Gareth Jones of the University of Bristol uses hand puppets to explain how bats perform oral sex on each other, before being censored by the proceedings. Last night, there were no further questions, the forum was shut down because of staffing shortages and too many off-duty campus callers tying up resources. See p. 10 for a list of mental health support services available to callers.

IN SHORT
Nightline is dead. The student support hotline, which anyone could call, was shut down because of staffing shortages and too many off-campus callers tying up resources. See p. 10 for a list of mental health support resources if you need help or just someone to talk to.

Subra Suresh ScD ’81, Dean of the School of Engineering, was confirmed by the Senate as Director of the National Science Foundation on Wednesday. He had been waiting since January.

Sergio Marmolev PhD ’97 is a Genius! The MIT physics professor received a MacArthur Foundation Fellowship on Tuesday. He will receive $500,000 over the next five years to spend as she sees fit—no strings attached.

The new Dean for Residential Life and Dining is Henry J. Humphreys, effective Nov. 1. He will be a senior associate dean, reporting to Chris Colangelo, Vice President for Student Life. Humphreys has been Director of Residential Life at Brown College since 2002. He replaces Karen Nilsson, who is retiring.

Send news information and tips to news@tech.mit.edu.
The MBTA is to release real-time data Friday telling riders where subway trains are located and how long it will take for the next train to arrive. This means that in a matter of days riders will be able to use their phones or go online to find arrival times and navigate their way through the system, before going to the bus or subway stations.

The move represents a low-cost way for the MBTA to offer the transit-riding public access to information that people have long been wanting. Although riders can already see train schedules posted at subway stations, so riders can see real-time location and arrival information, without needing a phone or Internet connection, there will still be a window before the trains arrive and are installed at all stations, because of budget limitations.

"I think, for the MBTA, this is a giant step forward," said Richard A. Davey, the T’s general manager since March. When Davey came on board, the agency was a few months into a pilot program that released data for five bus routes to users.

But with Prime Minister Benzin Netanyahu’s 75 so far resisting the administration’s entreaties, the United States is also weighing a fallback plan, officials said, that could involve reaching out to the Palestinians with a pledge to formally endorse one of their central demands for the borders of a future Palestinian state.

The U.S. proposals to Israel came amid a freestyle of diplomatic horse-trading, with the administration maneuvering furiously to keep the talks alive while Netanyahu appeared to be trying to extract a high price for acquiescing on settlements. The Palestinians have threatened to walk away from the talks if Israel does not renew its freeze on construction, something Netanyahu has ruled out.

Adding to the pressure is a meeting in Cairo next week of the Arab League, at which the Palestinian Authority president, Mahmoud Abbas, has promised to deliver a speech in which he will “declare historical decisions.”

That sparked rumors that he might threaten to abandon the talks he has done before.

For now, the administration’s focus remains on Netanyahu, whom U.S. officials hope they can persuade to renew the freeze, with the understanding that Washington will ask for no further extensions. The administration’s special envoy to the region, George J. Mitchell, met with Netanyahu on Wednesday and plans to meet him again before seeing Abbas on Friday.

On Wednesday, the White House’s senior Middle East advisor, Dennis B. Ross and Daniel B. Shapiro, briefed Democratic rep-
20 light-years away, planet may be able to nurture life

By Dennis Overbye

It might be a place that only a flicker or pond scum could love, but astronomers said Wednesday that they had found a very distant planet capable of harboring water on its surface, thus potentially making it a home for plant or animal life.

Nobody from Earth will be visiting anytime soon: The planet, which has three to four times the mass of Earth, would be the most Earthlike planet yet discovered and the first to meet the criteria for being potentially habitable.

"It’s been a long haul," said Dr. Steven S. Vogt of the University of California, Santa Cruz, who, along with R. Paul Butler of the Carnegie Institution of Washington, led the team that made the discovery. "This is the first exoplanet that has the right conditions for water to exist on its surface."

But they expressed caution about this particular planet, noting uncertainties about its density, composition and atmosphere, and the need for another generation of giant telescopes and spacecraft in order to find out anything more about it.

The discovery was announced at a news conference Wednesday in Washington.

Gliese 581g (whose first name is pronounced GLEE-3-a) circles a star known as Gliese 581, once every 37 days, at a distance of about 14 million miles. That is smack in the middle of the so-called Goldilocks zone, where the heat from the star is neither too cold nor too hot for water to exist in liquid form on its surface.

But they expressed caution about this particular planet, noting uncertainties about its density, composition and atmosphere, and the need for another generation of giant telescopes and spacecraft in order to find out anything more about it.

The discovery was announced at a news conference Wednesday in Washington.

North Korea offers peek at leader's presumed heir

By Mark McDonald

North Korean state media released a photograph on Thursday of Kim Jong-un, the son and presumed heir of the ailing dictator, Kim Jong-il, making post.

