

MIT's
Oldest and Largest
Newspaper



WEATHER, p. 2

FRI: 64°F | 45°F
Sunny
SAT: 80°F | 52°F
Sunny
SUN: 84°F | 62°F
Sunny

Volume 131, Number 43

tech.mit.edu

Friday, October 7, 2011

Sam Allen looks forward to 2 years as faculty chair

Plans for IAP, undergrad advising review

By Jaya Narain

On July 1, Samuel M. Allen PhD '75 succeeded Tom A. Kochan as the chair of the faculty.

Allen, a professor in the Department of Materials Science and Engineering, has been chair-elect since May 2010. He will serve as the chair for two years.

In his new role, Allen heads the Faculty Policy Committee, which oversees and coordinates between the 11 faculty standing committees. The standing committees are responsible for formulating policies on various aspects of student and faculty life.

Allen says that as Chair of Faculty, he is in a unique position at the interface between MIT's senior leadership, faculty, and students. His biggest goal as chair is to use the position

to "make sure that communication channels from one level to another are fairly open."

Allen — who meets regularly with members of the Undergraduate Association — said that he wants to ensure that students, faculty, and the administration can communicate effectively on issues that affect the Institute as a whole.

For instance, the Faculty Policy Committee is currently working on a review of the Independent Activities Period. When IAP was initially established, said Allen, it was intended to be an informal exploratory period and no for-credit activities were offered. Since then, for-credit IAP classes, and a policy that allows departments to require that their students take classes offered only during IAP,

Allen, Page 10

Postdocs get an independent voice in new self-government

Postdoctoral Association to replace Advisory Council

By Anne Cai

ASSOCIATE NEWS EDITOR

Postdoctoral researchers at MIT have decided to take matters into their own hands. Postdocs will be represented by the new, autonomous Postdoctoral Association (PDA) instead of the Postdoctoral Advisory Council (PAC), which was organized by the office of the vice president for research. The move gives MIT postdocs an organization more similar to the Undergraduate Association or the Graduate Student Council.

The independent PDA was the result of a year-long effort by members of the PAC, spearheaded by PDA Founding President Paulina S. Hill. The PDA aims to support the over 1100 postdoctoral researchers at MIT, said founding officer Leon M. Bellan.

The PDA was officially formed last month, but the PAC will continue to exist until at least the end of the year.

Postdocs and faculty agree that the change is a necessary one, since there was previously no ground-up association like

the GSC or the UA.

"I have a lot of trust in Paulina Hill and the other board members," wrote PAC member Dr. Anne W. Omta in an email to *The Tech*. She and other postdocs point to their passive role in the PAC as the main problem with that organization — monthly meetings, generally over lunch, were coordinated by the office of the vice president for research. The new PDA is structured differently, with organizational power held by a board of postdocs.

"The advisory council was a casual group of people that was run out of the office of the Vice President for Research," said Associate Dean of Science Hazel L. Sive. "It wasn't really a postdoc-run group."

And with the PDA in place, policy initiative will come directly from postdocs.

New initiatives

In the few weeks since the official launch of the organization, the PDA has discussed several initiatives.

PDA, Page 9

Steve Jobs leaves legacy of innovation and leadership

Apple co-founder transformed digital experience

By John Markoff

THE NEW YORK TIMES

Steven P. Jobs, the visionary co-founder of Apple who helped usher in the era of personal computers and then led a cultural transformation in the way music, movies, and mobile communications were experienced in the digital age, died Wednesday. He was 56.

The death was announced by Apple, the company Jobs and high school friend Stephen Wozniak started in 1976 in a suburban California garage.

A friend of the family said that Jobs died of complications from his long battle with pancreatic cancer, with which he waged a long and public struggle, remaining the face of the company even as he underwent treatment. He continued to introduce new products for a global market in his trademark blue jeans even as he grew gaunt and frail.

He underwent surgery in 2004, received a liver transplant in 2009 and took three medical leaves of absence as Apple's chief executive before stepping down in August and turning over the helm to Timothy D. Cook, the chief operating officer. When he left, he was still engaged in the company's affairs, negotiating with another Silicon Valley executive only weeks earlier.

By then, having mastered digital technology and capitalized on his intuitive marketing sense, Jobs had largely come to define the personal computer industry and an array of digital consumer and entertainment businesses centered on the Internet. He had also



BEN STANFIELD

Steve Jobs, in his characteristic blue jeans and black turtleneck, gives one of his famous keynote addresses.

become a rich man, worth an estimated \$8.3 billion.

Tributes to Jobs flowed quickly Wednesday evening, in formal statements and in the

Steve Jobs, Page 9



ARTHUR PETRON—THE TECH

An impromptu memorial for Steve Jobs has sprung up on his granite tile in Kendall Square's Entrepreneur Walk of Fame.



CHRISTOPHER A. MAYNOR—THE TECH

Economy Hardware still empty

Economy Hardware — formerly the value hardware store of choice for many MIT students — still seems to be "spring cleaning." Though it began renovations last December, a store representative said that Economy Hardware plans to reopen its location in Central Square by the end of this month. The store originally hoped to be open this spring.

Some of the space Economy Hardware used to occupy now belongs to Cambridge Community Television (CCTV), which moved in this July.

In January, Larry Friedman, owner of Economy Hardware, told *The Tech* that the store was not reducing its floor space because of the bankruptcy protection filed earlier in 2010. His business has been in the area for over 60 years, and he was simply looking to streamline it, he said. Friedman did not return several

Hardware, Page 9

IN SHORT

Today is Add Date. It's the last day to add a class or drop a class without record. How many classes will you add?

MIT is No. 7 in the *Times Higher Education* World University Rankings.

The externship application deadline is extended to Oct. 12. Visit <http://alum.mit.edu/students/externships> to apply.

Sign up for senior yearbook pictures at <http://www.photoappointment.com/>.

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

TEA PARTY SHOWS TRUE COLORS

Audiences at debates are even more shocking than the candidates.

OPINION, p. 4

IN THE SHADOW OF THE MFA ...

Is the Isabella Stewart Gardner Museum. Check it out! **ARTS, p. 8**

IS RUSH TOO RUSHED?

