can listen to.”

The biggest shock, coming out of Eoren, is that it really isn’t a shock at all. The language and music are patently Gilbert & Sullivan, if on a slightly smaller scale. The libretto subverts in witty banter and acerbic put-downs. Pinson takes full advantage of his arboreal subject matter in such delightful musical numbers as “No more let your chokers orarrowful / Of great joy we will find tomorrow,” and “Trees will shine out resplendent with chlorophyll.” As with the best of Sullivan, even the sorrowful tunes are lovely, and destined to stick in your head with the persistence of The Pirates of Penzance.

Kelsey Peterson (women’s chorus) has sung with the group for 14 shows, besides appearances as producer and costume director. “It feels like it’s this G&S show that I happened to never see before,” she said. G&S aficionados will recognize roots to many of the original operettas, including a “weeping maidens” chorus reminiscent of Patience and an a cappella quartet, complete with “La-la-la’s,” that recalls the madrigal from The Mikado. Despite this stock material, however, Eoren comes across as fresh and new, with an innocence that is hard to come by in any theatrical production. “The show is just entirely adorable — it’s distilled joy,” said Kathryn Noonan (Queen of the Dryads), “I would definitely put it up there as better than some G&S shows.”

Eoren lasts a single act — about an hour, with no intermission. Pinson has effectively miniaturized the common two-act structure by writing what sounds like an Act 1 Finale to chop the action neatly into two halves. The score includes parts for seven soloists, men’s and women’s choruses, and accompanied by piano and clarinet. Refreshingly, the cast is gender-balanced, a contrast from the normal G&S canon, where female characters can be harder to find.

Pinson says that he doesn’t want “people to think that there’s anything too deep” in Eoren. “You could say there’s an environmental message here — don’t cut down trees — but that’s not really it.” As with traditional Gilbert & Sullivan, the goal is to be light, charming, and hilarious, and Eoren succeeds completely.

The Forest of Eoren
MIT Gilbert & Sullivan Players
8:30 p.m. Jan. 31, 8 p.m. Feb. 1, 2 p.m. Feb. 2
Twenty Chimneys (2nd Floor of Student Center)

By Tara Lee
Staff Writer

I am not a vegetarian by any means. I always go for a beef patty over a veggie patty, or a chicken Caesar salad over a regular Caesar salad. Back at home, I honestly don’t think I’ve ever stepped foot into a vegetarian restaurant. Started to venture into the world of meatless foods a few years ago, and it’s “the time to try new things,” and so I’ve done just that. As for meatless foods, Root is delightful even for non-vegetarians.

I was blown away by the creative combinations of flavors. Any restaurant can throw together meat, lettuce, tomatoes, onions, and a bun, and give its customers a decent burger. A high school cafeteria could sprinkle cheese and chunks of chicken on a toasted tortilla and make a tasty quesadilla. It takes a special mind, however, to combine unexpected flavors into a dish, and make it taste even better than its “normal” counterpart. My advice? Save the $10 you’ll spend on a restaurant burger that you could make from a recipe on the Internet. Go to Root and spend that money on the creativity that this restaurant has to offer.

Creative, delicious, and meatless Root is delightful even for non-vegetarians.

By Dave Rolnick
Staff Writer

It’s like a Charlie’s Angels pose with stuffed animals,” says the director. “Remember, you’re the spokesdryad.”

It’s rehearsed for The Forest of Eoren, a new operetta that the MIT Gilbert & Sullivan Players (MITG&S) are premiering this weekend. The show was written and composed by Matthew Pinson, former president of the Players. Bright with invention, yet clearly inspired by the original Gilbert & Sullivan comic operas, Eoren will charm devotees of the British duo, as well as those who simply want beautiful music and a good laugh.

Pinson, who hails from Australia, was born into a family of G&S fans, but had never performed in a show until he arrived at MIT nearly five years ago to start a PhD in physics. He auditioned for The Mikado and was instantly hooked. “I had so much fun that when it was over, I needed to keep opera in my life, and auditions for The Gondoliers were over a month away,” he said, “I decided to write my own creation.”

Pinson’s first operetta, The Marriage of the Minor Maidens, was sung through by MITG&S and delighted the cast so much that he felt encouraged to begin composing another at once. “I wanted something ridiculous, so you don’t have to take it too seriously,” said Pinson. “Magical creatures are a good way to go.” And thus was born The Forest of Eoren, a home to band of dryads who have accidentally fallen in love with lumberjacks. Confusion and hilarity ensue, identities are mistaken, and deception reigned until all loose ends and couples are joined in a perfect happy ending.

