Protein folder wins National Medal of Science
Professor Susan Lindquist honored for her work on the ways proteins assemble

By Divya Srinivasan

MIT Professor Susan L. Lindquist was awarded the National Medal of Science by President Obama last Friday. She recalls her unexpected introduction to research.

“I went to the University of Illinois for college, and to my surprise I didn’t have any grand goals. However, I took a course in Biology and John Drake said, ‘Gee, would you ever, I took a course in Biology and...’” Lindquist said.

The National Medal of Science was created in 1959 by Congress. Awarded annually by the National Science Foundation for the White House, the Medal was created to recognize “individuals who have made outstanding contributions to the biological, behavioral/social, and physical sciences, as well as chemistry, engineering, computer science, and mathematics.”

President Obama entailed the achievements of this year’s recipients. “Their achievements have redrawn the frontiers of human knowledge while enhancing American prosperity,” he said.

Lindquist’s ground-breaking research in protein folding has shown that varied protein conformations can yield unexpected effects in fields ranging from human disease to evolution. Among many accomplishments, her lab has developed yeast models to better understand protein-folding transitions in neurodegenerative diseases and to test possible therapeutic strategies.

After hearing the news of her selection, Lindquist, a member of the HDAG committee, said that the UA bill was “a waste of time.” Although she agreed that “it got the job done,” she felt that it was “the wrong way to do it.”

Lindquist’s work at Sharon’s Hair Salon in the basement.

Harrison said that the victim took off his belt to defend himself, and the assailant followed suit. The victim had lacerations on his face from the belt.

Harrison also said that the stab victim did not speak English, but he heard the victim say through an interpreter that the suspect was the victim’s cousin.

POLICE talk to passers-by after the stabbing of an Anna’s Taqueria employee. A witness heard the victim say through an interpreter that the suspect was the victim’s cousin.
By Kenneth Chang
THE NEW YORK TIMES

The Moon, at least at the bottom of a flood, cold dark crater near its south pole, seems to be wetter than the Sahara, scientists reported Thursday.

In lunar terms, that is an oasis, surprisingly deepened for a place that had long been thought by many planetary scientists to be utterly dry.

If astronauts were to visit this crater, they might be able to move some that can hold up to 10 to 13 gallons of water out of eight snowbanks worth of soil. The water, if purified, could be used for drinking or broken apart into hydrogen and oxygen. The oxygen would be air for breathing and with the hydrocarbons could be used as rocket fuel to get home or travel farther out to asteroids or Mars.

"That is a very valuable resource," said Anthony Colaprete, principal investigator of NASA's Lunar Crater Observation and Sensing Satellite — or LCROSS, for short — which made the observations as it, by design, slammed into the Moon a year ago. "This is wetter than some places on Earth."

The Sahara sands are 2 percent to 5 percent water, and the water is tightly bound to the minerals, Colaprete said. In the lunar crater, which lies in perpetual darkness, the water is in the form of almost pure ice grains mixed in with the rest of the soil, and it is easily fair to extract. The ice is about 5.6 percent of the mixture and, given the uncertainties, possibly as high as 8.5 percent.

LCROSS scientists found "that is a large number, larger than I think anyone was anticipating," Colaprete said.

Extraordinarily, he extrapolated there could be 1 billion gallons within the crater.

The $79 million LCROSS mission is pegged on the Lunar Reconnaissance Orbiter, which was launched in June 2009 and has been mapping out the lunar surface for a future return by astronauts. LCROSS also will bring back the empty second stage of the rocket, which otherwise would have just burned up in the Earth's atmosphere, on a collision course with the Moon.

In October of 2009, as it neared impact, the spacecraft released the empty second stage and slowed down slightly so that it could watch the stage's 5,560 mph crash into a 60-mile-wide, two-mile-deep crater named Cabeus. Quickly transmitting its gathered data to Earth, LCROSS met the same demise four minutes later.

For people who watched the live Webcast video transmitted by NASA, the event was a disappointment, with no obvious plume from the impact. But as they made a closer analysis of the data, scientists found everything they were looking for, and more. In November, the team reported that the impact had kicked up at least 26 gallons of water, confirming suspicions of ice in the craters.

