In Johnson, there’s trouble a-Bruin

Nicholas D. Sisler ’11 (MIT No. 2) plays in the MIT vs. Bruins Alumni game Saturday. The Bruins alumni won 11-9, and the proceeds of the game benefitted the Boston Bruins Foundation and the MIT Man's Ice Hockey Team.

Looking in-depth at orientation plans

Students take a critical stance, but UAAP plans still not final

By Robert McQueen

Following the Undergraduate Association emergency meeting last week, several student groups have responded in an effort to preserve Residential Exploration (REX) during next year’s orientation. While final changes to Orientation have not yet been confirmed, a reduced schedule could lead to timing conflicts, which could cut back on available time during the REX period. The final scheduling decision rests with Chancellor Phillip L. Clay PhD ’75, and will be made by mid-February, according to Julie B. Norman, Senior Associate Dean and Director of Undergraduate Academic and Advising Programming.

In response to the proposed changes to Orientation, incoming and outgoing members of the Dormitory Council (DormCon) convened to discuss how to address their concerns to Clay and Norman. The meeting resulted in a public letter addressed to Clay that called for the restoration of a full-length REX and student inclusion in future administrative talks concerning Orientation.

Dean of Undergraduate Education Daniel E. Hastings PhD ’80 also wrote a letter, but in response to last week’s Tech article on REX. “Though we will look for ways to shorten the overall Orientation period, we do not plan to shorten the REX period in the coming year,” Hastings wrote.

UA President Vrajesh Y. Modi ’11 said that the UA does not currently have a stance on the UAAP’s proposal to shorten Orientation. He added that the UA will have a better-defined stance following the Wednesday UA executive meeting.

IN SHORT

Want your voice heard about Orientation changes? Speak to your DormCon representatives at the DormCon meeting this Thursday at 5 p.m. in W20-458

The Chief Justice of Ghana is visiting MIT today and will be giving a talk at 5 p.m. in Building E51.

Several hundred people marched in Harvard Square yesterday to protest Egyptian President Hosni Mubarak’s response to uprisings in that country.

More snow is on the way! Snow is expected today, followed by a wintry mix of snow, sleet, and drizzle tomorrow. See weather, p. 2.

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

The Tech’s Year in Review

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Regulators tighten scrutiny of baby sleep products

Three years ago, Dr. Bradley Thach, a professor of pediatrics at Washington University in St. Louis, published findings that had the potential to send nurseries across the nation, and perhaps some lives too.

In reviewing data from the Consumer Products Safety Commission, Thach concluded that crib bumpers—long thought to reduce the risk of suffocation—might in fact be contributing to the deaths. He theorized that many more might have occurred because of inconsistencies in the data.

The Consumer Products Safety Commission initially ignored the findings. Last summer, it reached the same conclusion as a trade group representing product manufacturers, which assorted that other factors, like a crib crowded with pillows or babies sleeping on their stomachs, might have been a factor in those deaths, rather than the bumpers. As a result, most parents remain unaware of the debate over the safety of crib bumpers.

—Andrew Martin, The New York Times

New confusion surrounds plans for Ground Zero Islamic center

NEW YORK — Two weeks after the developer of a controversial Islamic center and mosque planned near ground zero distanced himself from the imam who co-founded the project, the imam has raised confusion over who is in charge by suggesting that he would move the center to a less contentious region.

The imam, Feisal Abdul Rauf, has insisted that he will build the community center and mosque as originally planned: at 51 Park Place in Lower Manhattan.

But on Monday, the political landscape of the country shifted as decisively as it had at any moment in Muhammad’s three decades in power. The military seemed to gressively assert itself as an arbiter between two irreconcilable forces: a popular uprising demanding Muha- rak’s fall and his tenacious refusal to relinquish power.

How far Mubarak is offering to bend in negotiations remains to be seen, and given the potential ambivalences of both sides it is too soon to write off the survival of his government.

A dramatic turn of events began at about 9 p.m. when a uniformed military spokesman declared on state television that “The armed forces will not resort to use of force against our great people.” Addressing the throngs who took to the streets, he declared that the military understood “the legitimacy of your demands” and “affirms that freedom of expression through peaceful means is guaranteed to everybody.”

A rose of celebration rose up immediately from the crowd of thousands of protesters still lingering in Tahrir, as Liberation Square, where a television displayed the news. Oppo-


Super Bowl advertisers try to score points, too

Most marketers that typically advertise in the Super Bowl sell brands with broad appeal and long histories, the better to resonate with the mass audiences that watch the game each year.

For instance, for Super Bowl XLV, to be broadcast by Fox on Sunday, the sponsor roster includes Chevrolet, which turns 100 nate with the mass audiences that watch the game each year.

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Pakistan's nuclear arsenal poses challenges to US policy

By David E. Sanger and Eric Schmitt

WASHINGTON — New U.S. intelligence assessments have concluded that Pakistan has expanded its nuclear arsenal since President Barack Obama came to office, and that it is building the capability to surge ahead in the production of nuclear weapons material, putting on a path to overtake Britain as the world’s fifth-largest nuclear weapons power.

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The Tech

Situation for noon Eastern time, Tuesday, February 1, 2011

WEATHER

Messy weather arrives (again)

by Roman Kowkh

by Roman Kowkh

by Roman Kowkh

by Roman Kowkh

by Roman Kowkh

Extended Forecast

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Second judge strikes down Obama health law case

By Kevin Sack

A second federal judge ruled Monday that it had been unconstitutional for Congress to enact a health care law that requires individuals to obtain commercial insurance, evening the score at 2-2 in the lower courts as a dispute over the Affordable Care Act begins to move up to the Supreme Court.

Chief Judge Roger Vinson of the U.S. District Court in Pensacola, Fla., said the health care law was so “wholly inconsistent” with the Constitution that it “violated the entire law.”

The judge declined to immediately enjoin, or suspend, the law pending appeal, a process that could last for months or years. But he wrote that the federal government should adhere to his declaratory judgment that the law is unconstitutional.

The ruling preserves the legal status of the government’s plan to roll out health-care exchanges in 2014, but it means that individual provisions of the law will not go into effect.

“On the vast majority of cases, “ she said, “I bet we’re right with them. ”

She said that she welcomed being “framed as a villain” by those who are opposed to the law. She said that the rule was based on the fact that “we are not a nation of cowards” but rather a nation of “courage and dedication” who will stand up for what is right.

On Tuesday, the Associated Press reported that the judge had been appointed to the bench by President Bill Clinton.