A dedicated cast of students and visiting musicians has worked through IAP to bring the show from score to stage in under a month. “With a new show, you automatically have more creativity involved,” said music director Sarah Hager, who worked as a choral conductor in Lexington. “There are no recordings that you can listen to.”

The biggest shock, coming out of Eoren, is that it really isn’t a shock at all. The language and music are patently Gilbert & Sullivan, if on a slightly smaller scale. The libretto subverts in witty banter and acerbic put-downs. Pinson takes full advantage of his arboreal subject matter in such delightful musical numbers as “No more let your chokers orarrowful / Of great joy we will find tomorrow hall! / Trees will shine out resplendent with chlorophyll.” As with the best of Sullivan, even the sorrowful tunes are lovely, and destined to stick in your head with the persistence of The Pirates of Penzance.

Kelsey Peterson (women’s chorus) has sung with the group for 14 shows, besides appearances as producer and costume director. “It feels like it’s this G&S show that I happened to never see before,” she said. G&S aficionados will recognize roots to many of the original operettas, including a “weeping maidens” chorus reminiscent of Patience and an a cappella quartet, complete with “La-la-la’s,” that recalls the madrigal from The Mikado. Despite this stock material, however, Eoren comes across as fresh and new, with an innocence that is hard to come by in any theatrical production. “The show is just entirely adorable — it’s distilled joy,” said Kathryn Noonan (Queen of the Dryads), “I would definitely put it up there as better than some G&S shows.”

Eoren lasts a single act — about an hour, with no intermission. Pinson has effectively miniaturized the common two-act structure by writing what sounds like an Act 1 Finale to chop the action neatly into two halves. The score includes parts for seven soloists, men’s and women’s choruses, and accompanied by piano and clarinet. Refreshingly, the cast is gender-balanced, a contrast from the normal G&S canon, where female characters can be harder to find.

Pinson says that he doesn’t want “people to think that there’s anything too deep” in Eoren. “You could say there’s an environmental message here — don’t cut down trees — but that’s not really it.” As with traditional Gilbert & Sullivan, the goal is to be light, charming, and hilarious, and Eoren succeeds completely.
TAU BETA PI
2014 Career Fair
Rockwell Cage | February 3, 2014 10 AM - 4 PM

stand out from the rest

tbpfair.mit.edu
From warheads to cheap energy
The father of the US-Soviet atomic recycling program

By William J. Broad

As the Cold War ended in the late 1980s and early ’90s, a new fear arose amid the rejoice and relief: that atomic security might fail in the disintegrating Soviet Union, allowing its huge stockpile of nuclear warheads to fall into unfriendly hands.

The jitter intensified in late 1991 as Moscow announced plans to store thousands of weapons from missiles and bombers in what experts viewed as decrepit bunkers, police by impoverished guards of dubious reliability.

Many officials and scientists worried. Few knew what to do.

That is when Thomas L. Neff, a physicist at the Massachusetts Institute of Technology, hit on his improbable idea: Why not let Moscow sell the uranium from its retired weapons and dilute it into fuel for electric utilities in the United States, giving Russians desperately needed cash and Americans a cheap source of power?

Last month, Neff’s idea came to a happy conclusion as the last shipment of uranium from Russia arrived in the United States. In all, during two decades, the program known as Megatons to Megawatts turned 20,000 Russian warheads into electricity that has illuminated in 1 in 10 U.S. light bulbs.

Neff fathered the atomic recycling program in spite (or perhaps because) of his lack of name recognition, his inexperience on the world stage and his modest credentials. Moreover, few people knew what to do.

“I was naïve,” Neff, 70, recalled in a recent interview. “I thought the idea would take care of itself.”

In fact, it required sheer doggedness and considerable skill in applying nuclear science to a global deal freighted with technical complexities and political uncertainties.

Yet in the end, Neff noted, the mission was accomplished. Uranium once meant to obliterate American cities ended up endorsing them with energy.

Nuclear experts hail it as a remarkable if poorly known chapter of atomic history. The two decades of bomb recycling, they say, not only reduced the threat of atomic terrorism and helped stabilize the former Soviet Union but achieved a major feat of nuclear disarmament — a popular goal that is seldom achieved.

In the nuclear age, the rare isotope uranium 235 has played starring roles in war and peace. When highly purified, to a level of 90 percent, it fuels atom bombs; at 5 percent, it powers nuclear reactors for electric utilities.