The new results increase the water estimate to about 60 gallons, and by estimating amount of dirt excavated by the impact, calculated the concentration of water for the first time.

Articles reporting the LCROSS results appear in Friday's issue of the journal Science.

Nasa locates a moon oasis that's wetter than the Sahara

Credit cards to soon get a makeover, new technology

Next month, Citibank will begin testing a card that has two buttons and tiny lights that allow users to choose at the register whether they want to pay with rewards points or credit, at most anything from frozen yogurt to a TV. Other card issuers are testing more newfangled cards, including some that can double as credit and debit cards, and cards with cards that can signal right into the plastic. One, for instance, shows a portion of the account number only after the cardholder enters a PIN.

Even with the innovations, no one knows how long plastic cards will last. Citibank cards are known as 2G, for second generation and considered as conventional plastic, but they contain a battery with a four-year life, an embedded chip and, of course, the buttons, which took nearly a year and hundreds of thousands of dollars to develop.

— Sara Siegel Bernard, The New York Times

Large corporate donors help Chamber influence campaign

By Eric Lipton, Mike McIntire, and Don Van Natta Jr.
THE NEW YORK TIMES

Prudential Financial sent in a $2 million donation last year as the U.S. Chamber of Commerce, a powerful national advertising campaign to weaken the historic rewrite of the nation's financial regulations.

Dow Chemical delivered $1.7 million to the chamber last year as the group took a leading role in aggressively fighting new proposed rules that would impose tighter security requirements on chemical facilities.

And Goldman Sachs, Chevron Texan and Aragon, a multi-national insurance company based in the Netherlands, donated more than $8 million in recent years to a chamber foundation that has helped wage a national campaign against the ability of trial lawyers to sue businesses.

These large donations offer a glimpse of the chamber's money-raising efforts, which it has ramped up recently in an orchestrated campaign to become one of the most well-financed critics of the Obama administration and an influential player in this Chamber of Commerce's Congressional elections.

Donors to finance much of its Washington lobbying effort are funneled at least $10 million to the chamber last year, all of it anonymously, to oppose Obama's health care legislation. As a nonprofit organization, the chamber need not disclose its donors in its public tax filings, and because it says its donations are earmarked for specific ads aimed at a candidate, it does not invoke federal elections rules requiring disclosure. The ad is expected to run in the chamber campaign's website, which might encourage more business-to-business donations.

That's about a $300 million difference between what the chamber is reportedly paying for its recent campaign ads and the amount the group spent on its previous campaign in 2008 that each exceeded $1 million.

So far, the chamber has dispersed $240 million of a promised $360 million to fight their political battles and pay for the political battles and pay handsomely for its help.

And these contributions, some of which can be pieced together through tax filings of corporate foundations and other public records, also show how the chamber has increasingly relied on a relatively small collection of big corporate donors to finance much of its Washington agenda.

The chamber makes no apologies for its policy of not identifying its donors. It has vigorously opposed legislation in Congress that would require groups like it to identify their biggest contributors when they spend money on campaign ads.

Proponents of that measure pointed to reports that health insurers and other business groups poured at least $10 million into the chamber last year, all of it anonymously, to oppose Obama's health care legislation. As a nonprofit organization, the chamber need not disclose its donors in its public tax filings, and because it says its donations are earmarked for specific ads aimed at a candidate, it does not invoke federal elections rules requiring disclosure. The anonymous tax returns that the chamber releases include a list of all donations over $5,000, including 21 in 2008 that each exceeded $1 million.

Stress-free slaughter may mean more tender chicken

Shoppers in the supermarket today can buy chicken free of nearly everything but adjectives. It comes free-range, cage-free, humanely raised, antibiotic-free, rain-fed, pasture-raised, herb-fed, organic, even air-chilled. Coming soon: stress-free?

Two premium chicken producers, Bell & Evans in Pennsylvania and Mary's Chickens in California, are preparing to switch to a system of killing their birds that they consider more humane.

"When you grab a chicken, turn it upside down and put it on the table, it's very agitated," said Scott Sechler, the owner of Baja Wilson, in Arizona and Mary's Chickens in California, are preparing to switch to a system of killing their birds that they consider more humane.

