Meet Anantha Chandrakasan
From Berkeley researcher to EECS department head

Booths & Careers

Tech startups take to MIT for Bootcamp
Hi-tech startup founders seek to advise and inspire

By Deborah Chen
ASSOCIATE NEWS EDITOR

Hundreds of people from the MIT and Boston community flocked to Kresge Auditorium last Saturday as the founders of Dropbox, Quora, Foursquare and seven other tech companies took the stage at the 3rd annual Startup Bootcamp at MIT. The event featured a marathon of talks and presentations from well-known figures in the high-tech startup industry.

Michael V. Grinich ’11, who founded and organized the first MIT Startup Bootcamp, was dissatisfied with the entrepreneurship opportunities available at MIT when he was a sophomore. "Three to five years ago, when I first started thinking about this event, there was this frustration that MIT wasn’t really having the same level of dialogue about startups as some other universities," Grinich said.

Grinich said that he believes the event is an important part of the startup ecosystem at the Institute. "I wanted to throw an event that would bring lots of different people together and get people talking about startups," he added.

Over the past few years, Grinich said, the event has already inspired some attendees to form their own companies. "By my last count, a couple dozen people have emailed me saying they’ve started their own companies, just by meeting other people at the event."

"Startup Bootcamp is almost like a meta-startup in that sense. I mean, if 9 out of 10 startups fail, and 300 companies are created, then 30 of them will be successful," Grinich added.

Novartis & Pfizer to move near campus
New construction to transform area in Central and Kendall Squares

By Adisa Kruayatidee

Two pharmaceutical giants, Novartis and Pfizer, are getting closer to realizing their new sites. Both sites will primarily house research facilities.

Novartis’ new campus will occupy the Analog Devices lot adjacent to the Shire building. Both properties are leased from the MIT Investment Management Company. Novartis currently runs a research complex across Mass Ave. from their current site.

Last June, Novartis received a unanimous approval from the a unanimous approval from the city council for a zoning change that had been planned through the spring. Those changes included

Chile president visits MIT, tours Media Lab
Chile needs your education... startup opportunities available at MIT

By a tour of the Media Lab led by and Alexander Simonet G and Assistant Professor of Media Arts and Sciences César A. Hidalgo. Hidalgo and Simonet demonstrated their work with the Econom- ic Complexity Observatory, a collaborative project meant to develop tools that can help visualize large amounts of data for macroeconomic decision making.

Chilean President Sebastián Piñera visited the MIT Media Lab last Friday to give a speech in front of an audience consisting primarily of Chilean students in the Bos- ton area. Piñera encouraged his audience members to return to their native country, Chile, after completing their education.

Chile needs your education, the skills you’ve acquired here,” Piñera said, according to the MIT News Office. “That’s what will make a difference in our economy going forward.”

Piñera admitted that he had a "deep but healthy jeal- ousy" for the students who had the opportunity to study "at one of the best universi- ties in the world.”

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Wall Street rebounds on Europe hopes

By Joshua Brustein

Stocks on Wall Street rallied Monday after investors shrugged off some negative figures on the U.S. economy and reacted positively to unconfirmed reports that officials in Europe were developing plans to contain the continent’s fiscal crisis.

At the close of trading, the Dow Jones industrial average was up 2.5 percent, adding 27.32 points, to 10,448.66. The Standard & Poor’s 500-stock index rose 2.21 percent, or 26.21 points, to 1,192.95. The Nasdaq composite index was up 3.5 percent, or 33.46 points, to 1,038.69.

A spokesman for the European Commission confirmed that discussions were under way on plans to extend the effectiveness of the eurozone’s bailout fund, perhaps expanding the borrowing power of the fund but not the amount of money nations were contributing. But as often has been the case, European leaders Monday seemed to be expressing different perceptions of what was being discussed and how likely it was that the proposals would find support.

Even so, investors moved to buy stocks and drove down the prices of haven assets like U.S. Treasury bonds and gold. Analysts said the markets’ response showed the hunger for a political solution to Europe’s sovereign debt crisis, as well as a belief that stocks might have dropped too far in recent days.

“People woke up this morning, looked at some vaguely positive news in Europe and said, ‘You know what I’m willing to take a shot with stocks at these levels?’ said Kevin H. Kelleher, chief executive managing director and president for fixed income capital markets at Morgan Keegan & Co.

Monthly new home sales in the United States hit a six-month low in August at a seasonally adjusted annual rate of 295,000 homes, down from 302,000 in July. Prices were down 8.7 percent, the Commerce Department reported. Separately, a forecast of third-quarter earnings based on data by Thomson Reuters Corp. predicted that the earnings of S&P 500 companies would rise 15.7 percent, down from an earlier forecast of 17 percent.