As the Cold War ended, Neff wondered whether these disparate worlds might be able to do business together. When Washington and Moscow announced major unilateral arms reductions in late 1991, he recalled, “I said: ‘Wow. What’s going to happen to all these weapons?’”

The beleaguered communist state, he feared, was already cutting back on nuclear upkeep, workers’ pay and dozens of measures meant to keep weapons safe. He also suspected that newly impoverished Russian nuclear scientists, once pampered elite, might seek work elsewhere.

“It all sounded dangerous,” he said.

Neff’s solution was atomic recycling. The question was how to float the idea.

On Oct. 19, 1994, nuclear experts filled into the Diplomat Room of the State Plaza Hotel in Washington. The agenda of the nongovernmental meeting was demilitarization. A Soviet delegation attended, as did Neff.

Five days later, Neff made his idea public in an Op-Ed article in The New York Times, “A Grand Uranium Bargain.” The illustration showed a kitchen pot and spoon floating eerily above a countertop and — just behind — an open win- dow. Outside was a bomber.

“If we do not obtain the material,” he warned, shadowy agents in the former Soviet Union, perhaps uncontrolled by central authority, might seek to “sell weapons-grade materials to the highest bidder.”

The idea gained support in both Washington and Moscow. Carrying it out, through a tangle of conflicting state and commercial interests, was another matter. Neff was there to prod it along at almost every turn. In late December 1991, he was among the last Westerners to see the Soviet hammer and sickle flying over the Kremlin.

Five days later, Neff made his idea public in an Op-Ed article in The New York Times, “A Grand Uranium Bargain.” The illustration showed a kitchen pot and spoon floating eerily above a countertop and — just behind — an open window. Outside was a bomber.

“If we do not obtain the material,” he warned, shadowy agents in the former Soviet Union, perhaps uncontrolled by central authority, might seek to “sell weapons-grade materials to the highest bidder.”

The idea gained support in both Washington and Moscow. Carrying it out, through a tangle of conflicting state and commercial interests, was another matter. Neff was there to prod it along at almost every turn. In late December 1991, he was among the last Westerners to see the Soviet hammer and sickle flying over the Kremlin.

The first shipment of uranium arrived in 1995; 250 more followed over the next 18 years. Last month, a freighter sailing from St. Petersburg to Baltimore delivered the last shipment. Strapped into transport pallets were giant steel drums, each containing about two bombs’ worth of diluted uranium.

Colorful signs on the drums showed fluttering Russian and United States flags, with a message elsewhere.

“Selling Warheads,” the illustration said.

Neff fathered the atomic recycling program in spite (or perhaps because) of his lack of name recognition, his inexperience on the world stage and his modest credentials. Moreover, few knew what to do.

“I was naïve,” Neff, 70, recalled in a recent interview. “I thought the idea would take care of itself.”

In fact, it required sheer doggedness and considerable skill in applying nuclear science to a global deal freighted with technical complexities and political uncertainties.

Yet in the end, Neff noted, the mission was accomplished. Uranium once meant to obliterate American cities ended up endorsing them with energy.

Nuclear experts hail it as a remarkable if poorly known chapter of atomic history. The two decades of bomb recycling, they say, not only reduced the threat of atomic terrorism and helped stabilize the former Soviet Union but achieved a major feat of nuclear disarmament — a popular goal that is seldom achieved.

In the nuclear age, the rare isotope uranium 235 has played starring roles in war and peace. When highly purified, to a level of 90 percent, it fuels atom bombs; at 5 percent, it powers nuclear reactors for electric utilities.

As the Cold War ended, Neff wondered whether these disparate worlds might be able to do business together. When Washington and Moscow announced major unilateral arms reductions in late 1991, he recalled, “I said: ‘Wow. What’s going to happen to all these weapons?’”

The beleaguered communist state, he feared, was already cutting back on nuclear upkeep, workers’ pay and dozens of measures meant to keep weapons safe. He also suspected that newly impoverished Russian nuclear scientists, once pampered elite, might seek work elsewhere.

“It all sounded dangerous,” he said.

Neff’s solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.

His solution was atomic recycling. The question was how to float the idea.
Techfair: Feb 3rd, 10AM-4PM
Rockwell Cage

not just a career fair

— Monday, Feb. 3rd —

10AM - 4PM
Techfair
Rockwell Cage

70+ companies and 20+ student projects. Startups, multinationals, all with cool tech to demo.