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We have been told that the proposal to reduce the length of orientation has come down from office and we, as repre- sentatives of the student body are coming to you to ask that you amend the suggested changes to preserve the full length of Resi- dence Exploration (REX).

We understand that Dean Norman’s actions in presenting this proposal to the student body is an attempt to not destroy the format and shape of the scheduling of orientation, but we must record our profound dissatisfaction with the current proposed plan.

At MIT, our communities are what make us strong. Fraternities, sororities, in- cluding the living groups and dormitories all have unique identities, and each living group creates an irreplaceable network support for its students. Our living groups in- clude us, our counselors, and our friends; we strongly believe that having a supportive community at home is essential to survive life at MIT. REX is the time during which these communities are formed, reborn, and rejuvenated.

For freshmen, REX is an invaluable op- portunity to meet other students and inte- grate into the social fabric of MIT. It is their time to explore, to discover, and to find the living group and the community that will make their time at MIT most useful.

Even students who eventually move off- campus to an FNL benefit from the friendships they form during this period of exploration and from finding the right place to spend their first few semesters.

The proposed plan will drastically cut down on the amount of time available to spend on REX activities. While we were told that no REX events would be eliminated due to this cause, it is clear that by moving the end dates for FPOPs and the arrival dates for dorms and living groups on the side where, there will be just one or two days dur- ing which freshmen can actually indepen- dently explore their dorm options. This can- not possibly be considered enough time to find the right community. In 2006, the first recommendation of the UA Extended Re- port on Orientation was to “Place emphasis on Orientation events containing dynamic student-generated content.” A better de- cision on REX could have been made, but we stand by this recommendation.

The goals of REX are not the goal of CPW. The period serves completely different purposes for incoming freshmen, and we oppose the idea of CPW taking over the role of placing freshmen at MIT. We ask the student body and seeking our input in changes to preserve the full length of Resi- dence Exploration (REX).

The proposed changes to REX might as well make REX and Orientation beneficial to all students; the student body and seeking our input in changes to preserve the full length of Resi- dence Exploration (REX).

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No decisions made on Orientation

By Keith Yost

Letters to the Editor

Tuesday, February 1, 2011

The Tech

To the members of the student body who do not follow campus issues, there are only two facts you need to be aware of to have an above-average understanding of what is going on.

1. MIT is committed to guaranteeing every undergraduate on-campus housing if they want it.

2. There are not enough beds on campus living for all who want to graduate.

Two of the simplest facts, and the pressures they create, are the source of nearly all of the storm and drain of student vs. administration fights.

The Consequences of Living in a Housing-Constrained World

In 2001, MIT responded to the binge-drinking death of a freshman by announcer, by instituting a Freshmen on Campus (FoC) policy. The immediate effect of which was to reduce the revenue of MIT's fraternities, and shift students from living in fraternities to dormitories. As a consequence of their reduced revenue, the next few fraternities were forced to raise their dorm room prices, depleting savings, and a rising probability of financial failure.

If a significant number of fraternities fail, their members would have to be absorbed by the dormitory system and fraternities into dormitories. That is something that is simply not possible given the number of dorm beds. So, and so beginning in 2004, MIT has sought to change the environment of its campus by substituting full scholarships for full financial aid. They gave a Big Mac for every single day of class at MIT. The bottom line is as long as it is free as far as it goes, all the cuts they made from the department of athletics, and still have enough money to fund full scholarships.

In their current set of solutions to the frat-bed-dormed imbalance. MIT could admit fewer students. It could build dormitories to hold all the students. It could cut fraternities students from existing dormitories and encourage them to move to the dormitories. As a result, all the cuts they made from the department of athletics, and still have enough money to fund full scholarships.

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REX strengthens community bonds

REX, from Page 4

with a living group takes more than just a day, especially when time must be spent figuring out where all the dorms are and how to get to them. Considering that many freshman participate in FPOPs and ASEs, I can see many skipping out, because apparently dorms aren’t important enough to devote more than a day to figure them out.

The administration claims this change is about making sure that freshmen are academically ready and not exhausted for class. Maybe my brain’s getting foggy from old age, but isn’t there half a week between when freshmen move and the start of classes? Maybe we do have “the longest orientation in the country,” but so what? Since when is MIT so concerned about fitting in with everyone else? Part of what I loved about this place was that we weren’t all dumped into a freshman dorm like so many of my high school friends. In addition, we had so much freedom to choose where we got to live, that the administration respected us enough to make our own decisions. Living with upperclassmen, especially ones I bonded with over a nice, relaxed REX period, made me more academically ready than any official orientation event I attended. They were a source of advice, especially when I was choosing my classes, and not only did they help me with my homework, but some became my best friends. I was happy to pass on the favor when I became one myself.

While REX helped me find the perfect place for me to live as a freshman (and I was sure because I actually had a chance to visit all the dorms, as opposed to during CPW), I did move during IAP of my junior year. I can’t imagine how stressful it would be to move in the middle of a term, or be stuck in a place you truly don’t want to live while you languish on the waiting list. With all the upperclassmen trying to escape extreme dining prices, how long will it take a freshman to get exactly where they want to be if they don’t get it right the first time? It takes more than even the REX period we have now to figure out where to live, so how can that time be cut so short? If you want students to be less exhausted, try making them happier and not needing to pick up and move mid-term. And, if you’re worried about the logistics of starting FPOPs on different days, are you sure you want to transfer that responsibility to the housing office or even mental health services, and make students even more stressed out in the process? Freshmen are already focused on making the transition from high school classes to MIT. It is vital during this time that they have a strong support network, which starts where they live. It will be that much stronger if they really spent time choosing it themselves. There is nothing you can do to make them more “academically ready” than allowing them that freedom.

I’m not even mentioning the importance of REX to the upperclassmen and the dorms themselves. You all know how important it is. Don’t let them take it away from you.

Jacqueline Rogoff ’10 is a former Vice President of French House and a former resident of East Campus.
Steal My Comic by Michael Ciuffo

Consecutive Vowels

I was running a stress analysis on this huge database, and checking out what it found.

Hey? This chart makes no sense, what-- "queuing."

Fuck me now.

But the windows. What is there is a voyeur watches-- wait, now I'm turned on too.

A webcomic of romance, sarcasm, math, and language
by Randall Munroe

Sudoku
Solution, page 13

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<td>1</td>
<td>2</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.