Markets haveumbled in recent weeks on grim economic news. Wall Street suffered through one of its worst days of the year Thursday after the Federal Reserve said it saw “significant downside risks” to the country’s economic outlook. But analysts up on the markets have grown somewhat numb to such news.

Gold prices were down for a fifth consecutive day. They fell more than $300 before recovering to close at $1,621 an ounce, down from a peak near $1,700 on Aug. 22. Analysts attributed the drop to investors looking to buy gold as a safe-haven car but some also described it as a correction for a commodity that has reached historic highs in recent weeks. But James Stein, an analyst at HSBC, said the drop was an indication of volatility in an uncertain market, rather than a sign that the market was gold may be turning.

“The issues that pushed the market up for the last three years — the EU sovereign debt issues, our mounting debt issues, the structural problems in the dollar, and geopolitical risks — none of those have been solved in the last four days,” he said.

“That would suggest that the bull market in gold is not over”
Wangari Maathai, Nobel Peace Prize laureate, dies at 71

By Jeffrey Gettleman

NAIROBI, Kenya — Dr. Wangari Maathai, the Kenyan environmentalist, land rights activist and head of the Green Belt Movement, which she founded in 1977, in an effort to combat deforestation in Kenya, was 71.

The cause was cancer, said her organization, the Green Belt Movement. Kenyan news outlets said she had been treated for ovarian cancer in the past year and that she had been in a hospital for at least a week before she died.

Maathai, one of the most widely respected women on the continent, played many roles — environmentalist, feminist, politician, professor, rabble-rouser, human rights advocate and head of the Green Belt Movement, which she founded in 1977. In mission was to plant trees across Kenya to fight erosion and to create firewood for fuel and jobs for women.

Maathai was as comfortable in the gritty streets of Nairobi’s slums or the muddy hillsides of central Kenya as she was hobnobbing with heads of state. She won the Peace Prize in 2004 for what the Nobel committee called “her contribution to sustainable development, democracy and peace.” It was a moment of immense pride in Kenya and across Africa.

Her Green Belt Movement has planted more than 30 million trees in Africa and has helped nearly 900,000 women, according to the United Nations, while inspiring similar efforts in other African countries.

U POP is MIT’s Undergraduate Practice Opportunities Program, a unique full-year co-curricular program open to all Institute sophomores.

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info Sessions
(Free pizza!)

Tuesday Sept 27 5:30 PM 4-270
Tuesday Sept 27 7:00 PM 4-270
Wednesday Sept 28 5:30 PM 4-370

Lawyer for hikers freed by Iran denies abuse claims

The Iranian lawyer for the two U.S. hikers released on bail and repatriated last week after a two-year odyssey through Iran’s penal system appeared to distance himself from his clients in an interview published Monday, calling their accusations of mistreatment baseless and politically motivated.

The comments by the lawyer, Masoud Shafiei, were made in an interview with Iran’s Fars news agency, came a day after a news conference held in New York by the Americans, Joshua F. Fattal and Shane M. Bauer, both 29. In their first comments on U.S. soil, they provided new details about their captivity in Iran on spring and summer charges before their release on $560,000 bail each, granted Sept. 21, by Iran’s judiciary.

The Americans said their captors had regularly bludgeoned them and withheld mail sent by their families. Sometimes, they said, they heard the screams of other inmates at Tehran’s Evin Prison, where they spent 780 days.

In the Fars news agency interview, Shafiei cast doubt on the Americans’ accusations. If they had been mistreated, Shafiei was quoted as saying, “they could have raised a complaint during our court hearings.”

“If my clients contact me, as an Iranian national, I will definitely inform them of my protest at their baseless claims,” the lawyer was quoted as saying. “Why have they made such allegations when their problem has been resolved and they have left the country?”

Reached by telephone after Fars published the interview, Shafiei said some of his comments had been misconstrued. He said he was never able to consult with his clients in private and therefore did not know about their claims of mistreatment. Nonetheless, Shafiei did not deny the Fars account or say he would seek a retraction.

-Rick Gladstone, The New York Times

Sophomores: Jump-start your career!
Elizabeth Warren misses the point  
Argument in viral video ignores crucial details

By Keith Yost

In August, Elizabeth Warren, the presumptive Democratic candidate for the U.S. Senate seat currently held by Scott Brown, had this to say:

“To make a factory out there? Good for you. But I want to be clear: you moved your workers to the factory, and on the roads the rest of us paid for; you hired the workers who paid us to educate; you were safe in your factory because the roads and fire fighters that you paid for kept the rest of us safe. You didn’t have to worry that safety would be compromised, everything at your factory, and hire someone to protect against this, because of the work we do here. That is not fair. Now look, you built a factory and it turned into something terrific, or a great public good. Keep a business. But part of the underlying social contract is you take a chunk of that and pay forward for the rest of us.”

