Dome Cocoon Comes Down in Dec.

By Maggie Lloyd

Staff Reporter

Construction to make the Building 10 weatherproof continues through December, while the new Media Lab Extension prepares for new occupants in October, according to the 8th floor of building 10, which houses the Barker library stacks, said Senior Project Manager Joseph Collard.

This project is independent of the recently-completed refurbishment of Barker’s reading room, which added new furnishings, lighting, and carpeting to the popular study area.

Project: Building 10 Dome Renovation

Why: Water leakage

Schedule: Scaffolding down by Dec 7, 2009

General Contractor: Walsh Brothers

Small Fire in 36

A large printer/cutter on the second floor of Building 36 began smoldering at 8:07 p.m. last Thursday night, according to MIT spokes-

woman Jennifer F. Hirsch. The Cambridge Fire Department responded. No one was hurt in the incident, the incident. Hirsch described the incident as very small, but said that MIT and Cambridge Fire take such things seriously.

—Emily Prentice

In Short

Lavender’s Market returns to 24x7 service starting Reg Day, Sept. 8. This time, the sub counter is included.

P.E. Registration starts Thurs-
day at 10:00 a.m. No longer a holi-
day, it is first-come-first-served, so program your web scripts accord-
ingly. Pistols fill up first.

Russo’s Produce Stand is in McDougall Court today, 12 noon to 6 p.m.

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

The Weather

Sunday: Sunny, 55°F (13°C) 
Monday: Clear, 55°F (13°C)

Daily Confusion . . . . . . . . . . . . 11

Globe: opinion, 24x7 services. No more

Sports . . . . . . . . . . . . . . . . . . . . 12
Disney Will Buy Marvel for $4B
By Brooks Barnes and Michael Ciepiela
WORLD & NATION

Sunny and slightly warmer with a high in the upper 70s°F (25°C).

The Walt Disney Co.’s surprise deal to acquire Marvel Entertainment for $4 billion redraws the architecture of Hollywood and spotlights how the media giant became more aggressive than its peers about growth.

Disney was on Monday that it would pay cash and stock to acquire Marvel, the comic book publisher and movie studio whose library of 5,000 characters includes some of the world’s best-known superheroes: Spider-Man, X-Men, Thor, Iron Man and the Fantastic Four. The deal was valued at about $30 a share, a 29 percent premium.

“Marvel’s brand and its treasure trove of content will soon beneﬁt from our extraordiordinary reach,” Robert A. Iger, Disney’s chief executive, said in an interview. “We paid a price that reﬂects the value they’ve created and the value we can create as one company. It’s a full price, but a fair price.”

Montana Court to Weigh Claim of Right to Doctor’s Aid in Dying
By Kirk Johnson
STAFF WRITER

Last year, even as lymphoma leukemia was killing him, Robert Baxter, a 79-year-old retired truck driver from Billings, Mont., fought on. But by then he was struggling not for life, but for the right to die with help from his doctors.

“He yawned for death,” said his daughter, Roberta King, in a court affidavit describing her father’s ﬁnal agonized months of life. But while we wait to see how conditions in the Pacific are evolving, the El Niño Projected to Strengthen
By Peter Baker and Dexter Filkins
THE NEW YORK TIMES

A new report by the top commander in Afghanistan detailing the deteriorating situation there conﬁdents President Rouhollah Khamenei with the politically perilous decision of whether to deepen U.S. involvement in the eight-year-old war amid shrinking public support at home.

The classiﬁed assessment submitted Monday by Gen. Stanley A. McChrystal, who took over U.S. and NATO forces in Afghanistan in June, did not request additional American troops. U.S. ofﬁcials said, but they added that it effectively lay the groundwork for such a request in coming weeks.

While details of the report remained secret, the revised strategy articulated by McChrystal in recent public comments would invert the United States more extensively in Afghanistan than it has been since U.S. forces helped topple the Taliban government following the attacks of Sept. 11, 2001. Taking a page from the 2007 strategy shift in Iraq, he has emphasized protecting civilians over just engaging insurgents.