Techdoku
Solution, page 13

<table>
<thead>
<tr>
<th>4</th>
<th>30x</th>
<th>1-</th>
</tr>
</thead>
<tbody>
<tr>
<td>15x</td>
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</tbody>
</table>

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1 through 9. Follow the mathematical operations for each box.
Somewhere on the Search for Meaning... by Letitia Li

Are you sure walking into random caves is a good idea? Why wouldn’t it be? Besides, another part of my heart might be in there!

Look, if no one’s come in here and picked up all this left, there has to be something wrong with this place.

What’s this note?

If you have gotten this far, you have made the cave unstable. Sorry about that. Have a nice 5 minutes.

Want! There’s an item chest over there! What part of falling rocks and flowing lava don’t you understand?

Crossword Puzzle

Solution, page 13

ACROSS
1 Silent signal
8 Mayflower passenger
15 Brightest star in Scorpius
16 Bring to life
17 Vaccaro and Lee
18 Took turns
19 Long, feathery scarf
20 Ogden resident
22 Ancient ointment
23 Sugar cube
25 Positive votes
26 Latvian chess master
27 Needle cases
29 Pollution problem
31 Gratify completely
32 Group of seven
34 Set aside
36 City near San Diego
38 Social Security pioneer
41 Pager
45 Hot pair in poker
46 Okinawa city
48 Trunk tire
49 Sch. org.
50 Machinery parts
52 "Auld Lang __"
53 White
55 Animal Farm author
57 Room sign
58 Satan
60 Least sloppy
62 Make a connection
63 Period of peace
64 Poet Siegfried
65 Loud speaker

DOWN
1 Jabbers
2 Along the way
3 Get hot under the collar
4 Soak up some rays
5 Pakistani tongue
6 "Giant" ranch name
7 Exam compositions
8 Umbrella cousins
9 Fully versed about
10 Long course
11 Crimebuster
12 Drumming sound
13 Repeat oneself
14 Stuck one’s nose in
21 Procrastinate
22 Climber’s spikes
28 Brief time periods
30 Silver-tongued
31 Soaks
33 Twin 12 and 20
35 Praiseful poems
37 Ancient Greek poet
38 Parts of rocker arms
39 One of Mark Antony’s wives
40 Becomes fatigued
42 Compensation
43 Che Guevara’s first name
44 Input data again
47 Corrects
48 Trunk tire
49 Sch. org.
50 Machinery parts
52 "Auld Lang __"
53 White
53 White
57 Room sign
58 Satan
60 Least sloppy
62 Make a connection
63 Period of peace
64 Poet Siegfried
65 Loud speaker

54 “Boola Boola” singers
55 Suspicious of
56 Past due
59 Lennon’s widow
61 X
Fitting fitness in your daily schedule

By Divya Srinivasan

Getting a consistent amount of sleep or not... a tremendous amount of productivity in not wayside. Whether we realize it or not, we lose work, leading a healthy lifestyle falls by the wayside. One of the main reasons for this is the lack of sleep. Sleep is usually the most sacrosanct of all the resolutions we make on New Year's day. Perhaps it's the way the resolution is framed — "being fit and healthy" is a pretty catchy and pleasant phrase to remember. I know that of the three, getting a consistent amount of sleep or not is the one that goes along the lines of: "This [insert period of time] I am going to [do something]". You may have made this resolution once before and were perhaps successful in keeping it up, in which case I'd love to hear how you did it. However, in my case, it has typically worked well for the first two weeks of the semester, and failed after the onslaught of p-sets, exams, and work.

So why is the resolution framed — "being fit and healthy" is a pretty broad and vague terminology for a significant undertaking. Therefore, I've decided to make my resolution along the lines of: "This week I am going to exercise for 30–45 minutes a day." With that said, what do I do for about 30 minutes a day, you might ask? I do this for four or five minutes later than you usually would, then make up for lost time by walking a little more regular form of recreation, sign up for the intramural program, or perhaps a volleyball game or some ice-skating fun. This is an opportunity you can use, such as a 2.5 mile walking route that getfit@MIT still has some neat resources that can be of help. The A-Team consists of two or three pier students. As long as you do your best, you're well on your way to being a healthier and happier student.

Relieving hunger and solving the problem of stray animal overpopulation in one swoop

By Deena Wang

In 2009, 43.6 million Americans were living poverty, a number compounded by the effects of the recession. Of all the hardships of poverty, the most tragic is the lack of food. It leads to illness and leads to loneliness and apathy, not to mentioning stunting growth in our children as they develop. In 2009, 50.2 million Americans were at risk of hunger, and 17.2 million of them were children.

Statistics vary, but there are approximately 70 million stray cats in the United States alone and a correspondingly vast amount of food goes to waste every day. Of those animals that have the good fortune to be brought to a shelter, 61 percent of dogs and 71 percent of cats are euthanized, their bodies rendered for use in food, cosmetics, fertilizer, and agricultural feed. Noting the mouths yearning to be fed on one side, and the vast excess of flesh on the other, may I suggest allowing the problem to resolve itself, according to what I have been assured is the fundamental theory of economics: that a dog will make for a lovely stir-fry, or soup, or cut of roasting that will yield at least a leg of meat in no way is a dish to scorn.

The plan will also reduce the overall $2 billion spent by the government to needlessly destroy useful livestock. Instead of being drained upon our already attenuated budget, the surplus stray population will add to our national economy. No longer will we be forced to beg upon the streets due to lack of a paid pet employment. When a whole new sector of work will be opened in the cutting, meat processing and production of lovely fur hats, coats, and trimmings. I foresee the explosion of new restaurants and recipe books to take advantage of the haltedan unknown epicurean delights of the new food, improving our luxury trade as well as our basic sustenance.

For those concerned about the mere fact it is for consumption, fear not. Dog and cat meat is documented in traditional Chinese medicine as a “warm” food that is most appropriate for the winter season. For chicken, dog meat has more calcium, iron, phosphorus, potassium and vitamin A, and more mass per carcass too. Of course, some of our dear readers may be overcome with revulsion over the thought of consuming their dear beloved Fido or Fluffy. However, fear not for the safety of your pets, for it is only the stray and feral cats that we will have their flesh repurposed. And because our female cats’ descendants could cause one female cat’s descendants could become with revulsion over the thought of their bodies rendered for use in frost hats, coats, and trimmings. I foresee an explosion of new restaurants and recipe books to take advantage of the haltedan unknown epicurean delights of the new food, improving our luxury trade as well as our basic sustenance. Many of the dogs that are being euthanized will have their flesh repurposed. And because one female cat’s descendants could become with revulsion over the thought of their bodies rendered for use in frost hats, coats, and trimmings. I foresee an explosion of new restaurants and recipe books to take advantage of the haltedan unknown epicurean delights of the new food, improving our luxury trade as well as our basic sustenance.