The vice marshal, who has served as chief of the army general staff, is seen in a dark suit with military training over the last year. Guided Kim Jong-un in his fast-track field experience. South Korean news media reports have suggested that he was a seasoned officer with substantial power.

Chubby and looking somewhat older than his years, Kim Jong-un was seated two spots to his father’s right and next to another rising star, Vice Marshal Ri Yong-ho, seated between them.

President Barack Obama for his hearings bill in August, and it now goes to President Barack Obama for his hearings.

NASA gets new orders that by-pass the moon

NASA, best known as the agency that put the first man on the moon, is about to end its moon program for the foreseeable future.

Under legislation passed by the House late Wednesday, the nation’s spaceflight program will take a new direction. The National Aeronautics and Space Administration will turn to private companies to launch astronauts into space.

That’s the goal of the new mandate “helps put the U.S. space program on a more sustainable trajectory,” said Rep. Bart Gordon, NASA’s deputy administrator, Thursday during a telephone news conference. "We now have an important framework."

The House, in a 304-118 vote on Wednesday, approved a Senate-written bill authorizing $58 billion for NASA over the next three years and setting priorities for the agency. The Senate passed the bill in August, and it now goes to President Barack Obama for his signature.

Questions on ex-housekeeper emerge for a candidate

In many ways, it had the makings of the kind of classic late-campaign political dust-up that happens so regularly in high-profile California campaigns: the celebrity lawyer, the illegal immigrant, a welter of conflicting allegations and conspiracy charges, a candidate willing to take a lie-detector test and the scene of reporters clustered in a sneaky lawyer’s office overlooking the Hollywood Hills.

Here’s what happened:

Brown, the state attorney general.

In a year in which immigration has become a hot and complicated issue, particularly in this state, Whitman found herself trying to explain how she had employed an illegal immigrant as a housekeeper for nine years. She said she fired the housekeeper, Nicandra Diaz-Santillan, when she learned of her status last year.

The development — which Whitman described as a smear by her opponents — came in the midst of a campaign in which she has struggled to be sufficiently tough on illegal immigration to appeal to conservative Republicans without alienating and Hispanics who are critical to any winning electoral calculation here. A poll in The Los Angeles Times last week found that she was struggling against Brown for support among Latino voters.

—Adam Nagourney, The New York Times


Diaz-Santillan, when she learned of her status last year.

She has struggled to be sufficiently tough on illegal immigration to appeal to conservative Republicans without alienating and Hispanics who are critical to any winning electoral calculation here. A poll in The Los Angeles Times last week found that she was struggling against Brown for support among Latino voters.


Diaz-Santillan, when she learned of her status last year.

She has struggled to be sufficiently tough on illegal immigration to appeal to conservative Republicans without alienating and Hispanics who are critical to any winning electoral calculation here. A poll in The Los Angeles Times last week found that she was struggling against Brown for support among Latino voters.


Diaz-Santillan, when she learned of her status last year.

She has struggled to be sufficiently tough on illegal immigration to appeal to conservative Republicans without alienating and Hispanics who are critical to any winning electoral calculation here. A poll in The Los Angeles Times last week found that she was struggling against Brown for support among Latino voters.


Diaz-Santillan, when she learned of her status last year.

She has struggled to be sufficiently tough on illegal immigration to appeal to conservative Republicans without alienating and Hispanics who are critical to any winning electoral calculation here. A poll in The Los Angeles Times last week found that she was struggling against Brown for support among Latino voters.


Diaz-Santillan, when she learned of her status last year.

She has struggled to be sufficiently tough on illegal immigration to appeal to conservative Republicans without alienating and Hispanics who are critical to any winning electoral calculation here. A poll in The Los Angeles Times last week found that she was struggling against Brown for support among Latino voters.

Phi Beta Epsilon can resolve the debate
over their actions with the Interfraternal
Council and whether their actions constitute hazing by
holding a formal hearing and deciding in question to public review. This
document detailing membership, educa-
tion activities for the pledge class of 2013, is the key piece of evidence
desperately needed to determine whether Phi Beta Epsilon activities qualify as hazing.

The IFC’s decision to proceed immediately with their IFc hearing stemmed from a confidence that they will be able to resolve of wrongdoing by approved hazing activities. Yet according to the IFC-president’s
testimony, “This isn’t even a gray zone,” and the IFC’s Judicial Committee’s (J-
C) decision on whether Phi Beta Epsilon satisfies the criteria for hazing, or agrees to PBE’s suspension, then, points to a lack of common understanding over what is considered hazing and thus punishable.

The rigorous defense of PBE by their alumni, and the diametrically opposed stance of the IFC, cannot reach a resolu-
tion until the community is aware of the details of the all the facts. All the
campus activities for the Pledge class of 2013, and the Nominations Committee.