Maybe so, but it's still a good time. **OPINION, p. 4**



THE TECH IS MADE ON MACS

From writing to editing to laying out pages, *The Tech* owes it to Apple.

ENJOY THE FOUR-DAY WEEKEND!

The weather's going to be nice, but getting out of town could also be fun.

SECTIONS

World & Nation ... 2
Opinion ... 4
Fun Pages ... 6
Arts ... 8
Sports ... 12



Chairman
Joseph Maurer '12

Editor in Chief
Ethan A. Solomon '12

Business Manager
Greg Steinbrecher '12

Managing Editor
Connor Kirschbaum '13

Executive Editor
Aislyn Schalck '13

NEWS STAFF

News and Features Director: Pearle Lipinski '12; **News Editors:** Jingyun Fan '12, Robert McQueen '12, Jessica J. Pourian '13; **Features Editor:** Ana Lyons '12; **Associate News Editors:** Margaret Cunniff '13, Anne Cai '14, Derek Chang '14, Deborah Chen '14, Stan Gill '14, Rebecca Han '14, Leo Zhou '14; **Staff:** John A. Hawkinson '98, Arkajit Dey '11, Liz Tsai '11, Danielle Gorman '12, Ziwei Hao '12, Jiyeon Baek '13, Joy E. Lee '13, Divya Srinivasan '13, Aparna Sud '13, Evan Moore '14, Clara Park '14, Isabella Wei '14, Janelle Mansfield '15; **Copy Editors:** Bruno B. F. Faviero '15, Laura E. Forte '15, Adam R. Suhl '15, Emily E. TenCate '15, Kali Xu '15; **Meteorologists:** Allison A. Wing G, Vince Agard '11, Roman Kowch '12, Shaena Berlin '13.

PRODUCTION STAFF

Editors: Judy Hsiang '12, Stephanie L. Ku '14, Sarah Ritter '14; **Staff:** Fareeha Safir '13, Ben S. Frank '14, Ian M. Gorodisher '15, Syler Wagner '15; **Illustrators:** Monica Gallegos '11, Robin L. Dahan '12, Rachel Fong '12, Alison Malouf '12.

OPINION STAFF

Editors: Nina Sinatra '12, Ryan Normandin '13; **Associate Editor:** Andy Liang '14; **Staff:** Florence Gallez G, Ronan Killian McGovern G, Alejandro Rogers B. G, Keith A. Yost G, Vinayak Ranade '09, Kavya Joshi '12, Rachel C. Bandler '13, Nils Molina '14, Mike Veldman '14.

SPORTS STAFF

Editors: David Zhu '12, Shelley Ackerman '13; **Associate Editor:** Sarah Weir '14; **Staff:** Michael Gerhardt '12, Zach Hynes '12, Nydia Ruleman '12, Carlos Greaves '13, Russell Spivak '13, Nidharshan Anandasivam '14.

ARTS STAFF

Editor: Kathryn Dere '13; **Associate Editor:** Samuel Markson '12; **Staff:** Bogdan Fedeles G, Joanne Y. Shih '10, Philipp Diesinger '11, Jeff Z. Chen '12, Maggie Liu '12, Yu Linlin Huang '13, Emily Nardon '13, Jenny Xie '13, Natthida Wiwatwicha '14, Carolyn Zhang '14.

PHOTOGRAPHY STAFF

Editors: Jessica Liu '13, Sam Range '13, Jessica L. Wass '14; **Associate Editors:** Elijah Mena '13, Christopher A. Maynor '15; **Staff:** Melissa Renée Schumacher G, Manohar Srikanth G, Scott Johnston '03, Biyeun M. Buczyk '10, William Yee '10, Yuanyu Chen '12, Nicholas Chornay '12, Meng Heng Touch '12, Feng Wu '12, Arfa Aijazi '13, Elizabeth D'Arienzo '13, Samira Daswami '13, Tiffany Huang '13, Vivek Dasari '14, Jennifer Wang '14, Andrew Swayze.

CAMPUS LIFE STAFF

Editor: Joanna Kao '13; **Associate Editor:** Deena Wang '14; **Staff:** Christine Yu '11, Maeve Cullinane '12, Paul Woods '13, Amanda Aparicio '14, Nazia Chowdhury '14; **Cartoonists:** Joshua Meisel G, Emily Ruppel G, Irving E. Wang G, Michael Benitez '12, Elise Stave '13, Ramya Swamy '14, Timothy Yang '15.

BUSINESS STAFF

Advertising Manager: Moya Chin '13; **Operations Manager:** Jennifer Fong '13; **Staff:** Mark Thompson '11, Wendy Cheng '13, Emmanuel Carrodegus '14.

TECHNOLOGY STAFF

Director: Quentin Smith '10; **Staff:** Maja R. Rudolph '13, Alex Chernyakhovskiy '14.

EDITORS AT LARGE

Contributing Editors: Jeff Guo '11, Maggie Lloyd '12, Michelle E. Szucs '14; **Senior Editors:** Brian Hemond G, Charles Lin G, Satwiksai Seshasai G, David M. Templeton '08, Steve Howland '11, Vibin Kundukulam '11, Michael T. Lin '11, Natasha Plotkin '11, Elijah Jordan Turner '11, Sherry Yan '11.

ADVISORY BOARD

Karen Arenson '70, Paul E. Schindler, Jr. '74, V. Michael Bove '83, Barry S. Surman '84, Robert E. Malchman '85, Deborah A. Levinson '91, Jonathan E. D. Richmond PhD '91, Karen Kaplan '93, Saul Blumenthal '98, Frank Dabek '00, Daniel Ryan Bersak '02, Eric J. Cholankeril '02, Jordan Rubin '02, Nathan Collins SM '03, Keith J. Winstein '03, Akshay R. Patil '04, Tiffany Dohzen '06, Beckett W. Sterner '06, Marissa Vogt '06, Andrew T. Lukmann '07, Zachary Ozer '07, Austin Chu '08, Michael McGraw-Herdeg '08, Omari Stephens '08, Marie Y. Thibault '08, Ricardo Ramirez '09, Nick Semenkovich '09, Angeline Wang '09, B. D. Colen.