The effects of the recession. Of all the hard- ships of poverty, the most tragic is the lack of food. It leads to illness and leads to loneliness and apathy, not to mentioning stunting growth in our children as they develop. In 2009, 50.2 million Americans were at risk of hunger, and 17.2 million of them were children.

Asian countries to ban the consumption of dogs. There seems to be some hypocrisy between acceptable behavior for us and unacceptable behavior for others.

In any case, I would regard it as greater cruelty to deny needy human beings a basic sustenance. Cruelty to deny needy human beings a basic sustenance. Cruelty to deny needy human beings a basic sustenance.
Level up! Beating the first boss
Lessons I learned from surviving semester one of MIT

By Amanda Aparicio

Holy crap, I survived!

After successfully — a loose definition of “successfully,” mind you — tackling and conquering the feared, abhorrent monster of the first semester of an MIT education, all I wanted to do was shout my glorious vic- tory cheer to any unfortunate passerby. Perhaps this is why people think MIT kids plus a social situation is the equivalent of 1 divided by zero — disaster.

However, in an attempt both to not warrant myself a visit to the loony bin and to further leave the reputation of the MIT social capabilities in shambles, I shared my battle cry only with fellow victors. What a great feel- ing. But, I did not leave the battlefield sans scars, even though I had the ultimate shield known lovingly by many freshmen as Pass/ No Record.

I learned that to not check your e-mail at least once every three seconds leads to certain death. Similar to Jim Carrey’s character, Bruce, in the comedy Bruce Almighty, I found my en- durance drained significantly by the plethora of electronic messages I received. What is this organization? How do they have my e-mail address? Yes, I know that you’ve having an event, considering you’ve sent me the same e-mail a bajillion times. And no, I do not want to see you two kids argue over this mailing list about nothing. Can’t you just hit “Reply” in- stead of “Reply All”? In order to ward off such an annoying and inherently inconveniencing at- tack, I normally employ the “Select All Items” + “Delete” combo.

Besides this, first semester also has the power to change you from a happy, morning person who can easily wake up at 8 a.m. to a nocturnal being who would be much more content staying up until 8 a.m. At first, this ability does not seem like a big deal. With the creation of curtains to block out that pesky daylight and light bulbs to illuminate the times when you actually wish to be awake, who cares where it’s actually day or night? Well, when you have midterms at 9 in the morning and classes at the same time for the next semes- ter such an attack can be quite powerful. Re- versing this convoluted sleep schedule proves to be much more difficult than initializing it, similar to going forward in a reactants-favored reaction with a k value of 10^-10. Coffee proves to be the best potion to right this travesty, al- though a significant amount of willpower is also needed.

Despite all of this and more (just read mirtf.com), I, and others, have survived, and possibly even prospered. We’ve come out victorious — debatably — and ready to beat the crap out of the next semester. First semes- ter might’ve tricked us since we were seen such news, but now that we’ve leveled up and learned some new attacks of our own, second semester and subsequent monsters at MIT will not have such an advantage. (Hopefully. Who knows? This might be one of those annoying games where your charac- ter can actually lose skill points and go down a couple of levels… that’s awkward. Let’s just hope not — ignore that last comment — and move on, shall we?) So, be you a senior on your way to fighting the last boss of MIT or a newly freshmen still growing you new abilities, I wish you the best of luck with your next round of MIT. Go kick some ass — as- sorted challenges. (you thought I was going to say a -, didn’t you?)

10 websites you might not have heard of

Every once in a while, you run into someone who’s lived in a particular city for a long time and knows her way around. She call tell you the best local restaurants, the coolest clubs, and which places to avoid at all costs (the real-life equivalents of 10 websites you might not have heard of

By Paul Woods

1) TheFuckingWeather.com:

The best thing about thefuckingweather.com isn’t the joke; it’s the simple and clean interface. No clutter. No waiting for image ads to load. It even automatically loads. It even automatically

2) News.YCombinator.com:

Y Combinator’s Ogg-escape news site is one of the best places to go for technology and startup-related news. Perhaps the best part is that it’s also relatively troll-free.

3) RapGenius.com:

Self-described as “a rap lyrics encyclope- dia that anyone can edit,” Rap Genius is different from other lyr- ics websites in that it lets you click on words and phrases in song lyrics, and it explains what they mean. An indispens- able site — especially when The Far East Movement and their random inclusion of aircrafts model names that no one has ever heard of before are involved. Eminem and his minor celeb- rity references have just met their match.

4) StumbleUpon.com:

Okay, so maybe you have heard of this site before, but there are enough people who haven’t that I thought I’d include it. Basically, StumbleUpon is sort of like Pandora, except instead of introducing you to new music, it lets you find new websites based on your interests and which sites you’ve previously liked and disliked. Along with a Firefox Add-on, there are now also Android and iPhone apps. I hope Stum- bleUpon doesn’t mess up your GPA too badly.

5) Scholar.Google.com:

Who said Vera Multi-Search is better than Google? Plus, if you’re using an MIT IP address, Google Scholar will even direct you to the appropriate link when articles are available through MIT Li- braries.

6) HDWhite.org/puzzle:

I still haven’t finished it, but it’s al- ready challenged my brain and given me some great puzzles of all time. Warning: it’s hard.

7) DoNeedAFlashIntro.com:

This site provides useful advice for web designers and developers. All web de- signers should bookmark this site for reference purposes.


Along with the vast majority of the human popula- tion, I’m a visual learner, which is why the words in math and physics textbooks should be used to elaborate on the diagrams, not the other way around. That’s what Georgia State University’s physics website does. It even has Wikipedia-style links whenever it uses a previous concept in an explana- tion. The site was incredibly helpful during my freshman GIBs.

9) 10/ RotoWorld.com

If you play fantasy foot- ball, RotoWorld.com is the place to go for news and analysis. I’ve searched through a lot of sites and listened to a lot of fantasy football analysts. Rotoworld’s manag- ing editor, Gregg Rosenthal, is, in the best fantasy football analyst. Period.

If you’re looking for advanced metrics, Foot- ball Outsiders has the goods. If you want to be a fantasy football champion — and by being a champion, I mean turning the exciting and unpredictable world of sports into a mind- numbing grind — this is the site to go to.
In order to print full color pages, the paper must pass through four separate presses, with cyan, magenta, yellow, and black layers aligning to produce images.

How does The Tech get made?

Last Wednesday, we visited our printer in Auburn, MA, to see the issue from start to finish.