"They are no thicker and just as flexible as conventional plastic, but cards will last. Citi's cards known as 2G, for second generation and considered as conventional plastic, but they contain a battery with a four-year life, an embedded chip and, of course, the buttons, which took nearly a year and hundreds of thousands of dollars to develop.


Friday, October 22, 2010

WEATHER

Fall fluctuations

By Allison A. Wing
THE NEW YORK TIMES

Fall weather in New England is characterized by a great deal of variability in the day to day weather, even more so this year. Late fall winds, sea fog and frost have been prominent this year. This fall has been characterized by a series of days.

A cold frontal passage through last night brought snow to the region, making the temperatures, before 30°F. Over the weekend. The weekend should be mostly rain free, with the ex-
Sikhs disappointed by Obama plan to bypass India temple

WASHINGTON — Sikhs in the United States expressed their frustration Thursday that President Barack Obama would skip a tentatively planned visit to their holiest site in India. The president, who is Christian, has fought the perception that he is Muslim. Sikhs are regularly mistaken for Muslims.

“The development is not good in a time where, you know, some people are calling him Muslim,” said Jasjit Singh, associate director of the United Sikhs, a New York-based human rights group, also urged the White House to reconsider.

Obama was expected to visit the Golden Temple in Amritsar, India, next month, but there were questions about how he would showcase his head. Sikh tradition requires that men tie a piece of cloth on their heads before entering the spiritual center. The president, who is Christian, has fought the perception that he is Muslim. Sikhs are regularly mistaken for Muslims.

There’s a xenophobic trend in this country, where some people are calling him Muslim,” said Jasjit Singh, associate director of the United Sikhs, a New York-based human rights group, also urged the White House to reconsider.

“It’s particularly offensive because the visit is a gesture of India and the United States taking it to the next level,” Singh said. “They are trying to win them back.”

The Treasury Department has spent $13 billion on Fannie and Freddie since they were seized by the government in 2008 to cover their losses on soured mortgage loans. Even under the worst-case scenario detailed on Thursday by the FHFA, the price of new cash inclusions would decline by nearly 3 percent.

Panel’s report assails Haiti officials in prison killings

After officers had quelled the prison uprising in Les Cayes, Haiti, in January, a series of killings that started after the prison riot led to public outcry. The International Commission of Inquiry into the November 2009 uprising in Haiti called on the White House to reconsider.

The report to the president’s human rights commission, which was released Thursday, said that there might be legitimate reasons, like security, why the president is not aware of any incidents linked to these problems.

Analysts say Toyota was eager to appear more forthcoming about potential defects. “Many say the president should not be called Muslim, but rather a Muslim,” said Martha Nanz, a specialist in religious studies.

The outreach to women — which has been a key element in Obama’s two years in office. Democratic women were seen as a last hope to overcome the losses on soured mortgage loans. Even under the worst-case scenario detailed on Thursday by the FHFA, the price of new cash inclusions would decline by nearly 3 percent.

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Support is available for rape victims

On October 7, there was a post on iawmism showing a disregard for rape. First and most importantly, we would like to thank the survivor who posted this. Thank you for making the broader decision to post on the site, and for drawing attention to the too often neglected issue of sexual violence.

We would like to see a community response that offered support.

It was wonderful to see a community response to this post from fellow MIT students that offered support.

Notably, the post described an instance of sexual assault that occurred between two partners within the context of a relationship, and one that occurred between two students who were in a distant one, especially given the feasibility of recycling, and the high likelihood of discovering greater reserves as prices rise and manufacturing increases. It also has some 90 million metric tons, and 120 million metric tons, annual global consumption is a fraction of a fraction of the world's production of rare earth metals in the world.

Krugman asks, “Where did the rare earth industry go?" We should be asking, "Where did Paul Krugman go?"

As an MIT trained economist, Krugman should know better. Monopoly power requires much more than merely being the sole producer of a good. In order for a monopoly to extract rents from its customers, it must be able to raise its prices without inviting competition — there must be barriers to entry, something that prevents the hoi polloi from coming in and undercutting you as soon as you try to put on the squeeze. While it is possible for their own behavior, each and every consumer has some monopoly power over rare earth metals — through supporting a community response to this post from fellow MIT students that offered support.