PRODUCTION STAFF FOR THIS ISSUE

Editors: John A. Hawkinson '98, Connor Kirschbaum '13, Ben S. Frank '14, Stephanie L. Ku '14; **Copy Editors:** Bruno B. F. Faviero '15, Laura E. Forte '15, Adam R. Suhl '15.

The Tech (ISSN 0148-9607) is published on Fridays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer by The Tech, Room W20-483, 84 Massachusetts Avenue, Cambridge, Mass. 02139. Subscriptions are \$50.00 per year (third class). **POSTMASTER:** Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. **TELEPHONE:** Editorial: (617) 253-1541. Business: (617) 258-8324. Fax: (617) 258-8228. **Advertising, subscription, and typesetting rates available.** Entire contents © 2011 The Tech. Printed on recycled paper by Mass Web Printing Company.

Why moving farther right is so wrong

By Ryan Normandin
OPINION EDITOR

By this point, it is no secret that the Republican field of presidential candidates is not ideal (and that's being generous). But the flaws of the party have made themselves apparent not only in the candidates, but also in the voters. The positions of the candidates and the disgusting responses of the audience at the Republican debates have put on full display just how far to the right the Tea Party has driven the GOP.

During the first Republican debate, NBC's Brian Williams addressed Gov. Rick Perry with the following: "Your state has executed 234 death row inmates, more than any other governor in modern times." The response of the audience was to cheer and whistle more enthusiastically than at any other point that night. Regardless of your stance on the death penalty, there is no excuse for celebrating the death of a human being. Apparently the Tea Party disagrees, however, because a similar situation played out at the second debate when Ron Paul was asked how society should respond if a healthy adult man who decided not to purchase health insurance suddenly goes into a coma and needs intensive care for six months. Paul, with his usual libertarian gusto, said that the government should not be involved.

"That's what freedom is all about, taking your own risks," he declared. When the moderator pushed Paul further, inquiring if society should just let him die, loud cheers of "Yeah!" followed by laughter echoed throughout the room.

A YouTube clip of a gay soldier asking a question about Don't Ask Don't Tell was played at the third debate, and the audience excitedly took part in booing the soldier who had risked his life fighting for his country.

Statistically speaking, the individuals who are most politically involved and most likely to attend a partisan debate are the most ideologically extreme and emphatic. So the extremism present in the

audience is not necessarily representative of the larger GOP voter base. An interesting thing to note, however, is how the candidates responded to their audiences in each of these three situations. After all, the candidates are running to represent the country as a whole, not just the far right.

Texas Governor Rick Perry has said, 'We're the party of life. We ought to be coming up with ways to save lives.' Unfortunately, Perry ignored those words 234 times.

Yet one would never guess this based on their reactions. When Williams asked Perry about the audience's cheering for Perry's execution record, he said, "I think Americans understand justice. I think Americans are clearly, in the vast majority of cases, supportive of capital punishment." Perry is correct, statistically speaking, but this dodges the question of the audience's response. One can be in favor of the death penalty just as one can be in favor of a war, but death is not something this country celebrates. It is shameful that Perry did not state at the very least that he thought the audience's response was inappropriate. And ironically, in response to the cheering at the second debate for letting an uninsured man die, Perry said, "We're the party of life. We ought to be coming up with ways to save lives." Unfortunately, Perry ignored those words 234 times.

Ron Paul responded more humanely. When the audience cheered that the uninsured man should be left to die, Paul said, "No," noting that no one was ever turned away from a hospital. But for the third debate, the candidates were back to shaming themselves, as Santorum completely

ignored the booing of the soldier — answering the question as though he hadn't heard it. The strongest words to come from the candidates in response to the booing were "unfortunate" from Huntsman and "very unfortunate" from Perry — but they only said so after the debates. Once again, it is the height of irony that a candidate like Perry can use strong, colorful (and largely inaccurate) language attacking social programs, but when responding to booing at an American soldier, the best he can muster is "very unfortunate."

And though the audiences at the debates are not representative of the Republican Party as a whole, they are representative of a trend within the party. These audiences have always been the most ideologically "pure" branch of the GOP, but never before have their responses been so radical. It's indicative of the fact that just as the far right is going even further to the right, the rest of the party is also moving in that direction. This trend was clear during the debt ceiling debacle when the Republican leadership had to make the unreasonable demand of no tax increases to satisfy the desires of the Tea Party.

Indeed, the Tea Party's influence is now a concern for more moderate GOP candidates, forcing them to take more right-wing stances than they otherwise would.

The solution to this problem is simple. During primaries, moderate Republican voters need to buck the statistical trend and turn out en masse to vote for a candidate who believes in science, does not want to completely dismantle the federal government, and actually has empathy. And during the presidential and congressional elections next year, the Tea Party should be voted out. They have been a hindrance to compromise and bipartisanship, and most of their proposals show complete thoughtlessness for other lives. We need a more moderate, rational atmosphere in which to pass policy and to steer this country through continued economic hardship, and the only place the Tea Party is steering us is off a cliff.

Rush is good — but too rushed

Even though there are constraints, more time is always better

By Hal Anil

At the end of orientation, we all experienced the frantic week known as Rush. Many things have been written regarding the Rush process, including statistics on the number of men who have received bids and accepted them (369 and 321, respectively, as of two weeks ago). Most men who pledged did so because they felt that they got along very well with their fraternity brothers.

A pledge means a commitment that

you will uphold the values of your fraternity, respect your brothers, and share a common living space with them for the three following years (not counting freshman year — freshmen are not allowed to move into their fraternities until they are sophomores). I hope I'm stressing the magnitude of this commitment well enough, because it isn't to be taken lightly: a week, at least from my perspective, seems quite short to make such an important decision. And for the sake of being forthright, I have to state that after a

week of intense Rush, I've also earned my place among the 321 pledges. However, had I felt the slightest foreboding, I would not have pledged anywhere. Not everyone may be willing to draw such a sharp line and, as a result, may not be happy with their choice. Worse yet, they could end up de-pledging — something that is definitely frowned upon by the brothers of a fraternity and constitutes a tedious process in which you basically say "no" after

Rush, Page 5

CORRECTIONS

Last Friday's article on the Ig Nobel Prize Ceremony ambiguously referenced "Epsilon Sigma Pi," which is actually the Educational Studies Program (ESP). ESP is not

a Greek organization. Additionally, though a group of ESP-affiliated students were at the Prize Ceremony, it was not an official Ig Nobel delegation.