I can’t think of any Republicans who oppose police, roads, or the military, so Warre n’s defense of limited government over no government strikes me as a bit superficial. Her speech is standard fare for a political candidate: set up a straw man, and then tear it down. Under normal circumstances, Warren’s remarks would simply be ignored — there isn’t much to read into a politician speaking before a crowd of dis-ease supporters.

However, in the past few days, the Net rooters have seized upon Warren’s words to accurately term as a grandfoul defense of progressive policies. It’s clear that Warren at the heart of her ideological companions feel she is advocating a simple one, the sort you might hear in any introductory political science class. And like most simple arguments, it ignores important details. Few political theorists anywhere along the political spectrum would deny the government a role as a provider of public goods. The debate is, however, not as clear, as Warren claims, about whether the social contract should include things like roads, firefighters, or soldiers. The fight over our roads is, in fact, quite different. It is instead focused on three issues: a debate over what goods qualify as public goods, a debate over how to best provide public goods, and finally whether the government should charge for its goods based on who receives the benefit or who pays for the service.

Take education, for example. It is not entirely clear what education qualifies as a public good. Factory owners, to use Warren’s words, are the “average man, but we can rightly assume that they are not filling a quarter of our classroom space. There’s no way they could call it a public good.”

But let’s say we’ve decided (as the expert consensus on the matter does) that education is a public good. We still have the question of how to best provide it. Warren’s claim that the best way to provide education is direct public intervention will govern the way we will run the schools and allocate resources and so on. But Republicans, having seen the high expense and low performance of this arrangement over the past 60 years, put forward a different idea. Instead of direct pub lic control of the schools, why not subsidize education through school vouchers, and let the free market and self-interest work to find the most productive education formul a? Just because Republicans believe in market-oriented approaches to public goods problems doesn’t mean they are anarcho-capitalists who dispute the idea of schools themselves.

But let’s say we agree that education is a public good, and that the most efficient way to provide it is for the government to run its own school system. How do we want to pay for this school system?

Warren’s argument is a simple one, the sort you might hear in any introductory political science class. And like most simple arguments, it ignores important details.

Warren seems to be arguing for what is commonly called a “benefits-received” principle. The factory owners, having reaped the benefits of the schools, should be the ones to pay for it. This is, of course, a debate over who gets to argue for the benefits-received principle. Consider that one percent of this country pays a quarter of our federal taxes (and more than a third of its income taxes). The most highly productive workers of our society might avail themselves of more or less of the nation’s public goods than the average man, but we can rightly assume that they are not filling a quarter of our classroom space. They receive much less and, if Warren’s argument is correct, their insurance, a quarter of our unemployment systems. These are not progressive arguments; they are authoritarian formulas, operationalized in a system of elitism, not efficiency.

There are very serious debates to be had between Republicans and Democrats where, how, and with whose money our government should operate. But let us be clear: Warren, in her remarks, has completely ignored that debate. What she has put forward is a version of the public goods argument, but instead a straw man argument whose relev ance is limited to either Somalia or the first few weeks of 70s.
**GREEN EGGS AND SAM**

**Wandering the aisles**
The perils of first-time grocery shopping

By Sam Trabucco

Living away from home for the first time presents new and surprising challenges. One of those challenges became obvious pretty quickly. I’m a freshman in Burton Conner, so I don’t have a dining plan. While I don’t need to worry about the exorbitant costs of dining hall meals, I am, for the first time, responsible for feeding myself. Once I realized that I would be handing out free food, I had no other options — I needed to go grocery shopping.

But going there alone is a different sort of nightmare. When I stepped off the escalator at Shaw’s, the aisles and aisles of food and drinks were both exciting and intimidating. My mom wasn’t there pushing me around the store — I could choose what to buy myself — but, as it turns out, I was hopeless at it.

The first thing that caught my eye was a display of Milano cookies — they were on sale! Assuming “$2 for $5” to be some amazing discount, I put a package into my cart. Even though I was buying junk, at least I wasn’t spending too much money it.

But the impulse buys didn’t stop there. In the next aisle, I saw a yogurt container from third grade: apple juice. I hadn’t bought apple juice in years, and this was a full gallon — I would have enough for next week! I decided that it was worth doubling the weight of my cart and picked it up.