For rape victims, the survivor isn't sure what their options are. While some may choose to report the assault, others may have perfectly valid reasons for not to report the rape. The survivor isn't responsible to take action to prevent the perpetrator from doing so. He is the only person responsible for any instance of sexual violence that happens to her.

MIT’s Violence Prevention & Response Team (VPR) [program, part of Community Wellness at MIT Medical, supports survivors of sexual violence in their recovery. We offer help with filling a police report, taking legal action, seeking medical attention, obtaining counseling, and a wide range of other resources. The VPR has been supporting those who simply wish to talk to someone, or who are unsure of what to do.

Even though every individual is responsible for their own behavior, each and every consumer has some monopoly power over rare earth metals — through supporting a community response to this post from fellow MIT students that offered support.

The photo of the cardboard boat regatta on page 12 of Tuesday's issue misidentified the names and places of the two rowers at the front of the boat. They are (front to back) Brian D. Metz '12 and Matesa Pena Doll '14, Brian D. McCarthy '12 and David M. Templeton '12.
In black jails, dissidents face psychological and physical torment for political disobedience.

Meet the protagonist: Liu Xiaobo, an internationally famed human rights activist, who was in prison for 11 years before he passed away. He committed acts of civil disobedience in defiance of the Chinese government’s ban on such activities. In 2010, he was awarded the Nobel Prize for his efforts. His actions were seen as a challenge to the Chinese government's authority, and he was imprisoned as a result.

Liu was arrested in 2008 for his role in the Charter 08 campaign, which called for political reforms and human rights. He was imprisoned without trial and was denied access to his lawyers and family. He died in July 2017 due to organ failure.

In China, political dissent is punished severely. Dissidents are often kept in black jails, where they are subjected to psychological and physical torture. There are reports of torture and abuse in these facilities, including beatings, electric shocks, and other forms of physical and psychological torment.

There are international campaigns to help these prisoners, such as the “It Gets Better” project, which seeks to reach out to LGBT youth who are facing bullying and discrimination. The project has been successful in providing a sense of community and support to these young people.

In response to Liu Xiaobo's death, there were protests in China, and there were calls for a crackdown on political dissent. The Chinese government has been accused of using violence and repression to silence political opposition.

In conclusion, political dissent in China is punished severely. The Chinese government uses black jails to silence political opposition, and dissidents face psychological and physical torment for their actions. There are international campaigns to help these prisoners, and there are protests in China in response to their treatment.

The takeaway is the resilience of Liu Xiaobo and the importance of fighting for political freedom.
Wednesday stabbing suspect still at large, police say
Suspect worked at Anna’s Taqueria, described as Hispanic male in his twenties, about 5'9"

Translator that he and the assailant were cousins.
The MIT Police described the suspect as a “Hispanic male, age 20-30, 5’8” to 5’9” wearing a red and black baseball cap with the letter C and wearing light blue jeans.” In response to the incident, the MBTA stopped both inbound and outbound trains from the Kendall T Station.
The Cambridge Police have taken the lead on the investigation and are collaborating with MIT Police.

Elijah Jordan Turner, Joseph Maurer, Pearle Lipinski, and John A. Hawkinson contributed reporting to this story.

Amendment to IFC judicial rules fails vote
In the wake of Phi Beta Epsilon’s expulsion by the Interfraternity Council (IFC), an amendment that would have required any Judicial Committee hearing resulting in suspension or expulsion of a fraternity to be confirmed by a majority vote of the fraternity presidents did not pass at the IFC Presidents Council meeting on Wednesday. The IFC did not release the vote count. However, the IFC Executive Board, made up of the seven IFC officers, created a committee to review the IFC judicial policies and procedures to explore possibilities for improvement. “Regardless of whether or not changes need to be made, the amount of attention and concern the judicial procedures have generated warrants a thorough review,” said Ryan Schoen ’11, president of the IFC. Schoen did not have any details on the new committee which he said is still in the preliminary stages.