Because of an editing error, Tuesday’s article about hazing
was behind a paywall. These articles stemmed from remembrances of e-learning that were provided by an MIT alumni
at a recent education conference in Paris, and were based on a misinterpretation of the administrator’s remarks. These reports are completely erroneous.

It is common knowledge here at MIT that OCW has been hard at work for the last three years to ensure its long-term
financial sustainability. Key components of the effort include reducing costs, increasing revenues, and implementing new approaches that will enhance the revenue we generate to support OCW. However, putting OCW content behind a pay wall has never been under discussion. The content on MIT OpenCourseWare will continue to be free and available online, as it has always been.

Like other universities, MIT is constantly exploring new educational opportunities — including PBE reducing its e-learning projects — but MIT has no plans to charge for access to MIT OpenCourseWare con-
tent. PBE’s suspension, then, points to a lack of common understanding over what is considered hazing and thus punishable.

Because of his reporting on the PBE suspension, Jeff Guo has recused himself from this editorial.

The photo of the tent at East Campus desk on page 9 of Tues-
day’s issue was incorrectly attributed to associate news editor
Jingyun Fan. The photo was taken by Anna E. Brunner ’12.

Because of an editing error, Tuesday’s article about hazing at
Phi Beta Epsilon incorrectly stated that Pi Kappa Alpha was previously
expelled from MIT. The original chapter of Pi Kappa Alpha
defunctified from its national organization to become the coed independent
group at MIT, it was not expelled. Pi Kappa Alpha, known as Pike, returned to MIT in 2010 to restart the fraternity.

As and some of the PBE alumni point out, nobody has come forth and claimed to have been hazed. The line
which the IFC sees as common is a need to move swiftly in a way they find
live in fear. The IFC consistently refers to Massachusetts law regarding hazing, but the legal description ranges from
causing “extreme mental stress” all the way to whipping, beating, and branding
in any form. Examples of what to be for the student engaged in some form of hazing.

But if you truly believe your pun-
tishment is unjust, or you have the only chance at reinstatement is to
have the fraternity presidents convince their only chance at reinstatement is to
have the fraternity presidents convince the IFC, cannot reach a reso-
munity is aware of the details of the all the facts. All the
on MIT OpenCourseWare will continue to be free and available online, as it has always been.

Like other universities, MIT is constantly exploring new educational opportunities — including PBE reducing its e-learning projects — but MIT has no plans to charge for access to MIT OpenCourseWare content. PBE’s suspension, then, points to a lack of common understanding over what is considered hazing and thus punishable.

Because of his reporting on the PBE suspension, Jeff Guo has recused himself from this editorial.

The photo of the tent at East Campus desk on page 9 of Tues-
day’s issue was incorrectly attributed to associate news editor Jingyun Fan. The photo was taken by Anna E. Brunner ’12.

Because of an editing error, Tuesday’s article about hazing at Phi Beta Epsilon incorrectly stated that Pi Kappa Alpha was previously expelled from MIT. The original chapter of Pi Kappa Alpha defunctified from its national organization to become the coed independent group at MIT, it was not expelled. Pi Kappa Alpha, known as Pike, returned to MIT in 2010 to restart the fraternity.
The view from Phi Beta Epsilon

By Steve Carhart

At the beginning of this year’s Rush Week, an anonymous party provided the IFC Judicial Committee (JudCom) with circumstantial evidence suggesting that Phi Beta Epsilon (PBE) had violated the IFC’s policies and procedures. Since that time, the culture of MIT has undergone a searching reappraisal of residential living, and in particular, the hazing activities that take place in a dormitory setting.

Since the conclusion of the Phi Beta Epsilon (PBE) judicial process, we have heard many complaints from students, alumni, and others about the procedures used by the Interfraternity Council (IFC). It is greatly surprising and disappointing to hear these concerns, given that we are worried by a process that was agreed upon by every member of the other fraternities, IFC, and administration. We recognize that the vast majority of our student body would not want to do anything like that to their brothers.

As alumni of PBE, we urge the IFC to immediately suspend Phi Beta Epsilon until all outstanding legal matters are resolved. The Phi Beta Epsilon Corporation has attempted throughout this process to produce a lengthy and complex defense. However, in an unfortunate situation, a teaching moment for all concerned. We have had little impact. Alumni bodies have no standing within the IFC judicial process, and to the extent that they might, they lack the proper machinery with the premise that our input must not affect the judicial process. To demonstrate our willingness to eliminate any practices with the apparent violation of regulations, we proposed to abolish our existing initiation process and replace it with a highly challenging emotional and physical experiences from the professionally documented open sources indicating emotional and physical experiences from the professional documentation.