OPINION POLICY

Editorials are the official opinion of *The Tech*. They are written by the Editorial Board, which consists of Chairman Joseph Maurer, Editor in Chief Ethan A. Solomon, Managing Editor Connor Kirschbaum, Executive Editor Aislyn Schalck, and Opinion Editors Nina Sinatra and Ryan Normandin.

Dissents are the signed opinions of editorial board members choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@tech.mit.edu. Hard copy submissions should be addressed to The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. *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 also be posted on *The Tech's* Web site and/or printed or published in any other format or medium now known or later that becomes known. *The Tech* makes no commitment to publish all the letters received.

Guest columns are opinion articles submitted by members of the MIT or local community.

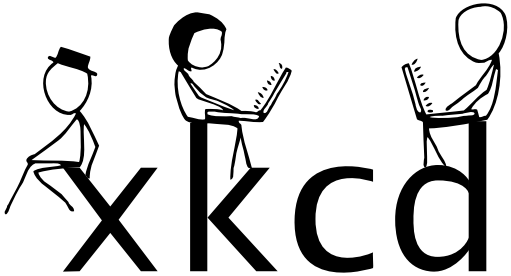
TO REACH US

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@tech.mit.edu, and it will be directed to the appropriate person. You can reach the editor in chief by e-mailing eic@tech.mit.edu. Please send press releases, requests for coverage, and information about errors that call for correction to news@tech.mit.edu. Letters to the editor should be sent to letters@tech.mit.edu. The Tech can be found on the World Wide Web at <http://tech.mit.edu>.

Arthursaurus Rex by Ramya Swamy



[960] Subliminal



A WEBCOMIC OF ROMANCE, SARCASM, MATH, AND LANGUAGE

by Randall Munroe



ALL I SEE IS GUY FAWKES WATCHING WILLIE MAYS CATCH A FLY BALL WHILE AN ARMORED ASSAULT VEHICLE ROLLS PAST.

...YOU EITHER NEED MORE MEDICATION OR LESS. NOT SURE WHICH.



Once you see it, you can't help seeing it every time. Until your body finishes metabolizing the mushrooms.

Sudoku

Solution, page 8

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

Techdoku

Solution, page 8

20+			2-	1-	
1		4			5
4		60x			6x
1-			6x		
1-		8+		32x	
2+			3		6

ARTS AROUND TOWN

Staying in Boston this weekend?

Immerse yourself in (tasteful) art at the Gardner

By Angelique Nehmzow

In celebration of the Red Sox winning the American League in 1912, a distinguished woman attended a performance of the Boston Symphony Orchestra touting a headband with, "Oh, You Red Sox" splashed across it and caused quite a stir in the media. This is one of many stories, both true and false, about Isabella Stewart Gardner, or "Mrs. Jack." She did nothing to deny or affirm these claims about her, and is often quoted as saying, "Don't spoil a good story by telling the truth."

'If I ever have any money of my own, I am going to build a palace and fill it with beautiful things.'

—Isabella Stewart Gardner
MUSEUM FOUNDER

A truly fascinating woman and one of the legends of her time, Gardner was an

art collector, a leading patron of music and the arts, and a philanthropist. She loved adventure, and traveled extensively around Europe, the Middle East and Asia, where she acquired many of her art pieces. She was also very sociable, and frequently wrote letters and hosted parties. Her correspondents and guests included renowned authors, artists, and musicians such as Henry James and John Singer Sargent.

While Gardner was still a girl, she wrote in a letter to a friend that, "If I ever have any money of my own, I am going to build a palace and fill it with beautiful things." Fortunately, she was able to realize this dream when she opened Fenway Court in 1903, now known as the Isabella Stewart Gardner Museum.

Gardner devoted herself to the creation of this museum. As her favorite city was Venice, the building was designed in the style of a Venetian palace. It contains a remarkable and incredibly diverse collection. All the artwork — and in this museum you soon realize that everything is a work of art — is arranged tastefully and with great care. In some cases, Gardner spent months on end perfecting the arrangement of objects within a room. She

wanted to display her treasures in a very personal way, and one that would kindle a love of art in others.

Objects in the collection range from musical instruments to fabrics, sketches, tiles, sculptures and furniture. They originate from different eras — such as the Middle Ages and the Renaissance — and from different regions, like Japan, Turkey, or Mexico. Some of the works are by such masterful artists as Botticelli, Titian, Vermeer, Rembrandt, Degas, and Matisse.

The artwork — and in this museum you soon realize that everything is a work of art — is arranged tastefully and with great care.

The result is an ever-interesting viewing experience. Visitors can lift a cloth to

Isabella Stewart Gardner Museum

Tuesday – Sunday, 11 a.m. to 5 p.m.

Admission free with MIT student ID

<http://www.gardnermuseum.org/>

peruse letters from T.S. Eliot, they can examine the incredible intricacies of a silver candle-holder, and they can marvel at ancient objects — say, a choir book from the 1400s (which is probably as heavy as I am) — the spine of which looks as though it was made from the hide of a dragon. They can also relax in the courtyard, where there are Japanese lanterns, lush vegetation, and Greek statues.

This museum inspires an appreciation of art and is a joy to explore. It reflects Gardner's personality and passion for life, and does justice to her vision for a place to enjoy art in all its forms.



An Elephant Never Forgets

These photographs were taken at the Ringling Bros. and Barnum & Bailey Circus training center, where baby elephants are pulled from their mothers, tied down with ropes, gouged with bullhooks, and shocked with electric prods.

This is the beginning of an elephant's life in the circus—a life of chains, beatings, fear, and intimidation. Please don't go to the circus.

For more info and to see behind-the-scenes footage, please visit peta2.com.