6PM - 8PM
Banquet
Mariott, Kendall

Dine and network with representatives from our Platinum, Gold, and Silver sponsors. By invitation only.

— Tuesday, Feb. 4th —

5PM - 7PM
Student Project Talks
Room 4-149

Learn from the students who demoed awesome projects at Techfair.

techfair.mit.edu
Experimental 3.091 to revert for Spring
Students express mixed feelings

After she passed an assessment, she wouldn’t worry about the material anymore.

Due to concerns that some students were going to try to pass the class by only taking the assessments, Cima implemented mandatory attendance — students had to attend at least 80 percent of lecture, and 80 percent of recitations. Students that did not attend 80 percent of lectures and recitations were at risk of failure. Cima told The Tech in September that the policy was put in place in order to preserve the integrity of the experiment as well as to avoid breaking rules which bar integrity of the experiment as well as attendance does correlate with outcomes, Cima said.

Student Reactions
Student evaluations did not differ considerably from previous years, with the overall rating of subject going from a 4.6 for Fall 2012 to a 4.2 for Fall 2013. Some students appreciated the what the experiment did for the class. For Helen L. Zhou ‘17, the new format made for a lower stress environment. “Multiple attempts at each assessment allowed students to be more relaxed while taking these assessments,” Zhou said.

Stephen Guo ’17 also appreciated the lessened stress. As he points out, the assessment format meant that there were fewer points of concentrated stress, but “it was challenging because people essentially had to pass on a week by week basis,” he said.

Motivated students did not seem to have as much of a chance to shine in this new format.

Others, such as Anna Jhungbluth ’17, don’t regret taking class, but she said the new format is not something that she would recommend. Compared to her other classes, she felt as if she didn’t learn much. For her, midterms were the times in which she sat down and fully learned the material, and “the time when I understand the connections between several topics.”

The assessments meant that she never really went back over the material, and after she passed an assessment, she wouldn’t worry about the material anymore, Jhungbluth mentioned.

Jonathan T. Morrell ’17 found that the online learning sequences gave him a lot more flexibility in learning, but he thought that the assessments should’ve been better at evaluating student understanding. “Currently they assess the answer you get from doing a problem, however the answer is obviously secondary to the process you take to get there. If there was a way to better assess that, the class would be much improved,” Morrell said.

Nevertheless, according to TA, Zhaozhong Han, the new format changed students’ approach to learning; instead of coming in right before exams, they would “pay more attention to the content in recitation now and ask more questions every time.”

TA William F. Dickson ’14 felt that students “understood connections between stuff earlier in the semester, much better than students in the past” as a result of the assessment based format.

He acknowledges “the only problem might be that there is no cumulative exam.” However, he feels that if given the final exam, the majority of students would not have had to cram.

The course ran into some bugs early in the semester, which were fixed as the semester progressed. One issue that many students ran into, according to Dickson, was that students would have conflicts with the original assessment times. However, the staff resolved the issue by allowing extensions in case of conflicts. Moreover, some students ran into problems with the assessment software itself, but the staff fixed this as the semester progressed.
Apply online today at: HTTP://OME.MIT.EDU

Need Extra Cash?  Aced Your Classes?  Like Helping People?

Provide Tutoring through Tutorial Services (TSR)  Serve as a Facilitator for Seminar XL

Salary
Undergraduates $16/hour
Graduate Students $18/hour
Research Scientists/Post Docs Negotiable

Are you addicted to Facebook or Twitter?

@The Tech is looking for social media expert to help develop our online presence.

Email join@tech.mit.edu or mention @thetech
Aberty remembered fondly for contributions to science

Aberty shaped field of theoretical thermodynamics

Aberty, from Page 1

My book to the last detail, [and] rewrite or edit large parts of it, with a clear sense of what he thought should be reorganized to make the text up-to-date. It was an amazing learning experience and a humbling one to watch the two Bob’s — Bob Alberty and Bob Silbey — rewrite the text, especially with Bob Alberty well into his eighties at the time.

When I was hired at MIT in 1998, it was in anticipation of Bob’s retirement,” Banwendi added. “But it never felt that Bob ever actually retired, as he was still heavily involved for so many years writing theoretical works, textbooks, and active in chemical physics, chemistry and scientific organizations. I was lucky to have had the chance to work with Bob.”