The IFC’s goals of group bonding and emotional intensity are indefensible within this broad penumbra of hazing. This process seeks to enhance the value of hazing at the expense of life and death decisions. As an alumni volunteer, I am concerned about the life and death decisions that are made by the young adults at the expense of life and death decisions. They are applied with a vengeance to our students. It is applied with a vengeance to our students.

For Independent Living Groups:

In light of the above, any long term projects such as fund raising to build or renew your structure such as we are conducting can be considered indefensible within a day-by-day IFC judicial system. Better is not out to get any of our peers, or to get involved in more serious actions. How is it that the IFC’s judicial system and policy toward hazing do not reflect the reality of the situation?

Alumni should have a right to contribute to the debate. As an alumni volunteer, I am concerned about the life and death decisions that are made by the young adults at the expense of life and death decisions. They are applied with a vengeance to our students. It is applied with a vengeance to our students.

ThePhi Beta Epsilon Corporation is a non-profit, legal and financial framework for an exceptional living and social experience for our undergraduate members while they are at MIT. Over the years we have been successful in this regard. What is more, Phi Beta Epsilon is the only fraternity on the campus that has the power to mandate the culture of fraternity life.

Since the conclusion of the Phi Beta Epsilon (PBE) judicial process, we have heard many complaints from students, alumni, and others about the procedures used by the Interfraternity Council (IFC). It is greatly surprising and disappointing to hear these concerns, given that we are worried by a process that was agreed upon by every member of the other fraternities, IFC, and administration. We recognize that the vast majority of our student body would not want to do anything like that to their brothers.

As alumni of PBE, we urge the IFC to immediately suspend Phi Beta Epsilon until all outstanding legal matters are resolved. The Phi Beta Epsilon Corporation has attempted throughout this process to produce a lengthy and complex defense. However, in an unfortunate situation, a teaching moment for all concerned. We have had little impact. Alumni bodies have no standing within the IFC judicial process, and to the extent that they might, they lack the proper machinery with the premise that our input must not affect the judicial process. To demonstrate our willingness to eliminate any practices with the apparent violation of regulations, we proposed to abolish our existing initiation process and replace it with a highly challenging emotional and physical experiences from the professionally documented open sources indicating emotional and physical experiences from the professional documentation.

The IFC’s goals of group bonding and emotional intensity are indefensible within this broad penumbra of hazing. This process seeks to enhance the value of hazing at the expense of life and death decisions. As an alumni volunteer, I am concerned about the life and death decisions that are made by the young adults at the expense of life and death decisions. They are applied with a vengeance to our students. It is applied with a vengeance to our students.

For Independent Living Groups:

In light of the above, any long term projects such as fund raising to build or renew your structure such as we are conducting can be considered indefensible within a day-by-day IFC judicial system. Better is not out to get any of our peers, or to get involved in more serious actions. How is it that the IFC’s judicial system and policy toward hazing do not reflect the reality of the situation?

Alumni should have a right to contribute to the debate. As an alumni volunteer, I am concerned about the life and death decisions that are made by the young adults at the expense of life and death decisions. They are applied with a vengeance to our students. It is applied with a vengeance to our students.

ThePhi Beta Epsilon Corporation is a non-profit, legal and financial framework for an exceptional living and social experience for our undergraduate members while they are at MIT. Over the years we have been successful in this regard. What is more, Phi Beta Epsilon is the only fraternity on the campus that has the power to mandate the culture of fraternity life.

Since the conclusion of the Phi Beta Epsilon (PBE) judicial process, we have heard many complaints from students, alumni, and others about the procedures used by the Interfraternity Council (IFC). It is greatly surprising and disappointing to hear these concerns, given that we are worried by a process that was agreed upon by every member of the other fraternities, IFC, and administration. We recognize that the vast majority of our student body would not want to do anything like that to their brothers.

As alumni of PBE, we urge the IFC to immediately suspend Phi Beta Epsilon until all outstanding legal matters are resolved. The Phi Beta Epsilon Corporation has attempted throughout this process to produce a lengthy and complex defense. However, in an unfortunate situation, a teaching moment for all concerned. We have had little impact. Alumni bodies have no standing within the IFC judicial process, and to the extent that they might, they lack the proper machinery with the premise that our input must not affect the judicial process. To demonstrate our willingness to eliminate any practices with the apparent violation of regulations, we proposed to abolish our existing initiation process and replace it with a highly challenging emotional and physical experiences from the professionally documented open sources indicating emotional and physical experiences from the professional documentation.

The IFC’s goals of group bonding and emotional intensity are indefensible within this broad penumbra of hazing. This process seeks to enhance the value of hazing at the expense of life and death decisions. As an alumni volunteer, I am concerned about the life and death decisions that are made by the young adults at the expense of life and death decisions. They are applied with a vengeance to our students. It is applied with a vengeance to our students.