RinglingBeatsAnimals.com

PLEASE JOIN US IN A PEACEFUL PROTEST AGAINST THIS CRUELTY.

When: Wednesday, October 12, 11:45 a.m.–1 p.m.

Where: TD Garden (Meet at Legends Way and Causeway Street.)

★★★★★ **GOSLING DELIVERS A WHITE-HOT BURN OF A PERFORMANCE!**
— Ann Hornaday, *The Washington Post*

★★★★★ **GOSLING MESMERIZES!**
— Peter Travers, *Rolling Stone*

“GOSLING CRANKS UP THE INTENSITY.”
— Betsy Sharkey, *Los Angeles Times*

★★★★★
— Jessica Wedemeyer, *People*



NOW PLAYING IN THEATERS EVERYWHERE
CHECK LOCAL LISTINGS FOR THEATERS AND SHOWTIMES

Be a PENguin

write for us
e-mail join@tech.mit.edu



Solution to Sudoku
from page 6

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

Solution to Techdoku
from page 6

3	2	6	4	5	1
1	6	4	2	3	5
4	3	1	5	6	2
5	4	2	6	1	3
6	5	3	1	2	4
2	1	5	3	4	6

Jobs, 56, leaves behind most valuable tech company

Steve Jobs, from Page 1

flow of social networks, with President Barack Obama, technology industry leaders, and legions of Apple fans weighing in.

"For those of us lucky enough to get to work with Steve, it's been an insanely great honor," said Bill Gates, the Microsoft co-founder. "I will miss Steve immensely."

A Twitter user named Matt Galligan wrote: "RIP Steve Jobs. You touched an ugly world of technology and made it beautiful."

Eight years after founding Apple, Jobs led the team that designed the Macintosh computer, a breakthrough in making personal computers easier to use. After a 12-year separation from the company, prompted by a bitter falling-out with his chief executive, John Sculley, he returned in 1997 to oversee the creation of one innovative digital device after another — the iPod, the iPhone, and the iPad. These transformed not only product categories like music players and cellphones but also entire industries, like music and mobile communications.

During his years outside Apple, he bought a tiny computer graphics spinoff from director George Lucas and built a team of computer scientists, artists, and animators that became Pixar Animation Studios. Starting with "Toy Story" in 1995, Pixar produced a string of hit movies, won several Academy Awards for artistic and technological excellence, and made the full-length computer-animated film a mainstream art form enjoyed by children and adults worldwide.

Jobs was neither a hardware engineer nor a software programmer, nor did he think of himself as a manager. He considered himself a technology leader, choosing the best people possible, encouraging and prodding them, and making the final call on product design.

"He was the most passionate leader one could hope for, a motivating force without parallel," wrote Steven Levy, author of the 1994 book *Insanely Great*, which chronicles the creation of the Mac. "Tom Sawyer could have picked up tricks from Steve Jobs."

Jobs was the ultimate arbiter of Apple products, and his standards were exacting. Over the course of a year he tossed out two iPhone prototypes, for example, before approving the third and begin shipping it in June 2007.

After dropping out of Reed College, a stronghold of liberal thought in Portland, Ore., in 1972, Jobs led a countercultural lifestyle himself. He told a reporter that taking LSD was one of the two or three most important things he had done in his life. He said there were things about him that people who had not tried psychedelics — even people who knew him well, including his wife — could never understand.

Apple's very name reflected his unconventionality. In an era when engineers and hobbyists tended to describe their machines with model numbers, he chose the name of a fruit, supposedly because of his dietary habits at the time.

'For those of us lucky enough to get to work with Steve, it's been an insanely great honor.'

—Bill Gates

MICROSOFT CO-FOUNDER

Coming on the scene just as computing began to move beyond the walls of research laboratories and corporations in the 1970s, Jobs saw that computing was becoming personal — that it could do more than crunch numbers and solve scientific and business problems — and that it could even be a force for social and economic change. He was offering not just products but a digital lifestyle.

Regis McKenna, a Silicon Valley marketing executive to whom Jobs turned in the late 1970s to help shape the Apple brand, said Jobs' genius lay in his ability to simplify complex, highly-engineered products, "to strip away the excess layers of business, design, and innovation until only the simple, elegant reality remained."

Steven Paul Jobs was born in San Francisco on Feb. 24, 1955, and put up for adoption by his biological parents, Joanne Carole Schieble and Abdulfattah Jandali, a graduate student from Syria who became a political science professor. He was adopted by Paul and Clara Jobs.

Jobs' wife, Laurene Powell, survives him, as do his three children with Powell, his daughters Eve Jobs and Erin Sienna Jobs and a son, Reed; another daughter, Lisa Brennan-

Jobs, from a relationship with Chrisann Brennan; and his sisters, novelist Mona Simpson and Patti Jobs.

In 1975, he and Wozniak, then working as an engineer at HP, began attending meetings of the Homebrew Computer Club, a hobbyist group that met at the Stanford Linear Accelerator Center in Menlo Park, Calif. Personal computing had been pioneered at research laboratories adjacent to Stanford, and it was spreading to the outside world.

"What I remember is how intense he looked," said Lee Felsenstein, a computer designer who was a Homebrew member. "He was everywhere, and he seemed to be trying to hear everything people had to say."

Wozniak designed the original Apple I computer simply to show it off to his friends at the Homebrew. It was Jobs who had the inspiration that it could be a commercial product.

In early 1976, he and Wozniak, using their own money, began Apple with an initial investment of \$1,300; they later gained the backing of a former Intel executive, A.C. Markkula, who lent them \$250,000. Wozniak would be the technical half and Jobs the marketing half of the original Apple I Computer. Starting out in the Jobs family garage in Los Altos, they moved the company to a small office in Cupertino shortly thereafter.

In April 1977, Jobs and Wozniak introduced Apple II at the West Coast Computer Faire in San Francisco. It created a sensation. Faced with a gaggle of small and large competitors in the emerging computer market, Apple, with its Apple II, had figured out a way to straddle the business and consumer markets by building a computer that could be customized for specific applications.