Alberty’s work on Physical Chemistry led to invitations to participate in and chair national research committees concerned with laboratory safety standards and chemical disposal. A report he authored for the National Research Council in 1981, “Prudent Practices in the Laboratory,” sold more copies than any of that organization’s previous publications. Alberty also chaired the committee that wrote a second report, in 1983, “Prudent Practices for the Disposal of Chemicals in the Laboratory.”

“Bob was no stranger to senior administrative roles at universities. In 1967, while dean of the Graduate School at the University of Wisconsin at Madison, he was invited to become dean of the School of Science at MIT, as well as a faculty member in the Department of Chemistry. His notable achievements as MIT’s dean included the development of a joint MIT-Harvard University MD-PhD program and the establishment of the Cancer Research Center, now the Koch Institute for Integrative Cancer Research. He was also the first co-chairman of MIT’s exchange program with Wellesley College and chaired the Institute Committee on Environmental Health and Safety.

As dean of science, Alberty “was always available to his colleagues, and always optimistic about finding funding for many endeavors to benefit chemistry and the Institute as a whole,” says Bob Field, the Robert T. Haslam and Bradley Dewey Professor of Chemistry. “He liked nothing better than to dig into a problem, no matter what the topic or how new the area was.”

“I overlapped with the late stage of Bob Alberty’s career, after he returned to being ‘just’ professor following a stint as dean of science,” says Keith Nelson, a professor of chemistry. “Long past official retirement and into emeritus status, Bob had fewer official responsibilities but just as much scientific curiosity, energy, and enthusiasm as ever. So he took advantage of the opportunity to work with few distractions to consolidate much of the last phase of his theoretical research and to write a unique textbook, Thermodynamics of Biochemical Reactions, published in 2007.”

This topic is not covered in standard courses, Nelson added, “largely because the theoretical framework and its applications were developed much more recently than the rest of thermodynamics, and significantly by Bob Alberty. The very next year, Bob published a supplementary text on applications of Mathematica software to problems in biochemical thermodynamics. … [He] was not content to inscribe his scientific achieve- ments in textbook form, but also succeeded in bringing his discipline to life for a new generation of students and scientists.”

Alberty spent 30 years as an advisor to the Camille and Henry Dreyfus Foundation and was instrumen- tal in developing many of its programs — including the Henry Dreyfus Teacher-Scholar Awards Program, which supports young professors who have demonstrated interest and ability in being inspiring teachers as they are considered for tenures.

Alberty’s notable achievements as MIT’s dean of science included the development of a joint MIT-Harvard MD-PhD program and the establishment of the Cancer Research Center.

Born in Winfield, Kan., Alberty carried out his undergraduate studies at the University of Nebraska, receiving his BS in 1943, followed by an MS from the same university. In 1947, he received his PhD in chemistry from Wisconsin and immediately became an instructor at that institution. He moved up the ranks at Wisconsin, becoming a full professor in 1956. In 1962, he was appointed associate dean of letters and science before being appointed as the dean of the Graduate School in 1963.

Alberty received professional awards and acco-

CRISIS in JAPAN...

TROUBLE in the MIDDLE EAST...

What do YOU think?

The Tech is looking for Opinion columnists to write on global issues.

Just e-mail join@tech.mit.edu and say you’re interested in Opinion!

Epsilon Theta Spring 2014 Rush Schedule

Meet us at the chapel turnaround (across from the library at the listed time. Look for the yellow sign!)

Send your campus events to events@tech.mit.edu.

EVENTS

WEDNESDAY

(12:00 p.m. - 1:00 p.m.) How do the Libraries select books for the shelves and your computer access? — 14N-132

(6:00 p.m. - 8:00 p.m.) Institute Diversity Summit presents Brother Outsider: The Story of Bayard Rustin — 32-123

THURSDAY

(5:00 p.m. - 6:00 p.m.) History of Heavy Metal: Part III — 14N-217

(11:00 a.m. - 12:00 p.m.) How to Speak lecture by Professor Patrick Henry Winston — 10-250

(2:00 p.m. - 4:00 p.m.) MIT Can Talk Speaking Competition — 32-141

SATURDAY

(5:00 p.m. - 8:00 p.m.) Harry Potter Trivia Challenge — 1-246

(8:00 p.m. - 9:30 p.m.) A Concert of Music by Elena Rueh — 14W-117

MONDAY

(7:00 p.m. - 8:30 p.m.) Women and Gender Studies presents How to Lose Your Virginity — 6-120

TROUBLE in the MIDDLE EAST...

CRISIS in JAPAN...

What do YOU think?

The Tech is looking for Opinion columnists to write on global issues.