Workers at MassWeb adjust levers on each color press so ink is fed onto rollers such that each page receives sufficient but not excessive amounts of ink across the span of the printing plate.

Robert D. Allen, Sales Manager at Mass Web Printing Co., displays a freshly-printed and folded black ink plate. Each plate contains the pattern for one color of ink for four pages of The Tech.

A machine adds inserts to the inside of complete, folded papers.
**THEATER REVIEW**

**Geeky. Humorous. Inspiring. Powerful.**

“Bucky” explores the mystery of a genius’s mind

By Natthida Wwatwicha  
STAFF WRITER

When I invited a friend to see the play with me, he asked me who R. Buckminster Fuller was. My response was, “He’s an architect, some kind of engineer ... I think.”

“Ah, you think?”

All I knew about Fuller was that he was the designer of the geodesic dome and the origin of the names buckyball, fullerenes, and buckminsterfullerene. I wanted to see the play to learn more about R. Buckminster Fuller.

But it ended up telling me more than I expected.

I felt as if I had entered a different world when I arrived at the American Repertory Theater. The lobby was fully decorated with mathematical equations, octahedrons, tetrahedrons and the like on the windows, and framed pictures of beautiful geodesic spheres by the ticket area. The atmosphere of the theater resembles a giant lecture room; one filled with warmth, personality, inspiration, and geometric shapes.

The play gave me a two-hour exploration of the eccentric and delightful world of Fuller. R. Buckminster Fuller: The History (and Mystery) of the Universe is a one-person show based on the life, work, and writings of Richard Buckminster Fuller (1895–1983). Thomas Derrah’s role depicts Fuller as the night’s guest speaker who wants to share his life story — from his family to discoveries, from contemplation on nature as the solution to all designs to his perspectives on socioeconomic issues. It was an interesting performance: Derrah had to effectively deliver not only the human emotions and character of Fuller, but also the engineer-scientist-mathematician-mind. Derrah immersed himself in the world of Fuller as he recited line after line about synergy and beautiful physical structures. He moved around like a child, both physically and mentally — imaginative, independent, curious. Derrah’s performance made me wish I could meet the real Fuller when he was still alive.

The introduction about Fuller’s childhood revealed his fascination with nature and natural intuition. His independence from all constraints imposed artificially by others foreshadowed events in his life, including two expulsions from Harvard.

As far as humor is concerned, MIT students may appreciate some of it more than the rest of the audience. Jokes about gravity and pi made me feel at home. Derrah also engaged the audience, inviting them to sing along with him, to stand up and feel the earth rotate at 23 degrees off the axis with him. Occasionally, an impassioned Derrah moved around while speaking, the stage resembling an acid trip with floating tensegrity structures. What a great visual representation of Fuller’s captivation.

The most important experience I took from the play was Fuller’s life philosophy. After becoming unemployed and depressed before the start of his successful career as a revolutionary inventor, Fuller ponders: “What can one penniless person do on behalf of humanity?” Such a question would prompt any person to live and work to their full potential. Fuller was an engineer and a scientist, but for the sake of something larger.

He focused on the responsibility of scientific revolution and technology to make the world a better place: “We are here for problem-solving. Not to have problems out of the way in some stupid, sublime something called peace. We’re here strictly for problem-solving, and the better you get at it, the more problems you’re going to get to solve.”

One warning: A hundred minutes of fluid monologue, no matter how worthy of your attention, might turn baffling and soporific. A cup of coffee during the intermission might solve that problem.

Derrah portrayed Fuller as a visionary, a designer of not only physical creations but also of ideas, his own life, the world, and the future. But whatever he was, I gained so much respect for this man without having to read a single book about him. I am grateful for the two hours of entertainment, education, and for the opportunity to meet him, even as a character in a play. This is one of the many lines in the play that I will keep close to my heart for the rest of my life: “You don’t belong to you, you belong to the Universe.”

Tip: Go online to look at the show times, but do not buy the tickets. Student Rush promises great seating for only $15. All you have to do is get there 15 minutes before the play.

**R. Buckminster Fuller: The History (and Mystery) of the Universe**  
American Repertory Theater  
Written and directed by D.W. Jacobs  
Starring Thomas Derrah  
Multiple showings until February 4

**Staff Writer**

Kelly Duncan  
Molly McCartt  
Jonathan Smith  
Carolyn Wang  
Steven Wu  
Alice Yu  
Ignacio del Pino

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Students, Director of Athletics recall the emotions of slashing varsity sports

*Varsity cuts, from Page 1*

Alpine Skiing Team when the cuts were made. She recalls the emotional mood of the announcement.

“Half of the team was crying. The other half had that sad look on their faces,” she said. Reddy had considered her team a family, and the news that it was time for cuts to be made, she had felt like the team was going to lose its varisty status.

We kind of knew it was coming. Skiing is a very expensive sport and the size of the team versus cost per person was higher than a lot of the other varsity sports,” she said.

Stephanie C. Leger ’11 and Elaine V. Chin ’14, now both players on the Women’s Club Ice Hockey team, remember the shock of the announce- ment. Chin, an alumni player on the club team at the time, found out about the cuts at the same time as most of the MIT community — when DAPER sent out its letter explaining the cuts to the public. Leger, who was on the varsity team, claimed that no one had any idea of the impending cuts during the season. “It was a bit of a shock,” she said.

Many athletes on the cut teams had planned to play varsity sports for the entirety of their MIT undergradu- ate career, including Riley E. Brandt ’11, current captain of the Men’s Club Hockey Team and a varsity member at the time of the cuts. “A big reason why a lot of students picked MIT was the opportunity to play their sport while they studied here,” he said.

Nicholas C. Swenson ’12, current- ly the Golf Club team president, had come to MIT expecting to play varsity golf! The initial frustration stemming from the cuts almost caused him to make a spur-of-the-moment deci- sion to transfer out of MIT. After the cuts, Harvard’s golf coach said that although Harvard was not accepting transfer students at the time, there was a possibility that an exception for Swenson could be made if he joined Harvard’s golf team.

“I don’t know how serious I was about transferring at the time. Look- ing back, I’m glad I didn’t,” he said.

Kristen D. Watkins ’11, now co- captain of the Women’s Club Gymnastics team, claimed that many members of the team were aware of the possibility of losing varsity status. Still, she felt that the cut upset many of the gymnasts who came to MIT to compete on a varsity level. She her- self originally applied to MIT only af- ter hearing of the varsity gymnastics program.