Sales skyrocketed, from \$2 million in 1977 to \$600 million in 1981, the year the company went public. By 1983 Apple was in the Fortune 500. No company had ever joined the list so quickly.

In 1980 Jobs had lured Sculley to Apple to be its chief executive. A former Pepsi-Cola chief executive, Sculley was impressed by Jobs' pitch: "Do you want to spend the rest of your life selling sugared water, or do you want a chance to change the world?"

In the wake of some disappointing sales, the two men became estranged and a power struggle ensued, and Jobs lost control of the Lisa project. He left Apple in 1985.

In 1996, after unsuccessful efforts to develop next-generation operating systems, Apple, with Gilbert Amelio now in command, acquired NeXT for \$430 million. The next year, Jobs returned to Apple as an adviser. He became chief executive again in 2000.

Once in control of Apple again, Jobs set out to reshape the consumer electronics industry. He pushed the company into the digital music business, introducing first iTunes and then the iPod MP3 player. The music arm grew rapidly, reaching almost 50 percent of the company's revenue by June 2008.

In 2005, Jobs announced that he would end Apple's business relationship with IBM and Motorola and build Macintosh computers based on Intel microprocessors.

By then his fight with cancer was publicly known. Apple had announced in 2004 that Jobs had a rare but curable form of pancreatic cancer and that he had undergone successful surgery. Four years later, questions about his health returned when he appeared at a company event looking gaunt.

Apple began selling the iPhone in June 2007. Jobs' goal was to sell 10 million of the handsets in 2008, equivalent to one percent of the global cell phone market. The company sold 11.6 million.

'Stay Hungry. Stay Foolish. I have always wished that for myself.'

—Steve Jobs

APPLE CO-FOUNDER

Although smartphones were already commonplace, the iPhone dispensed with a stylus and pioneered a touch-screen interface that quickly set the standard for the mobile computing market. Rolled out with much anticipation and fanfare, iPhone rocketed to popularity; by end of 2010 the company had sold almost 90 million units.

If he had a motto, it may have come from *The Whole Earth Catalog*, which he said had deeply influenced him as a young man. The book, he said in his commencement address at Stanford in 2005, ends with the admonition "Stay Hungry. Stay Foolish."

"I have always wished that for myself," he said.

Postdocs will have group more similar to UA or GSC

PDA, from Page 1

Some being considered include "integrating postdocs into the MIT Career Fair, enabling them to be part of the MIT Alumni network, and lowering costs for activities that are often free or significantly discounted at similar universities, such as gym membership fees," according to Bellan.

As a fledgling association representing the postdoctoral population at MIT, the PDA will have to get the word out regarding its exis-

tence and goals. Its current representatives are not elected, but are postdocs who volunteered or were recruited. Soon, Omta said, the association intends to move toward elected members so that it "represents a real constituency when advocating postdoc-related issues within the Institute."

The PDA has asked Sive and Vice President for Research Claude R. Canizares to co-chair a faculty advisory committee. Additionally, faculty are helping the PDA develop a mentoring and training plan for

postdocs and advisers, said Sive.

The PDA has five subcommittees: Advocacy, Professional Development, Community Building, Alumni Association, and Information Flow and IT Support.

"The plan for the PDA has been very well-supported, as it will help to foster a sense of community among postdocs across the Institute," wrote PDA representative Dr. Kate L. Moreau in an email to *The Tech*.

More information about the MIT PDA can be found at its website, <http://web.mit.edu/pda>.

Hardware, from Page 1

requests for comment.

Susan Fleischmann, CCTV Executive Director, said CCTV has seen no delays in Economy Hardware's move-in. However, they do not know how the store's progress is coming along.

CCTV says that their new facility has twice the number of live studios as their prior one. Thanks to their new location, CCTV has

increased their opportunities to work with local arts and cultural organizations — including new-neighbors Central Square Theater and the Dance Complex — according to their website.

Economy Hardware's two sister stores — in Boston, off the Green Line at Symphony, and in Brookline, off the Green Line at Saint Mary's — are continuing operations as usual.

—Adisa Krueyatidee

LEGATUM LECTURE

LEGATUM CENTER
FOR DEVELOPMENT &
ENTREPRENEURSHIP
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MOTHER TERESA, CEO:

UNEXPECTED PRINCIPLES FOR PRACTICAL LEADERSHIP

SPEAKER:

Ruma Bose

Co-CEO, Sprayology

Serial Entrepreneur, Investor, Philanthropist & Author



Wednesday, October 12 at 5 pm
MIT Stata Center, 32-155

Complimentary books will be given to the first 50 attendees!

FREE and OPEN TO THE PUBLIC

<http://legatum.mit.edu/lectures>

Be the first on campus to get the news.
Stay informed...

Get headlines and breaking stories
from *The Tech* straight to your email!



Add yourself to this low traffic (2–3 emails/wk) list at
<http://tech.mit.edu/headlines>



Sweets for Needs

MIT China Care's 1st Annual Dessert Fundraiser

When: Saturday, October 8, 8pm - 10pm

Where: MIT Student Center (W20) La Sala de Puerto Rico

Ticket Price: \$5 presale, \$7 at door

Ticket Sales: Oct 3 - Oct 7, Lobby 10 Booth

Come enjoy performances by MIT Student groups with raffles in between, an auction, and lots of delicious desserts!

All proceeds from this event will go towards funding surgical procedures for Chinese orphans.

帮助中国孤儿 / 幫助中國孤兒



MIT CHINA CARE Club

chinacare-exec@mit.edu
http://chinacare.scripts.mit.edu/

UA

Performers
Include:
Ballroom Dance Club
Lion Dance Club
Roadkill Buffet
Muses

Allen to tackle IAP, undergrad advising

Allen, from Page 1

were approved.

"The question is, has IAP started in one place and evolved into a new place that makes sense, or is [it] going off track?" Allen said.

He added that any coming IAP changes will likely concern "content and style," rather than the schedule.

Allen also plans to focus on student advising and mentoring programs, particularly the freshman advising program. Allen currently teaches the freshman blacksmithing seminar and said that he hopes to "get more faculty engaged with freshman advising."