Just e-mail join@tech.mit.edu and say you’re interested in Opinion!
The Tech 15

Wednesday, January 29, 2014

By Anonymous

**Author's foreword**

I choose to be anonymous because I know exac-

tly what words are the most right to say, but

because I know it is important: I know it is im-

portant to talk about the pain that I carry alone.

I graduated from MIT nearly two years ago,

with a relatively normal, MIT life. I lived in a
dorm, double majored, was involved in various
student groups, and spent my time doing research. In the

spring of my senior year, I was offered a job as a research

colleague within my research group, losing my

virginity.

I viewed the man as a mentor and close

director, and I felt a great deal of respect and

trust for him, as a mentor. A dinner that I

thought was going to be about discussing science turned into

something extremely wrong.

Only in the weeks leading to my gradu-

ation, I reported the case, formally, to the

police, with the support of MIT's extremely

supportive Violence Prevention and Re-

sponse Office and the campus resource

reporting, for not being believed, for making

the man who had done it to me angry, for

potentially ruining a former friend's life (when all I

wanted to do was protect other students, and even for the ungrounded

fear of losing all respect from my research

advisor).

After three months of repeatedly

explaining my story first to the supportive

advisor, then to the police, and finally to the local

police, and finally to an unresponsive

Assistant District Attorney (ADA) who

told me that I had merely had "trau-

matic stress", I was told by the ADA that I had

merely had "traumatic stress", I was

ranked position at my

senior and in a higher-

he was ten years my

yme was a virgin. Yet, when he was

word was taunting and hurtful, his

words were taunting and hurtful, his

words being "Your body wants me so bad."

He suggested I should get to know my

system–in all of my shock and numb-

of control—but as he pointed out, I was now

that his words, and my inability to process

this, " and "I'm sorry I never told you how

was unbalanced, broken, alone

myself, he said, if I wanted to enjoy it.

what it means, you call me, " she said. I re-

proved that night was firmly planted in me

in the system–in all of my shock and numb-

isms. By my "I was hide it well

no one would need to see its red

of "stop" was immediately

and completely foreign advances were too

much already. My "stop" was immediately

shame produced that night was firmly planted in me —

I was hide it well enough, no one would need to see its

He told me "stop" and I truthfully told

He told me "stop" and I truthfully told

by not moving out of my

room on time, and I missed my first flight

home. Most everyone I knew had already

ing period, and I barely finished my other

when one cannot distinguish a deeply dis-

of "stop" was immediately

who was unbalanced, broken, alone

word was taunting and hurtful, his

words were taunting and hurtful, his

thoughts was going to be about discussing

science turned into something extremely

wrong.

I told him "stop" and I truthfully told him

that I was a virgin. Yet, when he was

finished, hours later, he pushed me aside

saying, "You were never a virgin anyway"

what he even mean? I still do not

This was not fair he never explicitly stated or

I never understood it.

The first person I described my experi-

ences to (the day I had told him about my

doing this) was another student, who

I viewed a more experienced friend whose

words were taunting and hurtful, his

words being "Your body wants me so bad."

He suggested I should get to know my

system–in all of my shock and numb-

for me was a mentor and close

director, and I felt a great deal of respect and

trust for him, as a mentor. A dinner that I

thought was going to be about discussing science turned into

something extremely wrong.

Only in the weeks leading to my gradu-

ation, I reported the case, formally, to the

police, with the support of MIT's extremely

supportive Violence Prevention and Re-

sponse Office and the campus resource

reporting, for not being believed, for making

the man who had done it to me angry, for

potentially ruining a former friend's life (when all I

wanted to do was protect other students, and even for the ungrounded

fear of losing all respect from my research

advisor).

After three months of repeatedly

explaining my story first to the supportive

advisor, then to the police, and finally to the local

police, and finally to an unresponsive

Assistant District Attorney (ADA) who

told me that I had merely had "trau-

matic stress", I was told by the ADA that I had

merely had "traumatic stress", I was

By anonymous

---:----F1 joinTechno.py       (Python)--L1--Top-----------------------------------------------------------------------------------
Rifle team comes out on top in their weekend matches

Team competes in Beanpot and NRA sectionals

By Phil Hess

Returning to action for the first time in 2014, the MIT rifle team came up with a number of career highs during the annual Beanpot competition this weekend, enough to carry the Engineers to the team title. MIT posted the top scores in both the small bore and air rifle disciplines on Saturday, putting up scores of 2,164 and 2,245 to edge out second-place Coast Guard.