For Obama, who already ordered an additional 21,000 troops to Afghanistan this year, the prospect of a still larger deployment would put his commitment to a war he did not launch even as it grows more violent by the month. He already faces growing discontent among his lib- eral base, not only over the war but also over national security policy, economic, care, gay rights and other is- sues.

An expanded American footprint would also increase Obama’s en- gagement with an Afghan govern- ment widely viewed as corrupt and illegitimate.

Multiplying allegations of fraud in the Aug. 20 presidential election have left Washington with little hope for a credible partner in the war once the results are ﬁnal. The latest tally, with nearly half of polling stations counted, showed Presi- dent Hamid Karzai leading with 45.9 percent against 33.3 percent for his main opponent, Abdullah Abdullah, Reuters reported.

But the White House left open the possibility that Obama would send more troops. “There’s broad agreement that for many years, our effort in Afghanistan has been un- der-resourced politically, militarily and economically,” Robert Gibbs, the White House press secretary, said Monday. He went on to use the word “under-resourced” six more times during his daily briefing.

The report comes after a sharp escalation of violence in Afghan- stan, where more U.S. troops died in August than in any month since the beginning of the war. The military announced Monday that two U.S. soldiers died in separate attacks in- volving homemade bombs, bringing the total killed last month to 49, ac- cording to the Web site warcasualties.org. The number of such attacks has nearly quadrupled since 2007, ac- cording to the Center for Strategic and International Studies.

The situation in Afghanistan is serious, but success is achievable and demands a revised implementa- tion strategy, commitment and re- solve, and increased unity of effort,” McChrystal said in a statement after sending his report to Gen. David H. Petraeus, the commander of all Middle East forces.

Obama to Weigh Buildup Option in Afghan War

Unusual Wildfire Threatens Hundreds of Homes in Calif.
By Randal C. Archibald
THE NEW YORK TIMES

A deadly wildfire that has burned for nearly a week in the foothills north of here threatened hundreds of homes on Monday and frustrated ﬁrefighters with its unusually rapid spread and keep flames from encroaching on large neighborhoods and communities abutting the wil- derness.

Crews were digging trenches and clearing brush on Monday as the northern reaches of the ﬁre marched toward Acton, a community of 3,000 people about 40 miles north of downtown Los Angeles. New evacu- ations were ordered in the eastern San Fernando Valley area of Los Angeles.

The ﬁre, whose cause is unknown, has consumed more than 100,000 acres, or more than 150 square miles, about the size of the Bronx and Queens combined.

It has destroyed more than 20 homes, mostly remote areas, and ofﬁcials expected that tally to in- crease as 2,000 ﬁrefighters and con- tact personnel struggled to track its erratic spread and keep ﬂames from encroaching on large neighborhoods

After the Transistor, A Leap into the Microcosm
By John Markoff
THE NEW YORK TIMES

Now, in death, Baxter is at the center of a right-to-die debate that could make Montana the ﬁrst state in the country to declare that med- ical aid in dying is a protected right under a state constitution.

The state’s highest court on Wednesday will take up Baxter’s claim that a doctor’s refusal to help him die violated his rights under Montana’s law—arguing on both sides the chances are good that his case will prevail.

Some 4,000 homes were ordered evacua- ted, but the authorities estimated only half of them were evacuated, but law enforcement agencies said they anticipated the ﬁre was 70% contained.

Unusual Wildfire Threatens Hundreds of Homes in Calif.

Situation for Noon Eastern Daytime Tuesday, September 1, 2009

Extended Forecast

Today: Sunny with a high of 74°F (23°C).

Tonight: Clear skies with a low around 55°F (13°C).

Tomorrow: Sunny, high near 76°F (24°C).

Thursday: Sunny and slightly warmer with a high in the upper 70s°F (25°C) and low in the lower 60s°F (17°C).

Friday: Partly sunny, high in the upper 70s°F (25°C).
Not Enough Cyborg Bananas in Your Life?

**Science Fiction Library**

**How Extensive Is the Library?**

The MIT/SFS Library contains over 60,000 volumes, including more than 90% of all science fiction published in English.

**Where Is the Library?**

From the Student Center lobby, take the elevator to the 4th floor. Pick a hallway and follow it—one loop leads to the Library, the other to the Bibliowarfare Laboratory, a subset of the Library which has a map to point you in the right direction.