For Independent Living Groups:

In light of the above, any long term projects such as fund raising to build or renew your structure such as we are conducting can be considered indefensible within a day-by-day IFC judicial system. Better is not out to get any of our peers, or to get involved in more serious actions. How is it that the IFC’s judicial system and policy toward hazing do not reflect the reality of the situation?

Alumni should have a right to contribute to the debate. As an alumni volunteer, I am concerned about the life and death decisions that are made by the young adults at the expense of life and death decisions. They are applied with a vengeance to our students. It is applied with a vengeance to our students.
Chic clothes, saving your conscience?

During Boston Fashion Week, a show featuring socially-conscious clothing begs the question: Does it make a difference?

By Maggie Liu

Socially conscious fashion. A conundrum in itself. For an industry that is based mostly around aesthetics and has been historically nonchalant about animals — much less the healthcare of employees — the growing attention to sustainable design and fair trade is curious. We hear about it occasionally — Natalie Portman’s line of shoes for Te Casan composed of all man-made materials, Bono and his wife’s fashion brand ROGAN — but for the most part, sustainable fashion has not hit the pavement.

Last night I attended Sustainable Style, a fashion show at the Charlesmark Hotel hosted by Stilista, a personal shopping agency, with apparel and accessories from Nomad, a boutique based in Cambridge. The show was tightly packed with bass beats booming in the background and well-heeled patrons conversing over drinks with names like Crouching Ginger Hidden Apple Martini.

The show itself featured an autumn palette of muted blues, deep navies. Highlights included knit scarves paired with tough motorcycle boots, draped cardigans with an ethnic print bag slung over a shoulder, and of course the ubiquitous structured blazer contrasting with muted ruffles. It was a fitting vibe for the urban girl: feminine yet edgy, romantic yet practical, and at the same time, all clothing displayed was socially conscious and vertically integrated.

Socially conscious items usually are comparable in price to non-organic products, but what can we do as consumers, especially college students on a budget, regarding eco-friendly fashion? Truthfully, not a whole lot. We can use our recyclable totes when going to Shaw’s, buy American Apparel’s “organic t-shirts,” drink our fair-trade coffee. At the end of the day, we can only make the effort to spread awareness about why socially conscious fashion is important, transcending a fad into a principle. Perhaps five-ten years down the road, shoppers will ask “Was this the work of underpaid child labour in Cambodia?” and think twice about where it came from. Visit whatadifference.samhsa.gov for more information.

Maggie Liu — The Tech
Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun

Steal My Comic by Michael Ciuffo

Somewhere on the search for meaning... by Letitia Li

Help Desk by Michael Benitez

Crossword Puzzle

Solution, page 10

ACROSS
1 Backyard pie ingredient
4 Watchband
9 Slip of the mind
14 Individual
15 At large
16 UFO rider
17 Biblical injunctions
20 Kick out
21 Drink to
22 Grazing grounds
23 Plays a banjo
25 Tentative taste
26 Tentative taste
29 NBC classic
30 Series shutout
31 Dry by rubbing
32 Oyster’s gem
33 Online bookseller
35 Did some questionable
36 Specimens
37 Plane front
38 IBM units
39 Hot, spicy drink
40 Dollar, slangily
41 Cancun cash
42 Rwy. stop
43 __ del Fuego
44 From the mountains of Peru
45 Shepard or Houston
46 Go downhill
48 Bridle strap
49 Student of Socrates
51 Jinxed
52 Charlemagne’s domain
53 In the open
55 Utah home of BYU
59 Mexican Mine
60 Private Eye’s projects
61 Becomes weary
62 Middle of 17A, 35A and 52A
63 Refusal to admit
64 Niche
65 Hanks or Cruise
66 CD–________
67 Simile middle
68 Kept inside
69 Actor Lorenzo
70 Pub potations
71 Ramada chain
72 Lopsided
73 Puritanical
74 After-market item
75 Rx items
76 Colorado tributary
77 Specimens
78 Plane front
79 IBM units
80 On time
81 Gender bias
82 Greek harp
83 Med. care gps.
84 “...__ gloom of night...”
85 First lady of Eden