On Sunday MIT had the top air rifle score as well with a 2,246. Coast Guard posted the top smallbore score on the final day, a 2,187. Teams from Canisius, Penn State, Wentworth Institute of Technology and Penn State ROTC also took part in the competition.

Posting rounds of 97 and 98 in the kneeling position of the smallbore competition on Saturday, Katya Liao ’14 went on to post a career-high 500 to lead MIT and all other shooters in the match. Liao just edged out Alexis Chavarria-Aguila from Coast Guard by six points for the individual title.

Sarah N. Wright also had a round of 99 in the air rifle contest on Sunday, leading the Engineers to the team title. MIT posted a 524 in air rifle on Sunday. L. Britto ’14 also set a new career-high for the Engineers, firing off a 500 in air rifle on Sunday. Chavarria-Aguila was the runner-up again, posting one score of 98 in the prone position on her way to a final total of 569. Chavarria-Aguila was the top individual honors. Chavarria-Aguila took third with a 572 to tie with Coast Guard’s Nicholas Paisker for top individual honors.

Wright was second, duplicating her Saturday effort with another 500 in air rifle on Sunday. Chavarria-Aguila claimed third overall for Coast Guard with a 569. Liao fired a 501, with Shen upping her career best again with a 549.

Mathesius also recorded a season best in air rifle with her total of 524 on Saturday and added another 500 in air rifle on Sunday with a 549. Mathesius also recorded a season best in air rifle with her total of 524 on Saturday and added another 500 in air rifle on Sunday with a 549. In the team scoring it was another close one, with the Engineers again edging out the Bears, 2,246 to 2,237.

Goh claimed the top spot on Sunday, seeing all of her rounds score at least 93 points on her way to a season-best of 574. Wright was second, duplicating her Saturday effort with another 572. Chavarria-Aguila claimed third overall for Coast Guard with a 569. Liao fired a 501, with Shen upping her career best again with a 549.

Mathesius also recorded a season best in air rifle with her total of 524 on Saturday and added another 500 in air rifle on Sunday with a 549. Mathesius also recorded a season best in air rifle with her total of 524 on Saturday and added another 500 in air rifle on Sunday with a 549. In the team scoring it was another close one, with the Engineers again edging out the Bears, 2,246 to 2,237.

Goh claimed the top spot on Sunday, seeing all of her rounds score at least 93 points on her way to a season-best of 574. Wright was second, duplicating her Saturday effort with another 572. Chavarria-Aguila claimed third overall for Coast Guard with a 569. Liao fired a 501, with Shen upping her career best again with a 549.

The MIT Rifle Team competed in the Beanpot Competition this past weekend. The Engineers set numerous career highs and beat five other teams to take the title.

MIT had a busy week of competition; on Friday evening, the Cardinal and Grey traveled to Williamsport, Mass. to face Williams College, falling to the Ephs in a close, aggressive meet by a score of 159-137. On Saturday, MIT hosted Amherst College, ending the day with a 185-115 victory. Against Amherst, the Engineers started the day off right by posting rounds of 97 and 98 in the kneeling position of the smallbore competition on Saturday, Katya Liao ’14 went on to post a career-high 500 to lead MIT and all other shooters in the match. Liao just edged out Alexis Chavarria-Aguila from Coast Guard by six points for the individual title.

Sarah N. Wright also had a round of 99 in the air rifle contest on Sunday, leading the Engineers to the team title. MIT posted a 524 in air rifle on Sunday. L. Britto ’14 also set a new career-high for the Engineers, firing off a 500 in air rifle on Sunday. The rifle team also won NRA sectionals.

MIT swim team receives awards

Team wins in weekend meets

By Charlotte Brackett

Michael J. Liao ’14 was named the NEWMAC Swimmer of the Week and was part of the 200-yard medley relay, along with Bradley A. Martin ’16 and Sean R. Corcoran ’16, and Austin D. Futhman ’15, that received Relay of the Week accolades on Monday.

This is the fourth time this season, dating back to Nov. 25, that the Engineers have earned both Swimmer and Relay of the Week during the same week.

MIT had a busy week of competition; on Friday evening, the Cardinal and Grey traveled to Williamsport, Mass. to face Williams College, falling to the Ephs in a close, aggressive meet by a score of 159-137. On Saturday, MIT hosted Amherst College, ending the day with a 185-115 victory. Against Amherst, the Engineers started the day off right by posting rounds of 97 and 98 in the kneeling position of the smallbore competition on Saturday, Katya Liao ’14 went on to post a career-high 500 to lead MIT and all other shooters in the match. Liao just edged out Alexis Chavarria-Aguila from Coast Guard by six points for the individual title.