**Okay, Give Me Specifics.**

Anybody can visit the library to look at books, talk, ask for book recommendations or to just sit down with a good novel and read for a while. Members can also take circulating books home—up to eight of them, for up to three weeks.

The cost of an annual Membership is less than the cost of two paperbacks.
Joe Mauer

Life, liberty, and the pursuit of happiness are the inalienable, fundamental, and indefeasible rights defined by the United States Declaration of Independence and safeguarded by the government. Take a minute to note that healthcare, emergency room treatment, and prescription medicines are notably absent from that list. So are a few other essentials for life: food and shelter.

Of course, even if the government doesn’t provide your meal and your shelter, they provide many far less vital services — education and public parks, to name a few.

The question that lies at the heart of the healthcare debate, whether or not most people deserve to be aware of it, is whether healthcare falls under the category of inalienable rights, the second category of essential needs that aren’t provided for (food and shelter), or the third group of provided nonserviceal services (education and parks). Debating the specifics of President Obama’s proposed healthcare reform is futile if this first, intrinsic question remains unanswered. But answering it requires knowing the reasoning behind the government doing or not doing, out its money, so let’s begin.

The first group, inalienable rights, comprise the core tenets that make organized medicine impossible for all. They define the boundaries that individuals act within before they encroach on the inalienable rights of their fellow men. At some point in our lives, most of us are citizens, are free, and at all times in and across limitations, to reach the limits of those boundaries. Those who act beyond the accepted, also that no one encroaches upon the rights of another.

Those rights include life, that existence on this Earth is mine, and that no one may take it from me. Liberty, that I may live my life unbridled, so long as I do not encroach on the inalienable rights of their fellow men. At some point in our lives, most of us are citizens, are free, and at all times in and across limitations, to reach the limits of those boundaries. Those who act beyond the accepted, also that no one encroaches upon the rights of another.

Some claim that such a market based pricing doesn’t work. The same is true for healthcare. Not everyone can afford something that you are discriminated against or that such a service is unfair or unethical. The government does not provide for the poor. Food, shelter, and healthcare must be withheld, or when the fire department responds to keep my house from burning down my neighbors, or when the fire department responds to keep my house from burning down my neighbors.

The Earth is mine, and that no one may take it from me. Liberty, that I may live my life unbridled, so long as I do not encroach on the inalienable rights of their fellow men. At some point in our lives, most of us are citizens, are free, and at all times in and across limitations, to reach the limits of those boundaries. Those who act beyond the accepted, also that no one encroaches upon the rights of another. Consider next the third group of nonessential government provided services. Education, fire departments, and public parks are all fund

Food and shelter are necessary for human survival, but, like healthcare, they benefit only a single individual as opposed to society as a whole.

To Reach Us
The Tech’s telephone number is (617) 253-1451. E-mail is the easiest way to reach us. Letters to the editor should be one page or less. All correspondence should be sent to letters@the-tech.mit.edu. Letters to the editor and columns must be typed. The Tech reserves the right to edit or condense letters, shorter letters will be given higher priority. Once submitted, all letters become property of The Tech, and will not be returned. Letters, columns, and cartoons may be posted on The Tech’s Web site or in any other format or medium now known or that later becomes known. The Tech makes no commitment to publish all the letters received. Guest columns are open to members of the MIT or local community and have the author’s name in italics. Columns without italics are written by Tech staff.

For Healthcare, Right Is Wrong

Steal My Comic

by Michael Ciuffo

Colleague Tip
#197
Your popularity is directly proportional to the size of your laptop's speakers.
Shop accordingly.

Archives of past Steal My Comics — in color! http://stealmycomic.com/

Sudoku

1 9 8
9 4 1

9 4 7 2
4 8 6 1

7 3 1 9
8 4 2 6

6 1 3

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.