As chair of faculty, Allen is also responsible for administrative tasks such as fielding complaints from students who feel that their professors are violating term regulations.

Beyond students, Allen said that he is asking his faculty colleagues to inform him about their views so that he can try to incorporate their "broad spectrum" of perspectives into policy discussions. He said that he wanted to make sure that he was focusing on issues that were of importance to many people, rather than "things that concern me a lot but may not be of much interest to anyone else."

D'Amelio trial set for Tuesday

Former MIT police officer Joseph D'Amelio is going to trial next Tuesday in Suffolk Superior Court for trafficking prescription painkillers.

D'Amelio was arrested in uniform in March 2009 when Boston Police caught him dealing OxyContin and Roxicodone pills — both of which contain oxycodone — in East Boston. At his arraignment, D'Amelio was charged with trafficking more than 100 grams of oxycodone, a Class A substance — an offense which carries a sentence between 10 and 20 years in state prison. He was released later that month on a bail of \$75,000, reduced from \$500,000, and placed on house arrest with electronic monitoring. D'Amelio's trial has been

scheduled twice previously — Sept. 28, 2010 and Aug. 30, 2011, but both were cancelled. Since the 2010 date, there have been three conferences for status review, the latest on Sept. 21 of this year.

Jake Wark, press secretary at the Suffolk County District Attorney's Office, said the long pre-trial timeframe is not unusual. In Massachusetts, trial schedules are handled according to the complexity of the case as deemed by the judge of the arraignment. Because high level narcotics were involved in this case, both the prosecutors and defendants were given ample time to prepare the best case possible, he said.

—Adisa Kruayatiide

MIT Foreign Languages & Literatures

January Scholars in France, Jan. 9-23, 2012

21F.314: Topics in Interculturalism (IAP Study Abroad)
Understanding Contemporary France through its Political Landscape



Starting with the upcoming French presidential elections, students will examine the French political landscape, including its institutions and particularities. Through readings, lectures and on-site visits, they will also explore the historical roots of issues on the contemporary French political scene.

Application Information

MIT's Foreign Languages and Literatures invites undergraduates to apply for the January Scholars in France program.

21F.314 is a 6-unit subject, conducted entirely in French, and will allow up to 14 students to experience two weeks of cultural immersion in Paris during IAP 2012, January 9-23.

Application deadline is October 18, 2011.

For more information and application forms, go to web.mit.edu/jsf or to FL&L's main office (14N-305).

THE LEGATUM CONVERGENCE

presented by the Legatum Center at MIT

October 27-28, 2011

E14, MIT Media Lab Complex

This annual conference explores the challenges and opportunities entrepreneurs encounter in developing countries

INTERESTED?
50% OFF

50% OFF the MIT student registration fee of \$55.00 will be awarded to a limited number of MIT students who inspire us.

By October 14th, send us an email expressing your vision of entrepreneurship. In 25 words or less, complete this:

"I believe entrepreneurship in emerging countries is...."

Send your email to legatum@mit.edu. Those receiving the 50% discounted admission will be notified by October 18th.

http://legatum.mit.edu/conference2011_registration

SMBC, from Page 6



EVENTS

WEDNESDAY 10/12

COME OUT AGAIN IN LOBBY 10

With a life-size closet for people to "come out" for the first or nth time. Educating and making the public aware of what it's like to come out, this booth will help LGBTQ people share their experiences with their peers. Free and open to everyone.

10am-4pm in Lobby 10

THURSDAY 10/13

COMING OUT IN COMMUNITIES OF COLOR

An aspiring-collaborative event that will ask students to discuss and learn about the intersections of race, sexual orientation, and gender identity/expression. Come see what it's like for people to come out in minority communities.*Food will be provided. Free and open to everyone.

7pm in Room 4-163

FRIDAY 10/14

COMING OUT STORYTELLING

Whether you want to share your story or hear about others', come to this sure-to-be heartwarming event to add to the discussion and lend a listening ear to your peers. Dinner provided. Free and open to everyone.

6pm in the Rainbow Lounge 50-005

BIG GAY PARTY

Right in the middle of Gaytober, you're invited to the GAYEST party ever. FREE admission. Open to all MIT students. In Senior Haus basement. Live music from bands TBA. Also, we will have a professional gay impersonator (Lady Gaga?!) performing. More info at tinyurl.com/outatmit

9pm - 1am Senior Haus Basement



Sailing takes 8th at Danmark Trophy

By Mindy Brauer
DAPER STAFF

The nationally-ranked No. 11 MIT coed sailing team captured eighth place out of 20 squads at the Danmark Trophy while its entries finished in fourth and fifth place at the Charles River Invitational this past weekend. In addition, team member Hanna M. Vincent '13 secured 10th place at the New England Women's Singlehanded Championship.

Hosted by the U.S. Coast Guard Academy, the two-day Danmark Trophy featured fluctuating wind conditions that resulted in the completion of 13 rounds of action. The B Division boat comprised of junior skipper Andrew Z. Sommer '13 and

senior crew Stephanie A. Tong '12 clinched third place behind the strength of 11 top 10 performances, including a victory in the fourth round. Eamon M. Glackin '12 and Kelden M. Pehr '13 collaborated for 14th place in the A Division as they cracked the top 10 on five occasions.

Hobart and William Smith Colleges won the event while Tufts, Yale, Connecticut College, and Wisconsin rounded out the top five.

The wind was less favorable for the Charles River Invitational as it yielded only five races on Sunday. MIT's entries, the "Engineers" and the "Beavers," placed fourth and fifth, respectively, out of 15 teams. For the Engineers, senior Javier E. Ramos '12 and sophomore Leo Zhou

'14 used a trio of fifth-place performances to rank sixth in the B Division. Senior Neil T. Forrester '12 and sophomore Keren Gu '14 finished in the top 10 in all five rounds, including a third-place performance in their last outing, to clinch seventh in the A Division.

The Beavers' A Division boat of freshmen Nicholas W. Paggi '15 and Samantha C. Albright '15 generated four top 10 placements en route to a sixth-place finish as the pair was fourth and second in the first two rounds. Fellow classmates Zachary H. Drach '15 and Sara E. Falcone '15 opened the day by placing 10th and then alternated sixth- and eighth-place rankings to finish seventh in the B Division.