Joanna Kuo

Wednesday stabbing suspect still at large, police say
Suspect worked at Anna’s Taqueria, described as Hispanic male in his twenties, about 5’9”

Police respond to the non-fatal stabbing of an Anna’s Taqueria employee in front of the Stratton Student Center on Wednesday afternoon. Anyone with information is requested to contact the Cambridge Police at 617-349-3300 or the MIT Police at 617-253-1212.

In response to the incident, the MBTA stopped both inbound and outbound trains from the Kendall T Station.
The Cambridge Police have taken the lead on the investigation and are collaborating with MIT Police.

Elijah Jordan Turner, Joseph Maurer, Pearle Lipinski, and John A. Hawkinson contributed reporting to this story.

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LUCILY THE GM COLLEGE DISCOUNT DOESN’T.
In fact, it’s the best college discount from any car company, and can save you hundreds — even thousands — on a new Chevrolet! Buick or GMC. If you’re in college, a grad program or even if you’re a recent grad, take advantage of this discount today and get a great deal on a new ride to call your own. Check it out:

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In fact, it’s the best college discount from any car company, and can save you hundreds — even thousands — on a new Chevrolet! Buick or GMC. If you’re in college, a grad program or even if you’re a recent grad, take advantage of this discount today and get a great deal on a new ride to call your own. Check it out:

Don’t forget... you can also combine your discount with most current incentives.

Discover your discount today at gmcollegediscount.com/MIT

The cars and trucks shown are available for purchase at participating GM dealers. GM COLLEGE DISCOUNT. The cars and trucks shown are available for purchase at participating GM dealers.
Top scientist is mother of two, found balance
Honored by President Obama, Whitehead's Susan Lindquist manages science and family

Lindquist, from Page 1

Whitehead Institute for Biomedical Research and an MIT biology pro-
tessor, was "absolutely thrilled — just immensely excited!"

Finding her way as a woman in science

Like many success stories, Lindquist’s was not without hard-
ship. Pursuing research at a time when women were seldom found
in science, Lindquist recounted her evolution as a scientist, starting
from her days as a graduate student in the PhD program at Harvard
University in 1976.

"As a graduate student I was just so excited about the world of mo-
lecular biology. It was such a thrill-
ing time to be involved in science
but at the same time, it was rather
a bleak time in terms of women. I
never even hoped to have my own
lab one day. My imagination was
that I was going to be working in the
corner of some man's laboratory."

Here, research took a turn for the better. Lindquist says that the
plan, 92 percent “did not prefer
those who had heard about the
of 665 respondents showed that
significantly cut costs. "The UA survey
compulsory or revised to signifi-
cantly.

At Next House had demanded that
the plans are $2,900, $3,400 and
$3,800, respectively. These plans
complement the plans are $2,900, $3,400 and
$3,800, respectively. These plans
dine meals equally between
breakfast and dinner.

A petition started by students
at Next House had demanded that
the dining plan be either "non-
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breakfast and dinner.

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...
A night at the opera transfiguring into a trip to the tropical paradise of Bali sounds like an excellent selling proposition, particularly for the theater-starved Bostonians. Yet, Evan Ziporyn’s recent opera “A House in Bali” has only now been staged in our beloved city after more than a year since its American premiere, which took place in San Francisco last fall.

Leaving aside the implications of this long delay, which suggests Boston’s more conservative musical preferences, the Boston premiere of “A House in Bali” was a momentous occasion for the MIT community, as two of our own faculty, composer Evan Ziporyn and director Jay Schelb had the opportunity to introduce their most recent large-scale work to the local audience. A bold fusion attempt, not only musically, but also in terms of style, vision and presentation, the opera dazzles with its innovative juxtaposition and interweaving of western post-modern classical performance and traditional Balinese performance. The opera features the simultaneous presence on stage of a western chamber music group, an entire Balinese gamelan ensemble, western opera singers, traditional Balinese female dancers, live acting, video feeds and recorded footage, plus an intricate often-changing stage décor. All these elements synergize and captivate the audience in an experience that is both overwhelming and profoundly inspiring. The Boston performances featured the New York-based Bang on a Can All-Stars ensemble as the western musical group, joined by the amazing Gamelan Salukat from Bali, led by Deva Ketut Alit.

The opera is based on an autobiography by Cutler Majestic Theater

Bali, led by Deva Ketut Alit.