DOWN
1 Panama chain
2 Lopsided
3 Refusal to admit
4 Niche
5 Hanks or Cruse
6 CD–________
7 Smiley middle
8 Kept inside
9 Actor Lorenzo
10 Pub potations
11 Runtish
12 Clique
13 Punner’s duo?
18 IV quantities
19 Comic Delusie
21 Drink to
22 Grazing grounds
23 Plays a banjo
24 Period of time
25 Demonstrates connections
27 Portable media player
28 Farmyard enclosure
30 Very dry
31 On one’s guard
32 Puritanical
33 After-market item
34 Rx items
35 Colorado tributary
36 Specimens
37 Plane front
38 IBM units
39 On time
40 Gender bias
41 __ del Fuego
42 Period of time
43 Demonstrates connections
44 From the mountains of Peru
45 Shepard or Houston
46 Go downhill
48 Bridle strap
49 Student of Socrates
51 Jinxed
52 Charlemagne’s domain
53 In the open
55 Utah home of BYU
59 Mexican Mine
60 Private Eye’s projects
61 Becomes weary
62 Middle of 17A, 35A and 52A
63 Refusal to admit
64 Niche
65 Hanks or Cruise
66 CD–________
67 Simile middle
68 Kept inside
69 Actor Lorenzo
70 Pub potations
71 Ramada chain
72 Lopsided
73 Puritanical
74 After-market item
75 Rx items
76 Colorado tributary
77 Specimens
78 Plane front
79 IBM units
80 On time
81 Gender bias
82 Greek harp
83 Med. care gps.
84 “...__ gloom of night...”
85 First lady of Eden

46 Bumps on a hog?
47 Of the ear: pref.
48 GOP member
50 Greek harp
51 Med. care gps.
52 Ad __ committee
53 Eggs
54 Onassis, to pals
55 “...__ gloom of night...”

52 Ad __ committee
53 Eggs
54 Onassis, to pals
55 “...__ gloom of night...”
Easy Sudoku Solution, page 10

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>9</th>
<th>4</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>7</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>8</td>
<td>3</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>7</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>2</td>
<td>9</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hard Sudoku Solution, page 10

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>6</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>6</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>5</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>2</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

by Jerry Holkins
and Mike Krahulik

Finalists presentations and Awards Ceremony
Tuesday, October 5 2010, 7PM
MIT Room 4-237
http://dmse.mit.edu/madmec
At Ig Nobels, bacteria opera ends in mouthwash

Ig Nobels, from Page 1

The Ig Nobel awards are put on by the Annals of Improbable Research to honor those people who have invented or researched things that not only make people laugh, but make them think. Each winner's speech lasts about a minute.

The celebration is deserved. After all, where would the world be without laureate Dr. Elena Bodnar and her emergency bra (29$99, ebabra.com), which can be converted into two protective face masks? This year’s theme was bacteria. Each attendee brought millions of guests to the ceremony. They were everywhere, and when The Big Question was asked to three of the distinguished scientists there, only one could answer the question, “How many bacteria can dance on the head of a pin?”

Toshiyuki Nagasaki brought a replica of a human head and said that it could dance on it. Another guest saw his hourglass (in the form of a water bottle slowly being emptied) promptly spill over when he tried to use his 30 seconds to explain his response using string theory.

So of course, these bacteria had to be respected, with the entire audience participating in a bacterial exchange (a handshaking inconsiderate to the lives of the bacteria and mouthwashings them to their demise.

After the opera segments, there were “moments of science.” One demonstration showed off some bilious gas that flowed to noses and ahs from the audience. The audience was just as amused when scientists tried to show them E. Coli under a microscope — but couldn’t find any.

Slime molds can find anything though. The award for Transportation Planning was given to a group of Japanese scientists who were able to get slime molds to determine optimal routes for railroad tracks. Asked to describe their results in seven words, they said, “the blobs that shouldn’t be looked down upon.”

The prize in management was awarded to a project that proved that business work better if people are promoted randomly (so as to spread out the incompetence). And, in 140 characters, one of the Nobel Laureates gave a speech on the importance of the plastic pink flamingo.

If you sort of squinted, some of the research was actually kind of useful. The prize in chemistry was given to a team (one of which was RP, represented by a guy, Steve, in a costume), for proving that oil and water mix; the prize in physics was given to three New Zealand women who proved that wearing socks on the outside of snow boots helps you traverse slippery surfaces.

What did all these award winners receive as their prize? A nice plaque with a bacteria-covered petri dish, a bacteria-covered slip of paper, and 10 million (Zimbabwe) dollars.

The many nuances and fiddles that make up the Ig Nobel awards give it a unique character that in-famously stereoritpe it as the most unorthodox science ceremony around. For good reason too. And so we say “goodbye, goodbye” and shed a tear to another year’s presentations gone by.

A radio broadcast of the awards will be on NPR’s Talk of the Nation on the Friday following Thanks-giving.

William Lipscomb was the prize in the Win-a-Date with a Nobel Laureate contest. Lipscomb won the Nobel Prize in 1976 for “chemical attraction.”

Campaign raised $500M for students

Hockfield, from Page 1

The $500 million fund is divided into $200 million for undergraduate scholarships, $100 million for graduate fellowships and $100 million for student life (housing, athletics, etc.)

“This are many elements of the campaign that have been fabulously successful, and we are already benefitting from them,” said Hockfield.