“I think for a lot of people it was kind of upsetting to come and choose this school and for [DAPER] to cut the reason they came here,” she explained.

Prospective students, too, were frustrated. As an incoming freshman at the time, Ryan J. Madson ’13 was not at MIT when the cuts were made, but he was still frustrated and feeling unable to compete on a varsity level for MIT’s Wrestling team as he had in- tended. “I was kind of disappointed that I didn’t get the opportunity [to compete in varsity],” he said.

Men’s Club Gymnastics President and former varsity member Ja- cob T. Shapiro ’11, who described the cuts as “disappointing and frustrat- ing,” said the team was confused about what to do next. “It wasn’t re- ally clear what was going to happen with the team,” he said.

Although the initial announce- ment struck the Varsity Pistol team pretty hard, they were ready to move on about a week later, according to Pistol Club Team Captain Andrew K. Suguya ’11. Suguya had suspected the pistol team was going to be cut when DAPER sent out an e-mail to members of the cut teams, request- ing their presence at the April 23 meeting.

Emotions ran high even for MIT students not on varsity teams. Af- ter the announcement was made that cuts were imminent, but three weeks before the affected teams were announced, student-athletes from across MIT’s athletics programs staged a protest in Lobby 7. Over 100 students attended a DAPER ques- tion-and-answer session two days after the announcement was made, and outraged letters flooded the Tech Opinion inbox. On April 13, stu- dents launched “ثم the Beaver at the inaugural Beaver Bowl event dur- ing DAPER’s annual spring Athletics Weekend, demanding that student opinie be heard and that the cuts be delayed at least one year. On April 24, the day after the sports to be cut were announced, the New York Times ran an article on the cuts, quoting a col- umn from then-Tech opinion writer Elhanan A. Solomon ’12 (now the Tech Editor in Chief) and then-varsity pis- tol coach Will Hart.

“MIT has a certain culture,” said Hart to the Times. “The students need release. I hope they find something else that was as close to enjoyable as their sport was.”

“Put an emotion there, and it was there!”

Soriero, too, recalls how difficult it was for her to make the announce- ment. “There was a lot of disappoint- ment, hurt, frustration, and anger. Put an emotion there, and it was there,” she said.

She reasoned that supporting 41 varsity teams had always been an is- sue for DAPER. However, when the economic recession hit the Institute, it was time for a budget cut. More than 50 percent of the DAPER budget at the time went to varsity programs, she said, so there was no way to avoid looking at varsity programs when making cuts.

She states that the department was still picking which teams to cut when they announced that such a decision was impending. She and the rest of her team wanted to make sure that the right amount of cuts were made so they would never have to make a similar decision again.

When considering cuts, the DAPER administration looked at each team, and not just from a cost per- spective — although Soriero does admit that in many cases, cuts were made from the most expensive sports per participant. Soriero cites the DA- PER Health and Vitality Report, an ongoing study that started collect- ing data in 2003, as one source of information. The report included 11 relevant topics including roster size, competi- tion, and other trends for each team. DAPER also considered the league each team was in.

“We had a number of [varsity] sports that are now club that were competing in a club league, or they were only competing against club sports,” she explained, like pistol.

“But we were trying to sustain them at a varsity level in terms of all the support services, coaching, com- plaince, etc. So if they were a club and if they continued to compete in the exact same conference they were in, they would have the same com- petitive opportunities as their coun- terparts.”

At the time of the cuts, there was a moratorium on the number of club sports. Ultimately, this moratorium was lifted to allow the cut varsity sports without club equivalent opportunities the opportunity to continue on as club sports.

Still, in the hours and days after the cuts were announced, few play- ers on any team knew what to expect in the upcoming year.

“It was a big day like [DAPER] left us to figure it out,” said Leger. “This is the first in a three-part se- ries on the current status of MIT’s cut varsity sports.”

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**Last day to join February 10.**

web.mit.edu/womensleague/womenschorale

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**Henisi. Pat, cor sum nos doloreet elesseq uatuera esectem doloboreet, con heniscidunt at, quat dolobore diam, veliquisl ... sectem zzrit eum nonum ese dolortisis amconullaore vulla feu feu feu feum duipsus tionsectem erci tet aci endreet lor si.**

**Solution to Sudoku**

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

**Solution to Technoku**

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

**Solution to Crossword**

1 2 3 4 5 6 7 8 9
1A 2B 3C 4D 5E 6F 7G 8H 9I

1A LEARN TRADE TEACH
2B C 3C D 4D E 5E F 6F G 7G H 8H I

1A LEARN TRADE TEACH
2B C 3C D 4D E 5E F 6F G 7G H 8H I

1A LEARN TRADE TEACH
2B C 3C D 4D E 5E F 6F G 7G H 8H I

1A LEARN TRADE TEACH
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2B C 3C D 4D E 5E F 6F G 7G H 8H I

1A LEARN TRADE TEACH
Gates calls for final push to end polio

By Donald G. McNeil Jr.

NEW YORK — On Monday, in a Manhattan town house that once belonged to polio’s most famous victim, Franklin D. Roosevelt, Bill Gates made an appeal for one more push to wipe out world polio.

Although that battle began in 1985 and Gates started making regular donations to the cause only in 2005, he has emerged in the last two years both as one of the biggest donors — he has now given $1.3 billion, more than the amount raised over 25 years by Rotary International — and as the loudest voice for eradication.

As new outbreaks create new sets each year, he has given ever more money, not only for research but for the grinding work on the ground: paying millions of vaccinators $2 or $3 stipends to get pink polo drops into the mouths of children in villages, slums, markets and train stations.

He has also journeyed to remote Indian and Nigerian villages to be photographed giving the drops himself. Though he lacks Angela Jo- li’s pneumonic allure, his lingering “world’s richest” cologne is just as aphrodisiacal to TV cameras.

He also uses that celebrity to press political leaders. Rich Gulf nations have been criticized for giving little for a disease that now chiefly affects Muslim children; last week in Abu Dhabi, United Arab Emirates, Gates and Crown Prince Sheikh Mohammed bin Zayed Al Nahyan jointly donated $50 million each to polio eradication. “The world’s richest man” cologne is just as aphrodisiacal to TV cameras.

“Looking at all the money that the skeptics say they’d save, I think it’s crazy,” Gates said in an interview via Twitter. “There’s a real value in getting to a point where you can stop — it’s clearly not a $1 billion year on pet food, according to the American Pet Products Association. (Americans spend about $18 billion a year on pet food, according to the American Pet Products Association.)

But he and the skeptics agree that polio is far harder to beat than smallpox was.