Crossword Puzzle

ACROSS
1 Joplin piano piece 41 Apple beverage
2 Witch trials town 42 __ room: play area
3 like a disreputable hotel 45 Lamb's mom
14 www address 46 Like the person in a diet ad “after” picture
15 Pic 48 Equipment
16 Knight’s protection 49 “Grrr!” is one
17 Magician’s deception 51 It’s enough for Luigi
20 Kept in reserve 52 Magician’s deception
21 Dewy 57 Finish second, in a race
22 Eve’s first home 59 Payable
23 Really smart people 60 Natives of Ankara
26 Cubes in a freezer 61 Like oboe music
29 Old salt 62 Little green men, briefly
30 Investigation 63 “Moonstruck” Oscar winner
31 Read, as a bar code
32 Southern breakfast side
33 Concurrence
34 “Lethal Weapon” films
35 Magician’s deception
36 Texas symbol
37 Ye ___ Tea Shoppe
38 With 28-Down, novel conclusion
39 Take in or let out
40 Improve, as skills
41 Apple beverage
42 __ room: play area
43 “I have the answer!”
44 Building site giants
45 Lamb’s mom
46 Like the person in a diet ad “after” picture
47 The Gay Nineties, e.g.
48 “Fill ‘er up” filler
49 “Grrr!” is one
50 Just in the ___ of time
51 Occupied
52 Select, with “for”
53 Like “mice” and “men”, Abbr.
54 Land in the Seine
55 Fb
56 Young guy

DOWN
1 Mary an Idaho potato
2 Spanish fleet
3 Danny of “Lethal Weapon” films
4 Floored it
5 “I have the answer!”
6 Chaney of film
7 Takeoff approx.
8 Christina Crawford’s “___ Dearest”
9 Wrapped garments seen in Agra culture
10 Says “2 x 2 = 5,” say
11 :-), e.g.
12 Palme ___: Cannes film prize
13 12-mo. periods
14 Barbie’s boyfriend
15 Inventor Howe
16 Chaney of film
17 Magician’s deception
18 Joplin piano piece
19 Cyclotron bit
20 Kept in reserve
21 Dewy
22 Eve’s first home
23 Really smart people
24 __ IRA
25 Choose not to vote
26 Cubes in a freezer
27 “Pick a __, any ___”
28 See 38-Down
29 Old salt
30 Investigation
31 Surgery reminder
32 Wilder or Hackman
33 Subsequent to
34 “Moonstruck” Oscar winner
35 Magic act, for one
36 Texas symbol
37 Ye ___ Tea Shoppe
38 With 28-Down, novel conclusion
39 Take in or let out
40 Improve, as skills
41 Apple beverage
42 __ room: play area
43 “I have the answer!”
44 Building site giants
45 Lamb’s mom
46 Like the person in a diet ad “after” picture
47 The Gay Nineties, e.g.
48 “Fill ‘er up” filler
49 “Grrr!” is one
50 Just in the ___ of time
51 Occupied
52 Select, with “for”
53 Like “mice” and “men”, Abbr.
54 Land in the Seine
55 Fb
56 Young guy

2. BC hosted Jell-O wrestling on Sunday. Opponents attempted to pin each other in a pool filled with green gelatin.

3. (clockwise from top-right) Amy Qian ’11, Jack L. Jordan-Wilmet ’12, Dan L. Wein ’11, Itaru L. Hiromi ’11, Arka P. Dhar ’10 (Tech photographer) carry mattresses to the end of the EC roller coaster during testing on Aug. 30.

4. Late Saturday night, Peter P. Theo ’11 tests some holds after he finished mounting them for East Campus’s 3D twister game.

5. Students party behind the EC dance tent during the East Side Party on Aug. 30.

6. Chao He ’12, dressed as Willy Wonka, announces the victory of the orientation leaders in a game during the Kickoff! orientation event on Sunday in Kresge.


8. Kendra L. Pugh gets a grade as East Campus “bunting man” LED “throwies” used as a decoration during REX on Aug. 30.

9. Freshmen play a game involved stuffing a bag with clothes and a person, then rolling the combination to the finish line during the Kickoff! event.

10. Jeffrey H. Huang ’12 carries a rubber duck from Simmons to main campus during a game of “capture the duck” on Aug. 28. Players tried to find the other team’s giant rubber duck while avoiding foam swords.