The establishment of Fairchild Marsch Hall in place of Ashdown House, which will house 450 students, was part of the campaign. It will allow the undergraduate body to increase by 250 over the course of three years, and will generate more space in the other undergraduate dorms.

When asked whether there will be more layoffs this year with respect to the current budget, Reif responded that the budgets for 2010 and 2011 fiscal years had included layoffs to achieve the plan for a $120 million expense reduction. Beyond those that have already taken place, he said, it’s “very hard to predict,” as the University lacks every-thing related to endowment changes, such as where grants expire and are not renewed. In response to a question about whether MIT will continue to be at the mercy of economic gyrations, Reif said that the administration is trying to figure out a more robust and resilient budget process that will depend less on fluctuations in the endowment value. Stone added that we should also keep efficiency and intelligent spending in mind when budgeting in the future. As President Hoodfield reminded ev-eryone in the beginning of the fo-rum, “We have a remarkable future yet to invent.”

The Master of Public Administration in Environmental Science and Policy is a twelve-month program that combines Columbia University’s hands-on approach to teaching public policy and administration with pioneering thinking about the environ-ment in order to educate today’s environmental leaders for a sustainable tomorrow.

Information Session at Columbia
Thursday, October 7, 2010, 6:00–8:00 p.m.
1501 International Affairs Building, Columbia University
RSVP: Mariel Kessel, msk2156@columbia.edu

For information about SIPA programs, visit sipa.columbia.edu

Learn your MPA in
Environmental Science and Policy

The Tech 9

We are having information sessions on Thursday, Sept 10th and Monday, October 4th in room 1-246 at 7PM.

If you have any questions, feel free to e-mail alpinecaptains@mit.edu.

Come meet the team and learn more about competitive alpine skiing at MIT!
The Ig Informal Lectures  
Saturday, October 2nd, 1:00 pm  
MIT 10-250, 222 Memorial Drive  

Once again, The MIT Press Bookstore is proud to partner with some improbable friends to bring you a half-afternoon of improbably funny, informative, high-spirited public lectures, in which the 2010 Ig Nobel Prize winners will attempt to explain what they did, and why they did it. Please join us!

For more information on the 2010 Ig Nobel Prize Ceremony and the Ig Informal Lectures (including last year’s winners), please visit: http://www.improbable.com/

All Ig Nobel Prize activities are organized by the Annals of Improbable Research. This free event is organized in cooperation with the MIT Press Bookstore.

The old HASS system  
MIT’s commitment to producing well-rounded graduates means that, in addition to a rigorous scientific curriculum, students are expected to complete a number of classes in the wide range of topics collectively referred to as HASS: Humanities, Arts, and Social Sciences. Until now, the requirement consisted of three components: three distributive classes, three-to-four classes toward a concentration, and one or two electives.

The distributive component required students to enter a lottery for a selection of classes known as HASS-Ds. There are five areas, commonly designated “d”. (The official titles are Literary and Textual Studies, Language, Thought, and Value; Visual and Performing Arts; Cultural and Social Studies; Historical Studies.) Every undergraduate was expected to complete one HASS-D in each of these three unique areas.

The second component, a concentration, was created not to give a taste of many fields, but to allow students a more in-depth exploration of one (or perhaps two, but not three without being demanding as a minor). HASS concentrations require three or four classes that function together to form a coherent path of study.

The HASS Elective requirement simply means that students must take a total of eight HASS classes, including distribution and concentration. The idea is that this comes out to one HASS class per semester, although some students take more than one HASS in some semesters and none in others.

—Anne Cai and Niki Castle

MIT resources after business hours  

MIT resources during business hours  

Student Support Services  
Walk-in: 9–10 a.m., Monday–Friday  
Appointments: (617) 253-4861

MIT Mental Health  
Walk-in: 2–4 p.m., Monday–Friday  
Appointments: (617) 253-2916

Residential Life Staff  
Housemasters, Residential Life Associates, GRTs, and RAs

MIT resources after business hours  

MIT Distributive Call through  
Campus police: (617) 253-1212

MIT Mental Health Service  
Call through Urgent Care: (617) 253-1311

Campus Police: 100 from any MIT phone or 617-253-1212

External resources  
Boston Area Rape Crisis Center: (800) 841-8371  
National Suicide Prevention Line: (800) 273-8255

Source: IMagazine
PBE and IFC differ on several points in hazing expulsion case

By Derek Chang

Budget cuts have decreased residual life funds across the dorms, shrinking the money available to housemasters and GRTs. In McCormick Hall, for example, the housemasters’ budget decreased by 10 percent for both this year and for the previous year, according to housemaster Charles H. Stewart III. McCormick’s housemasters have tried to allocate their funds to their own money in order to keep the GRTs’ individual budgets at the same level it was at in the previous year. McCormick’s tighter budget was one of the reasons the process of roving during the 2009-2010 school year was “interrupted” because “it would have been taken away in the past, the housemasters are now able to cover it from a budget that existed from the previous year over to the new social year.”