Sarah N. Wright also had a round of 99 in the air rifle contest on Sunday, leading the Engineers to the team title. MIT posted a 524 in air rifle on Sunday. L. Britto ’14 also set a new career-high for the Engineers, firing off a 500 in air rifle on Sunday. The rifle team also won NRA sectionals.

MIT hosted Amherst College, ending the day with a 185-115 victory. Against Amherst, the Engineers started the day off right by posting rounds of 97 and 98 in the kneeling position of the smallbore competition on Saturday, Katya Liao ’14 went on to post a career-high 500 to lead MIT and all other shooters in the match. Liao just edged out Alexis Chavarria-Aguila from Coast Guard by six points for the individual title.

Sarah N. Wright also had a round of 99 in the air rifle contest on Sunday, leading the Engineers to the team title. MIT posted a 524 in air rifle on Sunday. L. Britto ’14 also set a new career-high for the Engineers, firing off a 500 in air rifle on Sunday. The rifle team also won NRA sectionals.

MIT and all other shooters in the match. Liao just edged out Alexis Chavarria-Aguila from Coast Guard by six points for the individual title. Sarah N. Wright ’16 was third overall with a 555, including a round of 99 in the prone position. Kelly J. Mathesius ’17 turned in a season-best of 524 and Abra H. Shen ’16 fired a 519 for the Engineers, who edged Coast Guard by six points for the individual title. Sarah N. Wright also had a round of 99 in the air rifle contest on Sunday, leading the Engineers to the team title. MIT posted a 524 in air rifle on Sunday. L.Britto ’14 also set a new career-high for the Engineers, firing off a 500 in air rifle on Sunday. The rifle team also won NRA sectionals.

Michael J. Liao ’14 was named the NEWMAC Swimmer of the Week and was part of the 200-yard medley relay, along with Bradley A. Martin ’16 and Sean R. Corcoran ’16, and Austin D. Futhman ’15, that received Relay of the Week accolades on Monday. This is the fourth time this season, dating back to Nov. 25, that the Engineers have earned both Swimmer and Relay of the Week during the same week.

MIT had a busy week of competition; on Friday evening, the Cardinal and Grey traveled to Williamsport, Mass. to face Williams College, falling to the Ephs in a close, aggressive meet by a score of 159-137. On Saturday, MIT hosted Amherst College, ending the day with a 185-115 victory. Against Amherst, the Engineers started the day off right by posting rounds of 97 and 98 in the kneeling position of the smallbore competition on Saturday, Katya Liao ’14 went on to post a career-high 500 to lead MIT and all other shooters in the match. Liao just edged out Alexis Chavarria-Aguila from Coast Guard by six points for the individual title. Sarah N. Wright also had a round of 99 in the air rifle contest on Sunday, leading the Engineers to the team title. MIT posted a 524 in air rifle on Sunday. L. Britto ’14 also set a new career-high for the Engineers, firing off a 500 in air rifle on Sunday. The rifle team also won NRA sectionals.

Michael J. Liao ’14 was named the NEWMAC Swimmer of the Week and was part of the 200-yard medley relay, along with Bradley A. Martin ’16 and Sean R. Corcoran ’16, and Austin D. Futhman ’15, that received Relay of the Week accolades on Monday. This is the fourth time this season, dating back to Nov. 25, that the Engineers have earned both Swimmer and Relay of the Week during the same week.

MIT had a busy week of competition; on Friday evening, the Cardinal and Grey traveled to Williamsport, Mass. to face Williams College, falling to the Ephs in a close, aggressive meet by a score of 159-137. On Saturday, MIT hosted Amherst College, ending the day with a 185-115 victory. Against Amherst, the Engineers started the day off right by posting rounds of 97 and 98 in the kneeling position of the smallbore competition on Saturday, Katya Liao ’14 went on to post a career-high 500 to lead MIT and all other shooters in the match. Liao just edged out Alexis Chavarria-Aguila from Coast Guard by six points for the individual title. Sarah N. Wright also had a round of 99 in the air rifle contest on Sunday, leading the Engineers to the team title. MIT posted a 524 in air rifle on Sunday. L. Britto ’14 also set a new career-high for the Engineers, firing off a 500 in air rifle on Sunday. The rifle team also won NRA sectionals.