11. Freshmen enjoy REX and orientation.

12. Frosh enjoy REX and orientation event on Sunday in Kresge.


14. Elizabeth V. Power ’10 paints letters for a tale about past East Campus rushes onto one of the many signs that EC prepared for Sunday night’s East Side Party.
First, Desk Captain Next, Housemaster: Senior House’s Patel

Patel and Donovan “have a lot of fond memories of Senior House” and want to “celebrate its traditions.” They also want to “help the students with their plans for Senior House.” “Senior House is what the students make of it,” they said.

This week’s column covers electronic communication at MIT — e-mail, mailing lists, and zephyr.

Mailing lists are used for all sorts of things here, and IS&T has placed a large amount of control over mailing lists in the hands of students — we can even create our own mailing lists! Whether you want to get access to loads of free stuff (reuser@mit.edu and freefood@mit.edu), or want to follow the latest on your dorm’s discussion list (ask your neighbor if you don’t know already), you’ll need to deal with mailing lists in some form.

How do I get to my e-mail?

Starting this year, new students are given e-mail accounts on a mailserver running Microsoft Exchange, as opposed to the traditional Cygus/MAPI e-mail servers. This allows for better integration of e-mail and calendaring with Outlook clients, but also means that you access your mail in a slightly different way. For web access, use msw@mit.edu for non-web users, or use either exchange.mit.edu or smtp.exchange.mit.edu as the server (more on that in a later column).

How do I deal with all this spam?

Also this year, MIT is switching its spam-filtering solution from the open-source SpamAssassin to Symantec’s Brightmail Spam Quarantine. Instead of going to your inbox or some other folder, messages flagged as spam are sent to a quarantine server, and a daily spam summary is sent to your inbox. If any legitimate messages are flagged, you can click on a link to “release” them. To check the quarantine area between daily summaries, visit http://mailserver.mit.edu:41443/brightmail or just follow a link from one of the summary e-mails.

How do I manage my mailing lists?

There are two types of mailing lists in use at MIT, so first the step is to determine whether a list is a Moira list or a Mailman list. To test if a list is a Mailman list, try the command:

```
athena@blanche -i listname
```

If there is no mention of Mailman in the output, then the list is a Moira list.

Moira

Moira lists take on the role of traditional listservs, but as Mailman lists as well. In order to give a group of people access to web pages and Athena directories, from Athena, an easy way to access Moira lists is by using the Mailman command, which brings up an interactive menu to navigate through the various options for Moira lists. At an Athena prompt, type:

```
Mailman
```

Mailman is a Mailman list on server PCH.MIT.EDU. If there is no mention of Mailman in the output, then the list is a Moira list.

```
athena@blanche listname
```

If you have a web browser and MIT certificates, another way to manage your lists is by going to webmail.mit.edu.

A more direct (but slightly more arcane) method is to use the blanche command to add yourself to the “cluchd-announce” list, if your username is “poeuer”, type:

```
blanche blanche cluchd-announce -a poeuer
```

To delete yourself from the list, use “-d” instead of “-a”, to view the members of the list (if the list isn’t hidden), just use the blanche cluchd-announce command.

If you want to create your own list, you can do so online using the Mailman web interface. Fill out a form, and the list will be available immediately for use with commands such as blanche. You can also use this website to create Mailman lists (see below).

Our November 22, 2002 column has more detail on manipulating Moira lists.

Mailman

Mailman lists are an alternative to Moira lists. They’re less integrated with Athena, but they have a fancier web interface, including automatic list archives and the ability to hold messages for moderation or restrict sending to list members. To subscribe or unsubscribe from a Mailman list, visit the website http://mailman.mit.edu/mailman/listinfo/listname (replacing listname with the name of the appropriate list of course).

Hey, what’s this window with a message that just popped up?

MIT probably has a zephyr. Zephyr is Ath- ena’s instant messaging system, which displays both official Athena notifications and messages from friends. If you want to know that someone is using the zwrite command followed by their username:

```
athena@zwrite jwoman
```

Type your message, End with control-D or a dot on a line by itself.

Hi, what’s up?

Message queued for jwoman... sent

But I can already do that with AIM, MSN, Gtalk, Facebook... Why should I use zephyr?