The opera is based on an autobiography by James Dennis Leary, Esq.

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You are welcome here.

You are welcome to visit, attend, or join Christian communities here at MIT, regardless of your current or past religious beliefs, or lack thereof.

This invitation stands regardless of your identity, including your race/ethnicity, gender, culture, sexual orientation, disability, socioeconomic background, age, native language, genetic information, veteran status, marital status, or ancestry.

MIT LEM
Lutheran Episcopal Ministry
Wednesdays 5:15p MIT Chapel
lemsc@mit.edu

MIT Baptists Chaplaincy
Wednesdays 6:00p W11-080
mdean@mit.edu

MIT PSCOMM
Protestant Student Community
Sundays 11:00a MIT Chapel
chaplain@mit.edu

MIT Chaplain to the Institute
Robert Randolph
W11-128
randolph@mit.edu
Fun

Steal My Comic by Michael Ciuffo

How was the test?

Jeez, I hope they curve it.

That bad, huh?

I wouldn't worry about it.

I heard the average last year was pretty bad.

Help Desk by Michael Benitez

Okay, the next item on the agenda is hazing. There's been a lot of hazing in this comic recently and it needs to stop. It's not allowed and could get us thrown from the paper. And yes, this includes forcing new characters to walk around in one dimension.

Yeah!

Oooh! Pretty colors! Is that a new drink?

Yup.

I call it the M.I.T.ini. Cool! What is it?

Straight vodka.

...Rimmed with nerds!

*Special thanks to Jeremy P. Edwards, Castronaut*

Somewhere on the Search for Meaning by Letitia Li

Since we both have someone we need to break out, let's work together!

I could use some help. We can talk over the plan around the campfire.

We're staying in the forest? Why can't we stay in town?

...Because bribing guards and illegally leaving jail might be considered a crime there.

Ok, but there will be fanatics of us falling in love alone on a dark night.

On second thought, let's find an inn with rooms on opposite sides of the building.

Dilbert® by Scott Adams
Crossword Puzzle
Solution, page 7

ACROSS
1 FDR program
4 Geneticist’s study
7 Fella
10 Speed meas.
13 Sweet ‘ums
14 Sniggler’s prey
15 Candler of Coca-Cola
16 Lodge load
17 Had brunch
18 Bad in Sedan or Limousin
21 Start of Molly Ivins quote
24 Botherations
26 Kind of sch.
28 Part 2 of quote
29 Writer Fleming
30 Rhyming verse
31 Supplements the hard way
32 Part of B.S.
33 Type of bicycle
34 Part 3 of quote
35 Inclined to give in
36 Mike of talk radio
40 Soft metal
41 Christiania today
45 With all one’s might
46 Uno e due
47 Part 4 of quote
48 Sooty matter
49 Make dirty
50 Site of ancient games
51 End of quote
52 Peau de __ (soft silk)
53 Eye part
54 Inhuman being
55 Dudgeon
56 Eerie poet
57 Douglas’ tree?
58 Unwell
59 Nothing at all
60 Basics of edu.
61 Scottish river
62 Wide shoe
63 Young ladies’ org.
64 CIA predecessor
65 Neighbor of Calif.
66 __-oo!
67 Range
68 Make dirty
69 Make dirty
70 Site of ancient games
71 End of quote
72 Range
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102 Range
103 Range
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112 Range

DOWN
1 Huh?
2 Lid lifter
3 Haystack odd one out?
4 Negligent
5 Approaching
6 Pimento
7 Not productive
8 Deplete
9 Ancient fertility god
10 Went by automobile
11 Abundant
12 Of a female
13 Heavy weight
14 40 Soft metal
15 Candler of Coca-Cola
16 Lodge load
17 Had brunch
18 Bad in Sedan or Limousin
19 One with lots to offer?
20 Strung along
21 Start of Molly Ivins quote
22 Enemies
23 Overland excursion, perhaps
24 Botherations
25 Kind of sch.
26 Narcotic
27 Sweat shop?
28 Part of B.S.
29 Writer Fleming
30 Rhyming verse
31 Supplements the hard way
32 Part of B.S.
33 Heavy weight
34 Took first
35 Inclined to give in
36 Pals’ mates
37 Pungent gas
38 Hamper collection
39 Metric unit
40 Soft metal
41 Christiania today
42 Part-time athlete
43 Some claimants
44 Wild Asian asses
45 With all one’s might
46 Uno e due
47 Part 4 of quote
48 Sooty matter
49 Make dirty
50 Site of ancient games
51 End of quote
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Are you a tetris ninja?
Use your powers for good!