One injection stops smallpox, but in countries with open sewers, children need polo drops up to 10 times.

Only one victim in every 200 shows symptoms, so when there are 50000 cases, as in the recent Congo Republic outbreak, there are 100000 more silent carriers.

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US pushes nuclear energy, but its projects lag

By Matthew L. Wald
The New York Times
WASHINGTON — In his State of the Union address, President Barack Obama proposed giving the nuclear construction business a type of help it has never had, a role in a quota for clean energy. But recent setbacks in a hoped-for “nuclear renaissance” raise questions about how much of a role nuclear power can play.

Of four reactor projects identified by the Energy Department in 2009 as the most likely candidates for federal loan guarantees, only two are moving forward. At a third, in Calvert Cliffs, Md., there has been no public sign of progress since the lead partner withdrew in October and the other partner said it would seek a replacement.

And at the fourth, in Texas, a would-be builder has been driven to try something never done before in nuclear construction: finding a buyer for the electricity before the concrete is even poured. Customers are not rushing forward, given that the market is awash in generating capacity and an alternative fuel, natural gas, is currently cheap.

“The short answer is, there has to be a market for the power,” said John Reed, an investment banker who specializes in nuclear projects. “That’s the most immediate hurdle these projects have to get over.”

Yet there is a fairly sturdy political consensus in favor of building more reactors. By including nuclear power in a proposed “clean energy standard” shifting the electric system away from conventional coal and gas, whose emissions contribute to global warming, the Obama administration is seeking to stoke such support.

Many Democrats and most Republicans in Congress back nuclear construction, as do local officials in most places where reactors have been proposed.

Sen. Lamar Alexander, R-Tenn. and one of the Senate’s strongest proponents of nuclear power, suggests Obama should make building 100 reactors in the next 20 years a national priority, both for energy security and to limit climate-changing emissions.

But for now, he acknowledges, the economics are not in place. “Right now, it’s stuck,” he said of the planned nuclear revival.

Some challenges are not peculiar to the nuclear sector. All forms of clean energy, including solar and wind power, are undercut to some extent by the cheap price of natural gas and the surplus in generating capacity, which is linked partly to the recession. And federal caps on carbon dioxide emissions from coal- and gas-burning plants, which would benefit clean energy sources, are not expected until 2012.

But some obstacles are specific to the nuclear industry, like the ballooning cost estimates for construction of reactors, which are massive in scale. Even when projects are identified as prime candidates for federal loan guarantees, some investment partners turn wary.

“All that uncertainty creates an incentive for you to wait,” said Joseph Aldy, who was a special assistant to Obama until December, said of the nuclear projects.

To counter the uncertainties, Alexander and others have arranged substantial help for the industry. The Nuclear Regulatory Commission has been working for more than 15 years to streamline reactor licensing to cut construction time and to reduce risk. And the 2005 Energy Policy Act provided money for loan guarantees, subsidies for production from the first few reactors and insurance against regulatory delays.

Industry executives say with those changes and the financial help, they had what they needed to build after a gap of three decades. By 2008, the NRC had 15 applications for new nuclear plants in hand and expected 15 more, and it asked Congress for budget increases for personnel to handle the flood. Across from commission headquarters, in Rockville, Md., workers are now digging a foundation for a $131 million, 14-story office tower for 1,500 employees to handle an anticipated flood of applications.

But many of the proposed reactors are fading.

The four projects identified by the Energy Department after the 2005 act as the strongest candidates to share a $18.5 billion pool of loan guarantee money underline the difficulties.

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SLOPE, UAAP, and DUE to finalize plan by February

Students stand by REX; DormCon plans to talk with Norman, Clay about shortening Orientation

Orientation, from Page 1

that the meeting is open to the MIT community and will focus on REX and Orientation. People should come,” Johnson said.

At the meeting, DormCon will be discussing the next steps in approaching the UAAP and the Office of Student Affairs. In addition, the Undergraduate Orientation (DUE) about the proposal to shorten Orientation. According to Johnson, DormCon plans to meet with Clay and Norman.

Yesterday, a group of students protesting the shortening of REX handed out flyers at the class registration tables in Du Pont. The flyers stated that “drastic, unjustified cuts to orientation are a threat, threatening everything from dorm culture to academics.”

Moving forward with orientation changes

In the coming weeks, the Student Life Orientation Programs and Experience Committee, or SLOPE, will work with the UAAP and DUE to determine a final plan for the reduction of orientation. SLOPE includes representatives from DormCon, UA, PSSOs, and SAPP.

“I believe communication by all stakeholders is very important and I am committed to it,” Hastings said in an e-mail interview with The Tech. Hastings advised students to address any concerns they may have with the proposed changes to their SLOPE representatives.

According to Norman, the UAAPP and DUE are working on a schedule for all administration-run events, including the Advanced Standing Exams, the Math Diagnostic Test, and the Liberal Education. The remaining blocks of free time will be dedicated to student-run activities, including REX.

According to Hastings, the UAAP has been conducting background studies to form the proposal, including meetings with a faculty advisory committee, DUS, International Student Office, Housemasters, MIT Medical, DUE, and the UA emergency meeting.

Students are concerned that by reducing orientation by two days, less time would be available for official REX activities.

Reasoning behind the changes

Hastings acknowledged that shortening Orientation will “save resources” for MIT. However, he identified the recommendations of the 2006 Task Force on the Educational Commons Subcouncil as the main catalyst behind the proposal to reduce Orientation.

In its final report, the task force recommended that “the Chancellor should continue a faculty committee to examine first-year orientation and ensure a more equal balance among student life, academics, and research.” As part of this effort, consideration should be given to the impact of the new pre-orientation first-year programs and how they contribute to the important intellectual goals of first-year orientation.

In the 2008 Educational Commons Subcouncil Final Report, there was no mention of reviewing, improving, or changing orientation. The Institute Planning Task Force’s Final Report also did not recommend shortening Orientation.

Norman said the decision to shorten Orientation was based on a multitude of reasons, including recommendations from the Task Force on the Educational Commons Subcouncil and the Institute’s Wide-Planning Task Force.

In response to the Institute budget cuts, the DUE formed the Working Group on First Year Programs, which recommended the reduction of Orientation by three days. Hastings said this idea was “concurrent” with the idea presented by the task force.

Given we already have the longest orientation period among peers (including the pre-orientation programs), it made most sense to look at reducing the total amount of time,” Hastings said.