There are a couple of reasons. One is that Athena logs you in to Zephyr automatically, so it’s a good way to talk to your friends when they’re on Athena. One of Zephyr’s most compelling features is its multi-user chat support. In addition to sending messages to individuals, you can send messages to a particular “class” and “instance.” In general, a “class” is like a chatroom, and an instance is a particular topic within that chatroom. For example, if you want to subscribe to jwoman’s “personal” class:

```
athena@zctii add jwoman ^c
```

The “c” indicates that you want to subscribe to all instances of class jwoman, and the second “c” indicates this is a group chat. Then, if you wanted to discuss say, orientation with jwoman and other people related to her class, you would use:

```
athena@zwrite c -i jwoman -i orientation
```

Some commonly used public classes include “help” for asking various sorts of questions, “geek”, for tech- nical discussion, and “message”, the default class (if you specify an instance and no class). In some situations, you may want to subscribe just to one instance of a class: for example, if you’re asking a single ques- tion to help class, you can subscribe to that instance alone with, e.g.,

```
zctii sub help zephyr ^v
```

An longer introduction to zephyr, as well as mate- rial for the BarnOwl client (see below), is available at http://sipb-www.scripts.mit.edu/doc/wiki/UsingZephyr.

I don’t like these windowgrams. Aren’t there any other Zephyr clients?

Yes, one popular one, “BarnOwl”, displays all your simultaneous terminal windowgrams. BarnOwl also has support for AIM and Jabber, so you can talk with all your friends from AIM, Google Talk, etc. with the same program you use for Zephyr.

To get started with BarnOwl, type:

```
admobar
```

and then

```
barnowl
```

at an Athena prompt. This will bring up an empty message window with an introductory notice. You’re already logged into Zephyr, to send a message, hit ’s’ to start a zephyr command. If you want to subscribe to classes from within BarnOwl, type:

```
sub class instance
```

For more instructions on navigating the interface, hit , note that you can type a colon (:) to start a command.

To log in to AIM, type:

```
AIM login username
```

to use MIT’s Jabber service, type:

```
jabberlogin username@bit
```

You can then send AIM messages to people with an AIM address (or add friends to your Jabber buddy list (“roster”)), type:

```
jabberadd username service
```

or just follow a link from any other Jabber service.

To ask a question, send an e-mail to sipb@mit.edu

We’ll try to answer you quickly, and we can address your question in our next column. You can also find us by our office in W20-557 or call us at x3-7788 if you need help. Copies of each column and pointers to ad- ditional information are posted on our website: http://www.mit.edu/~asksipb/
Scientists Lucky to Have Spotted Planet

By Kenneth Chang

Were astronomers just lucky when they discovered the planet WASP-18b?

At first impression, the planet, described in the current issue of the journal Nature, fits a familiar profile for planets that have been discovered around other stars: huge (about 10 times the mass of Jupiter), close to the parent star (about 1.9 million miles away, or just one-fifth of the distance between the Sun and Earth) and hot (3,800 degrees Fahrenheit). About one-quarter of the nearly 400 planets discovered so far have been such “hot Jupiters.”

But just as an international team of astronomers looked more closely, they became more surprised that they observed the planet. As the team, noted that with the impending fiery fate of the planet, it seemed improbable that they had found it.

“In the first place, the planet has the same mass as Jupiter and 30 percent of the mass of the Sun,” said David Charbonneau, a professor of astronomy at the University of Maryland, noted that this was roughly the same unlikely probability as drawing two red aces in a row from a full deck of cards.

“One of those 400 objects, it’s unique,” Hamilton said. “It’s the only planet that’s going to be crashing into its star in one million years.”

But luck is not the only possibility. Ignorance could be another. It might be that astronomers do not understand the dynamics of stellar tides. The rate of energy dissipation depends on how well the star’s vibrations—ringing like a bell or thinking like a chunk of wood. (If the star is ringing, less energy is dissipated, and WASP-18b would not be falling as quickly.) This difficulty to-measure quantity, which depends on turbulence inside the star, is not known for individual stars, not even the Sun.

The answer does not have to wait a million years. In fact, astronomers just have to wait 5 to 10 years. WASP-18b already whips around the star every 22 hours, 35 minutes, 41.5 seconds—a year in less than an Earth day. If it is falling inward as fast as predicted, its day will shorten noticeably in the coming years.