New Roles for MIT in Online Education?

With technology rapidly transforming the world around us, what could cutting-edge education look like in the foreseeable future? Should MIT play a new role in this future? Should MIT use technology to extend its educational impact around the world? What will happen if we do nothing?

Help MIT by participating in a new faculty study group’s exploration of these questions. Two ways to contribute:

MIT Online Idea Bank:
The ingenuity and innovation, thoughtfulness, and diverse perspectives of the MIT community are immeasurably valuable in this process. Submit your ideas and thoughts to online-ideas@mit.edu

Independent Student Study Group:
We’re looking to form a thoughtful, forward-thinking group of graduate and undergraduate students to independently develop ideas, and to discuss, advise, and challenge the faculty group. If you are interested, e-mail MIT-online@mit.edu

For more information about the faculty study group, see http://web.mit.edu/provost/studygroup/
Volleyball sweeps Wheaton
Engineers post second straight 3-0 win, now 17-10

By Paul Dill
HEAD COACH

In a NEWMAC women's volleyball match, MIT regis-
tered a 25-7, 25-10, 25-19 victory over Wheaton College on Tuesday night. The Engineers improved to 17-10 overall and 5-2 in league play.

MIT quickly established a 5-1 lead in the opening frame, but Wheaton trimmed its deficit to 7-4. The Engineers responded by mounting an 18-3 run to capture the set. During that stretch Katie K. Spielbau-
er '13 registered four consecutive aces on seven serving attempts.

Each side traded points to start the second stanza until MIT scored six in a row to go up 9-3 and force a timeout. The break the Wheaton won two of the next three points, narrowing its gap to four (10-6). This was as close as it would get as the Engineers outscored the visitors, 15-4, to close out the frame.

Wheaton opened the third set with backhanded aces. The Cardinal and Gray countered with five straight points which were matched by the Lyons after they called a timeout. Kills by Tatiana Berger '14, Emma S. Gargus '14, and Jessica L. Fessler '14 gave MIT an 8-7 edge. Wheaton capitalized on miscues by the hosts to go ahead, 10-8, but then the Engineers recorded a 7-1 run to take the lead for good.

MIT used another 7-1 spurt to gain some breath-
rating room after Wheaton pulled within one point, but Wheaton stayed within striking distance at 22-18. Hits from Rachel A. Hunt '14 and Fessler resulted in match point but a strike by Wheaton extended the set. Fessler's strike clinched the match on the Engineers' next at-
tempt.

Trinity P. Leonard '13 paced MIT's attack with 11 kills as Kristine A. Bunker '14 posted five blocks. Each side traded points to start the second stanza

Field hockey beats Wellesley, 2-1
Kauffman's deflection in 69th minute breaks deadlock

By Greg McKeever
DALE STAFF

Co-captain Katie Kaufman '12 redirected a shot from the top of the circle in the game's final minutes to help the MIT field hockey team secure a dramatic, 2-1 win over visitors Wellesley College in NEWMAC play on Jack Barry Field Tuesday night. Kaufman's goal, along with stellar MIT defense which limited the Blue just to six shots, helped the Engineers win by a score from an overtime loss to Mount Holyoke College earlier in the week and improve to 14-2 overall and 6-1 in league play. The game was Tech's first over Wellesley since 2004.

After entering the ball on a penalty corner with just un-
der two minutes remaining, Kaufman positioned herself on the left post and was in perfect position to deflect a shot by Alexandra A. Wright '11. The goal was Kauffman's 11th of the season and third in the past five games. Kimberly A. Barker '13 gave the hosts an early advan-
tage, gathering a bouncing rebound in front of the net and tapping it into the cage just over 10 minutes into the contest. Tech would control possession for most of the period, peppering the Wellesley defense with 18 shots in the half.