Vermont took top honors with 31 points, followed by Boston University (34), Bowdoin College (61), the Engineers (70),

and the Beavers (74).

Vincent was MIT's lone representative at the New England Women's Singlehanded Championship hosted by Yale University. Despite inconsistent wind on the Long Island Sound, she registered six top 10 performances to place 10th out of 15 competitors. Vincent kicked off the weekend by ranking seventh in the first two rounds, sixth in the next rotation, and fifth in the fourth race. She tacked on another sixth-place finish before capturing fourth in the 11th outing of the regatta.

On Saturday, the Cardinal and Gray were slated to host the Professor George Warren Smith Trophy, but poor wind conditions resulted in the cancellation of the event.

This weekend, the team will host its Alumni Race, the Brass Rat/Sir Ian McFarlane Regatta.

MIT wins against Babson

Babson College Beavers fall to Volleyball, MIT improves to 17-5

By Paul Dill
HEAD COACH

In a NEWMAC women's volleyball match on Tuesday night, host MIT defeated Babson College 25-18, 25-19, 25-13. With the win, the Engineers improved to 17-5 on the year and 3-2 in conference while the Babson Beavers dipped to 11-7 overall and 2-3 in the NEWMAC.

Kristine A. Bunker '14 racked up nine blocks to go along with five kills for MIT. Kelly E. Schulte '12 posted seven kills and five blocks while fellow classmate, Cecily L. Joujon-Roche '12 added seven kills and three blocks. Rachel A. Hunt '14 bolstered the attack with five kills as Nicole C. Gagnier '15 tallied 26 assists and three blocks. Katie K. Spielbauer '13 paced the defense with 13 digs while Tatiana Berger '14 contributed five digs. Natasha H. Jensen '12 earned three aces as sophomore Sharon S. Hao registered four digs and two aces.

Babson went up 3-2 in the opening set, but a pair of kills from Schulte and a block with Bunker put the Engineers ahead for good. Babson stayed within striking distance for most of the frame as two kills and a block narrowed the gap to one (14-13). MIT responded with a block by Bunker, a kill from Hunt, and collaboration from both on a block which resulted in a timeout by Babson. After the break, both sides exchanged points until the Cardinal and Gray generated a 6-1 run for set point. A serving error and block kept the visitors alive at 24-18; however, a strike from Gagnier ended the game.

In the second set, MIT quickly created a 5-1 lead which Babson gradually trimmed to 9-7. The Engineers countered with an 8-1 run that was followed by a 7-3 spurt from the visitors. The hosts rattled off four consecutive points for a 24-15 advantage. Babson replied with four of its own, capitalizing on a pair of miscues. MIT ended the Beavers' late rally on the ensuing serve when Berger's kill off the Beavers' block sailed out of bounds.

A serving error and three kills put Babson in front, 4-2, in the final frame. The Engineers responded by scoring nine of the next 10 points to secure the lead. Following a timeout by the visitors, an exchange of serves helped bring the Beavers within five (13-8). This was as close as it would get as MIT finished out the match with an 11-4 run, clinching the win on freshman Morgan Stewart's first swing of the night.

The Engineers' next match will be at Babson College next Tuesday.

THE MIT LIST VISUAL ARTS CENTER PRESENTS
THE MAX WASSERMAN
FORUM ON CONTEMPORARY ART

PRESENT PAST:

CONTEMPORARY ART AND THE USES OF HISTORY

PANELISTS:
Matthew Buckingham
Jaleh Mansoor
Dieter Roelstraete
Danh Vo

MODERATOR:
Tim Griffin

The Forum is free and open to the public.
For more information please call 617 452 3586
or visit <http://listart.mit.edu>

SUNDAY, OCTOBER 9, 3PM
MIT Building 10, Room 250

UPCOMING HOME EVENTS

Saturday, Oct. 8

Brass Rat/Sir Ian McFarlane Regatta 9:30 a.m., Charles River
Men's Soccer vs. Babson 12 p.m., Steinbrenner Stadium
Field Hockey vs. Wheaton 1 p.m., Jack Barry Field
Women's Tennis vs. Springfield 1 p.m., DuPont Courts
Men's Water Polo vs. Brown 6 p.m., Z-Center Pool

Sunday, Oct. 10

Brass Rat/Sir Ian McFarlane Regatta 9:30 a.m., Charles River

We get you the tickets.
You get us the review.

ARTS at *The Tech*
Established 1881

events • movies • theater • concerts
music • books • restaurants • interviews

join@the-tech.mit.edu

MIT-ISRAEL INFORMATION SESSION



START-UP NATION

Tuesday, October 11, 5-7pm
1 Amherst Street, E40-4th floor

Discover opportunities for internships and research in Israel — ALL EXPENSES PAID!
NO LANGUAGE COURSE REQUIREMENT
Learn about the application process, hear from Prof. Christine Ortiz, MIT-Israel Faculty Director and Dean for Graduate Education, and speak with returning interns

mit.edu/misti/mit-israel

MISTI MIT ISRAEL

Solution to Crossword

from page 7

J	A	I	L	S	C	R	A	M	Q	T	I	P		
A	L	B	A	H	A	I	F	A	V	O	T	E		
W	E	A	T	H	E	R	F	O	R	E	C	A	S	
S	E	R	V	E	P	E	R	I	L	D	Y	E		
		I	D	O				L	I	L				
B	R	O	A	D	W	A	Y	M	U	S	I	C	A	L
A	H	L	A	L	L	O	Y	E	M	O	T	E		
N	O	O	K	S	O	U	N	D	B	R	E	T		
A	D	R	E	M	A	N	A	I	S	E	A	U		
L	A	D	Y	A	N	D	T	H	E	T	R	A	M	P
				S	N	O				T	R	U		
P	E	Z	I	T	A	L	Y	A	D	L	A	I		
R	A	I	N	C	A	T	S	A	N	D	D	O	G	S
E	R	M	A	T	R	A	L	A	E	V	E	N		
S	N	A	P	E	A	T	E	N	R	E	S	T		