Eating Disorder Treatment

Treatment of Adults Suffering from Anorexia and Bulimia Nervosa

Informed clinicians refer their clients to Laurel Hill Inn. LHI provides the most effective treatment and develops the highest startup-to-client ratio in New England. We provide extensive programming in a highly structured and supervised non-institutional therapeutic setting. Evening, day, and residential treatment as well as weekly support groups in West Medford and West Somerville. Call Linda at 781-396-1116 or visit www.laurihillinn.com.
The East Battles the West in the Annual Water War

The East vs. West water war took place Saturday, Aug. 29 on Kresge Oval.

(counter-clockwise from bottom right)

East campus water war combatants parade down Memorial Drive on their way to the battleground.

Katheryn D. French ’11 beats the battle drum as east campus marches into battle.

Generals Daniel J. Sauza ’11 of West Campus (left) and James A. Ostrowski ’10 of East Campus (right) shake hands before the start of the Water War.

West campus’s forces prepare to battle the east campus army.

The east campus army charges at the west campus forces.

East campus wheels out one of their weapons, a giant water-squirt- ing penis.

Photography by Sophie Clayton
**Residence Exploration 2009**

**Tuesday, September 1, 2009**

00:00  00:00—Simmons Hall—Midnight Capture the Flag — Glow sticks included. [turf]

01:00  01:00—Burton Conner—Midnight Capture the Flag — Glow sticks included. [turf]

03:00  03:17—Random Hall—RHOP: Random Hall of Pancakes: I’m a delicious warm pancake smothered in maple syrup. Bite me.

08:00  08:00—Next House—Yes, even more breakfast is on the way! Be sure to get your tummy’s worth on the last day of REX.

08:00—Ashdown House—Breakfast: Come hang out with the Phoenix Group and enjoy some breakfast while you’re at it!

09:00  09:00—Baker House—Breakfast at Baker: Re-energize yourself with a great breakfast at Baker House and prepare yourself for another day of orientation. (Baker House Dining Hall)

10:00  10:00—Next House—Release the kid in you, through flying kites and blowing bubbles of all shapes and sizes. Come relax and have some fun in the sun!

10:00—Das Deutsche Haus—DH Tours and snacks

10:00—Burton Conner—Breakfast — You gotta eat! [lounge]

10:00—Next House—Morning Fiesta (10 AM – 12 PM): New House is a very diverse community, and with that comes the advantage and ability to have fiestas (and siestas) whenever you want to. Join us for this year’s nachos, salsa, and piñatas all around!

10:00—Ashdown House—Dorm Tours: A tour guide will be waiting for you at the Student Center (with a big sign that says NW5) to take you to NW53, the newest dorm.

10:17—Random Hall—Make your own donuts: Who needs Dunkin’ Donuts anyway? Come to Random Hall and make your own custom fried models of our donuts! (No plastic spurtles allowed.)

11:00  11:00—Simmons Hall—Baking and Chick Flicks — Spend some time in Simmons’ country kitchen with Sarah and Christine. Then sit down and enjoy with a guilty movie in the Night Cafe.

11:17—Random Hall—Sock Puppet Literary Classics: What happens when you take sock puppets, literary classics, and a fifteen minute time cap? Hilarity. Come witness your (best?) favorite characters from high school English subjected to our whims.

12:00—Senior Haus—BACON BACON BACON BACON BACON BACON!!

12:00—Senior Haus—Breakfast, College Style (8-9 AM): Come to New House 5 to enjoy our wide selection of cold cereals. Fill up a bowl with your childhood favorite, create a bold new blend of fruity and chocolatey, or just hang out in our lounge and argue over which mascot is the best.

21:00—New House—Breakfast, College Style (8-9 AM): Come to New House 5 to enjoy our wide selection of cold cereals. Fill up a bowl with your childhood favorite, create a bold new blend of fruity and chocolatey, or just hang out in our lounge and argue over which mascot is the best.