Students stress importance of REX

On Jan. 15, Modi, UA Vice Presi-
dent Sammi G. Wyman ’11, Nor-
am, and Associate Dean of the UAAP Elizabeth C. Young met to discuss how to present the proposal to the MIT students.

“We jointly decided that a spe-
cial meeting of the Senate would be a good way to understand the changes and would provide a struc-
ture for giving feedback,” Modi said to The Tech.

He praised Norman for being candid about the process, saying “IT’S good having someone who is so up-
front,” Modi said.

Norman acknowledged that stu-
dents are upset about the changes, but added, “We have their [stu-
dents] best interest in mind.”

Johnson met briefly with Nor-
am on Monday, Jan. 24. According to Johnson, Norman said that the events and purpose of REX would remain untouched.

At that time Johnson did not think major chang-

October 2006 Task Force on the Un-
dergraduate Educational Commons Final Report

The Chancellor should convene a faculty committee to examine first-year orientation and ensure a more equal balance among student life, academics, and research. As part of this effort, consideration should be given to the impact of the new pre-orientation first-year programs and how they contribute to the important intellectual goals of first-year orientation.

October 2006—DUE Report to the President

“Early in 2005, three DUE working groups were formed to look for specific, cross-cutting, actionable recommendations within the purview of DUE that could raise or reduce money without compromising our mis-

2008—2009 DUE Report to the President

“Reduce freshman orientation from six days to three days. While this recommendation makes sense, implementation could take several years. Several student groups will need to be involved in the planning, taking into account interlinked areas such as Residential Exploration and the Advanced Standing Exam for freshmen. Preliminary discussions with faculty about the Advanced Standing Exam are scheduled for late Fall.”

December 2009 The Tech Editorial Report

The orientation planning committee will syn on student feedback in making Orientation cheaper as MT... The recommendations would include a wide-budget cooperation. Some measures have been suggested that have potential to significantly detract from the freshman orientation experience — including omitting the week of orientation in half.”

2009—2010 DUE Report to the President

“Develop strategies and prepare for future faculty meetings... redu-
ing the PPOD and orientation period, including prioritizing programming, identifying com-
moments among peers and many fac-
tly feel that freshmen start the term too tired. Freshmen report too many events. In order to give a specific target, the Chan-
cellor’s office has recommended that we can shorten orientation by approximately two days. Reduc-
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Freshman orientation through the years

September 1998 Task Force on Student Life and Learning Final Report

“You MIT has an effective orientation for all segments of the community. In general, underrepresented groups tend to be over-represented in the student body. We recommend that the Office of Undergraduate Education (OUE) take steps to improve the quality of the orientation experience by focusing specifically on the needs of underrepresented groups. By and large, the current system of undergraduate orientation detracts from the sense of an overall community at MIT, and discourages faculty-student interaction.”

September 2009 DUE Working Group on the Impact of REX

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tion from six days to three days... This recommendation makes sense, implementation could take several years... Several student groups will need to be involved in the planning, taking into account interlinked areas such as Residential Exploration and the Advanced Standing Exam for freshmen... Preliminary discussions with faculty about the Advanced Standing Exam are scheduled for late Fall.”

January 25, 2010 Dean Julie B. Norman at the Emergent Meetings: “We need not only to think about what potential changes but also how it should be expected to accomplished during orientation. We have stepped back to think about what an Orientation should include. Some preliminary steps have been taken, as the Chancellor has proceeded with the conversation about the review of orientation and shortening it.”

January 30, 2010 Dorm Presidents Letter to Clay in response to proposed REX changes

“We ask two things. First, we oppose to the implementation of a full REX to the proposed schedule, as we feel dorm life and unique community are cornerstones of MIT life. Second, we want to know how we can gain or lose more than anyone else. We ask to be involved in any future discussions and changes.”

January 31, 2010 Letters from Dean Daniel E. Hastings in response to The Tech article on REX changes

“We have one of the longest orientations in the nation among our peers and many fac-
ty feel that freshmen start the term too tired. Freshmen report too many events. In order to give a specific target, the Chan-
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ing orientation by this time does not remove the full impact on REX.”

Connor Kirschbaum—The Tech
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2010’s defining moments
World Cup, LeBron move made the year

By Nidhersh Anandasivam

A few years from now, we will look back on 2010 and remember only certain moments in the world of sports — those instances of great influence, moments that changed the history and impacted the future of sports.

Here is part one of the unforgettable sports moments of 2010 that I think will withstand the test of time:

1. **The World Cup and the Swarm of Bees**

   Spain claimed its first World Cup title by defeating the Dutch in the World Cup Final during the waning minutes of extra time with Andres Iniesta’s absolute blast directed towards the side netting. After tremendous expectations and unfortunate heartbreaks in each of the previous World Cups, Spain showed the world it was finally ready to hoist the trophy as the best team in the world.

   Opposing teams were made weary and audiences were electrified by the passing execution among the Spanish defenders and midfielders, which was nothing less than impressive, as Spain kept the ball in its possession throughout most of its games. But Spain’s victory won’t be what fans remember most about the World Cup.

   When people think back to the time they watched the 2010 World Cup, some may remember a struggling Italy unable to make it to the knockout stages for a potential re-match so far — contributing to the improved regular season record of the Cleveland Cavaliers. Either way, the sound of a vuvuzela will forever be associated with and distinguish the 2010 World Cup from all the rest.

   2. **The Decision (“Wait a minute, he is on that team now!”)**

   After LeBron James joined the Cleveland Cavaliers as the number one pick in the 2003 NBA Draft, it seemed like he would showcase his talent early, develop into one of the premier players in the league, and create a dynasty in Cleveland, especially considering that he was born and raised in Ohio. The first two happened. But the third, not so much.

   No one who watched the World Cup at least once could forget the acoustic uniqueness of this event in South Africa.

   Becoming Rookie of the Year in the 2003-04 and the NBA’s most valuable player in 2008-09 and 2009-10, James transformed into a rising superstar, making the All-NBA team and the All-Star game every year since 2005. But as a free agent in 2010, James decided to leave the adoring fans of Cleveland and join Dwyane Wade and Chris Bosh in Miami. Now, with superstars James and Wade on the same team, it is nearly impossible for defenses to contain the penetration of the Heat into the paint. The athleticism and shift of Wade and James has been shown to be just too much to handle.

   LeBron’s move to Miami may have resulted from an intense craving for a “better chance” at a championship or a general disgust with the Cavaliers never winning it all. Either way, this single move has had a tremendous impact so far — contributing to the improved versatility of the Miami Heat and the abysmal regular season record of the Cleveland Cavaliers — and it promises to make history in the near future.