The pace slowed considerably in the second half and the action shifted to the midfield, as the teams combined for just nine shots in the final 35 minutes. Emily Lewis fi-
nally broke through for the Blue just over eight minutes into the second, as she collected her own rebound and beat MIT goalie Keri A. Dixon '11 to knot the score at one. The teams would play another 25 scoreless minutes be-
fore Kauffman's game-winner in the waning moments.

The Cardinal and Gray held a 22-6 advantage in shots and earned seven penalty corners to just three for Welles-
ley. Dixon made three saves, all in the second half, to pick up her 14th win of the campaign.

MIT is now off for the next 10 days before concluding its regular season with a home game against Babson College on October 30. The 1 p.m. contest could help decide the NEWMAC regular season crown and the top seed in next month's conference tournament.

UPCOMING HOME EVENTS

Friday, October 22
Men's water polo vs. Harvard University
5 p.m., Dunlop Range
8 p.m., Z-Center Pool

Saturday, October 23
Men's and women's crew: Head of the Charles
9 a.m., Charles River
9 a.m., Dunlop Range
Sailing: Oberg Trophy
9:30 a.m., Charles River

Men's soccer vs. Clark University
1 p.m., Steinmetz Memorial Stadium
Football vs. Salve Regina University
5 p.m., Steinmetz Memorial Stadium

Sunday, October 24
Men's and women's crew: Head of the Charles
9 a.m., Charles River
Sailing: Oberg Trophy
9:30 a.m., Charles River

SPORTS SHORTS

Leonard, Chenery earn weekly honors

Columbus Leonhard '12 and Craig Chenery '14 earned Player of the Week honors from the NEWMAC Northern Division Defensive Player of the Week while Chenery was tabbed as Rookie of the Week. The water polo team beat Connecticut College on Friday night, 15-
6, and Queens College on Saturday, 15-
14, before falling to St. Francis College, 16-7, bringing their record to 7-6.

Leonard had a record-breaking performance in net on Saturday against Queens College, setting a single-game MIT record for saves in the back-and-

to-back four shootouts. The Engineers needed every one of his 21 stops to hold off Queens, 15-14. Leonard also made 14 saves in the Blue and St. Francis later in the day and held Connecticut College scoreless while playing just the first quarter and Friday night's game.

Chenery tallied 10 goals in the three games over the weekend, including a team-high six in the win over Queens. He leads the team with 35 in his rookie cam-
paign.

The Engineers host Harvard in their final confer-
cence match of the season before traveling to Connect-
ic College on Saturday for the Division III Eastern Championship.

—Greg McKeever, DAPER Staff

Rifle splits match with John Jay

The rifle team splits its match against John Jay Col-
ge of Criminal Justice in its second home competition of the fall. All four MIT shooters performed well to out-

come John Jay, 2118-2064, in smallbore.

Tech lost narrowly in air rifle, 2183-2179.

Nigel C. Kojimoto '12 and 12th and Elizabeth A. Phillips '13 posted scores of 553 and 554, respectively, for the second and third highest totals of the match. Lionel F. Sotomayor '12 (518) and Timothy R. Jenks '13 (516) also surpassed the 500-point plateau to contribute to the win.

Despite the close loss, a number of Tech shooters posted career highs in air rifle. Phillips (556), Rebecca L. Gould '11 (570), and Christian A. Valedue '12 (516) each had the best scores of their collegiate careers in the competition. Kojimoto once again paced the team with a score of 508, including three shots of at least 96.

The Engineers also picked up a sweep of Hofstra University in postal results, winning 2149-1405 in smallbore and 1611-1355 in air. The team remains per-
fect on the season in smallbore at 3-0 and an even 2-2 in air rifle competition.

MIT will host the U.S. Naval Academy, Wentworth Institute of Technology and Massachusetts Maritime Academy next weekend beginning Friday, October 22 at 5 p.m.

—Greg McKeever, DAPER Staff

Lionel F. Sotomayor '12 and Rebecca L. Gould '11 of the MIT rifle team shoot during the air rifle com-
petition against Wentworth Institute of Technology on Oct. 2. Though the Engineers lost the air rifle portion of the match, they came away with a split after winning the smallbore competition.