At Next House, similar sacrifices have occurred to offset the blow of the cuts in GRT money. “The GRTs in Next have not been largely affected by cuts, because the housemasters have helped maintain our individual budgets by using money from their own budgets,” says Nicole De Nico, who serves as GRT for 4W in Next. The budget given to each GRT remains the same, and each student still receives the same funding.

Unlike in McCormick, where housemasters had the luxury of rollovers, Next House GRTs no longer have rollovers. In the past, Next GRTs were permitted to keep the unspent money in their budget, but any unspent money from this semester will be taken away as a result. As a consequence, the quality of studies and events has stayed at a similar level, though the end of rollovers does encourage GRTs like De Nico to be more resourceful with their funds.

Graduate Residence Tutors in some other dorms actually saw their budgets decrease this year. In dormitories such as Baker House, less money is allocated to each student, so GRTs must use money carefully. In Baker, decreases in the available budget have been occurring since the previous year. In Baker, decreases in the available budget have been occurring since the previous year. There used to be two sushi breaks per term at Baker, but now only one could be planned. However, Renee C. Smith, a Baker GRT on the first floor, explains, “Baker is fortunate because the Student Executive Committee in our dorm helps supplement the budget from excess given to GRTs. Therefore, budget decreases have not been too big of a problem. I’m actually happy we still have a budget to work with.”

Smith generally holds studies breaks every day during the period before finals, but she had to get rid of Thursday study breaks for that period because money was lacking. No-a-fills attitude had to be applied to breaks, as previous study breaks, which included elaborate plans and activities, needed to be simplified. Smith added that there used to be two sushi breaks per term, but now only one could be planned. Still, she concluded, “the students seemed alright with the changes, as they re- alized that we had to be more frugal with our budget while our economy is struggling.”

The Graduate Resident Tutors in each dorm serve as live-in mentors for the MIT undergraduate community. Budget cuts in residential life services have meant financial strains for the GRTs, who each receive a budget that is allocated proportionally to the number of individual GRT’s living area. As early as the previous school year, both housemasters and GRTs alike have had to adapt to stricter financial conditions. Budget decreases have affected all dorms. The Institute has spent the last two years addressing the effects of the global financial crisis on MIT’s endowment and the General Institute Budget. Approximately $13B million have been trimmed from the General Institute Budget. The change, which required cuts in all categories, was driven by MIT, including in the Division of Student Life. The cut in the housemasters’ budgets was a reflection of the chang- es, which could affect the GRTs’ bud- get as well. The office of the Dean of Student Life was responsible for all- locating money to the housemasters, who in turn determined the budgets of GRTs in individual dorms.

The budget constraints are a clear result that the American econ- omy is still in a slump. GRTs and dorm taxers alike will have to be more calculating in order to maintain the services offered.

But Stewart, the McCormick housemasters, is still positive about the situation. “The poor economy in the last couple years has required drastic alternatives to the way fi- nances are run, but the situation should improve with the upcoming year,” he said.

What are YOU doing during IAP? Work with MIT alumni through the Externship Program!

Opportunities available NOW!
http://alum.mit.edu/students/externships
DEADLINE: Wednesday, October 13, 9 a.m.

A program of the MIT Alumni Association
SPERM DONORS

MIT students, family, employers and friends of the MIT community are encouraged to participate. Donors are paid $200 per month.

SPERM DONORS

Legal Counsel

LEgal COnsULT

MIT student, family, employers and start-ups seeking U.S. legal counsel, campus or office consultation. Call:

James Dennis Leary, Esq.

321-544-0012

EARN UP TO $200 per month.

SPERM BANK

www.spermbank.com

Invest minimal time

SARANG KUL KARNI

W20-483, 617-253-1541

join@tt.mit.edu

SOLVE THE PUZZLE. WIN A PRIZE (AND MIGHTY ADD). Take a shot at: http://inapm.mit.poroles

SPECIAL MATH

First find the question, then find the answer.

45-135 = 13x+1+1 = 4x = 5-2+2 = 1+1

3-2+2 = 1+2+2

12-16 = 4+3 = 1+3+5 = 42+38

100-150 = 0+13+23+2x = 5+5x-8+8 = 3+1 = 81+3+4+14 = 1+5

sole the puzzle, win a prize (and might be a job!). take a shot at: http://inapm.mit.poroles

PRIZES

5-spots

SPERM DONORS

Don’t lie the name confuse you — very little of what are do here at APT is simple math. Dig deeper in the numbers to figure out the answer!