21:00—New House—Breakfast, College Style (8-9 AM): Come to New House 5 to enjoy our wide selection of cold cereals. Fill up a bowl with your childhood favorite, create a bold new blend of fruity and chocolatey, or just hang out in our lounge and argue over which mascot is the best.


13:00—Next House—Cards contest (1-2 PM): Put your engineering skills to the test! You have one hour and one deck of cards to out-build your peers. You promise it will be even more fun than a Course 5 prize! Meet in the lounge in New House 5.

14:00—Next House—Build a Playing-Card Launcher (2 PM – 3 PM): Have you ever wanted to be a card-throwing ninja? Do you dream of becoming a top-class engineer? Then come design your own playing-card launcher in the New House 5 lounge! 14:00—Mc Cormick Hall—Tie Dye Fun. Let loose the Hippie within and have some psychedelic fun with tie dye.

18:00  18:30—Dormitory Council—Results of the Adjustment Lottery Available—Check web.mit.edu/housing/lottery to find out your housing assignment. All moves into permanent assignments will take place on Thursday, September 3rd.

**Wednesday, September 2, 2009**

09:00  09:00—Dormitory Council—Residence Hall Assignment Check Out and Check In — If you’re moving out of your dorm you MUST check out of your old room and into your new room. Vans and transportation will be provided to help you move. More information to be available to you via email the night before.

17:00  17:30—Dormitory Council—House Meeting and Dorm Welcome — If you moved dorms in the lottery, it’s time to get settled. Meet your Housemasters, GIFs and fellow residents. Be prepared for an entertaining evening. The MIT experience is largely about who you live with!

**Thursday, September 3, 2009**

09:00  09:00—Dormitory Council—Residence Hall Assignment Check Out and Check In — If you’re moving out of your dorm you MUST check out of your old room and into your new room. Vans and transportation will be provided to help you move. More information to be available to you via email the night before.

17:00  17:30—Dormitory Council—House Meeting and Dorm Welcome — If you moved dorms in the lottery, it’s time to get settled. Meet your Housemasters, GIFs and fellow residents. Be prepared for an entertaining evening. The MIT experience is largely about who you live with!
20.102 Metakaryotic Biology and Macroepidemiology

This course explores the new paradigm of metakaryotic stem cell biology as the driving force underlying age specific clonal diseases, such as cancers, that account for some 75% of deaths in present day America.

Key to this new field was the discovery at MIT of a bizarre amitotic stem cell lineage that arises from embryonic stem cells about the fifth week of human gestation and drives fetal/juvenile organogenesis, carcinogenesis and, apparently, atherogenesis. These metakaryotic cells do not condense DNA in chromosomes before nuclear fission as in mitotic cells but copy their DNA post-fission after amitotic segregation into single stranded DNA genomic copies. These metakaryotic cells are unique in that they lack DNA polymerases and only one DNA polymerase is ever expressed during development, now incorporating the known elements of metakaryotic stem cell biology. U.S. age-specific environments in a "clonal" disease of his or her choice.

All students will explore the roles of inherited and environmental risks in a "clonal" disease of his or her choice. In the 1984 Los Angeles games. Once the race started, Tech immediately charged to a lead of just under a length. MIT maintained this lead throughout the majority of the 2,112 meter race, but Molesey put together a strong move before the one mile mark. At its tightest, Tech's bow was only a few meters ahead of their British opponent. In the end, MIT was able to hang on to this lead and extend it in the final few strokes to win with a final margin of one third of a length. The next day, MIT faced a tough matchup against the Eastern Sprints champion, Brown University. Brown held nothing back during the race and led from wire to wire with the outcome never in doubt; two-and-a-half lengths was the final verdict. In the ensuing days, Brown went on to defeat two top British crews, includ- ing the Under-23 National Team, to win the Ladies' Challenge Plate.

In addition to the first eight, Tech sent two other rowers along on the trip as spares. These spares competed in the "spare pair" race held in Henley before the Royal Regatta. The pair, made up of rising sophomores John C. Busche ’12 in bow and Christopher M. Jones ’12 in stroke, easily dispatched the pairs from Princeton University’s lightweight team, Bates College, and Gonzaga College High School to win the event.

The Henley Royal Regatta marked a successful conclusion to an extraordinary season.

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