So, having covered “sugar,” I went over to the dairy section. “Milk is useful,” I thought. “I’ll buy half a gallon of milk.” Unaware that the expiration dates are listed right at the bottom of the display and at random — it had a little under a week left. As I proceeded down the aisle, a yoghurt with fruit on the bottom caught my eye — I considered that ingenious, and I simply had to try it.

I then walked into a random aisle and saw shelves full of cereal. “Perfect! I’ve already got milk,” I thought. Fighting the urge to buy Froot Loops and Cap’n Crunch as I once would have, I instead picked up a box of not-so-fancy Honey Nut Cheerios.

I proceeded down the cart, grabbing colorful packages off shelves, whining about how all the other kids could have whatever candy they wanted — every parent’s nightmare. The only emotion that caught my eye was a display of Milano cookies — they were on sale! Assuming “$2 for $5” to be some amazing discount, I put a package into my cart. Even though I was buying junk, at least I wasn’t spending too much money it.

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Have humorous commentary about a campus topic?
Send 500 words and a pic to cl@tech.mit.edu.

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**Events**

**TUESDAY**

(3:00 p.m. – 4:00 p.m.) How to Find a UROP — 2-132
(4:00 p.m. – 5:00 p.m.) Writing Compelling Cover Letters — 2-105
(7:00 p.m. – 9:00 p.m.) MIT Generator: Sustainability in Action — R&D Commons (Stata Center, 4th floor)

**WEDNESDAY**

(2:00 p.m. – 3:00 p.m.) Creating an Effective CV for the Academ- ic Job Search — 3-442
(6:00 p.m. – 7:00 p.m.) An Evening with Bill Bonwill, MIT Washington DC Office Director — NVBIB (Sidney-Pacific Graduate Residence)

**THURSDAY**

(4:00 p.m. – 5:00 p.m.) Into the Sky with Diamonds: book discuss- ion with author Ronald P. Grosman — E-149

**FRIDAY**

(5:00 p.m. – 8:00 p.m.) Preview Opening: 2011 Great Glass Pumpkin Patch — Kresge Oval
(7:00 p.m. – 10:00 p.m.) LSC shows Bridesmaids — 26-100

**SATURDAY**

(10:00 a.m. – 3:00 p.m.) Great Glass Pumpkin Patch — Kresge Oval
(1:00 p.m. – 3:00 p.m.) 2011 Ig Nobel Lectures by the Ig Nobel Prize Winners — 26-100

**SUNDAY**

(2:30 p.m. – 5:00 p.m.) Fall Balloon Dance Classes by MIT Balloon Dance Club — La Sala

**MONDAY**

(11:00 a.m. – 12:00 p.m.) State of the Institute Forum — Kresge Auditorium

Send your campus events to events@tech.mit.edu.
Chandrasokaran, from Page 1

Chandrasokaran's interest in circuits was sparked in his college years. When Chandrasokaran was a senior at Berkeley, he began working with Professor Ronald Bok, who became his thesis advisor.

Bok's device was designed to connect to a network and exploit its computational resources. But certain processes would still have to be computed locally on the device, requiring chips that were powerful enough to perform them but efficient enough to not drain the battery. There was only one problem: these chips didn't exist.

For the InfoPad to work, someone would have to invent them. This was the task Professor Bok, and then his graduate students Chandrasokaran and Samuel Chua, of the venture to build chip technology that would power the InfoPad.

Chandrasokaran and Cheng spent that summer trying to find a solution. In the end, they found one: parallelism — run computations on two processors at the same time to conserve energy. When the team tested their designs and they worked, Chandrasokaran knew it was something huge. He co-wrote "Low-Power CMOS Digital Design," submitting it to the IEEE Journal of Solid-State Circuits. The paper became the second-most cited paper in IEEE's Circuits and Devices Magazine.

That means overseeing undergraduate education, graduate education, and different subgroups and tasks, including graduate training and supporting faculty; preparing cases for faculty promotion, and interfacing with research labs, just to list a few.

"We want to have students — undergrads and grads — really work with us, provide suggestions, be able to walk into the department head's office or go to the gym and suggest ideas. I would be very excited about students engaging in the implementation of new initiatives."

Chandrasokaran began his term as the department head of EECS on July 1. Along with continuing his research and being an undergraduate advisor, he is now also overseeing undergraduate and graduate education, supporting faculty, and working on the strategic plan for the EECS department.

Chandrasokaran, from Page 1

The InfoPad was an idea conceptualized in the early 90s. Chandrasokaran and another graduate student worked on the technology needed for the InfoPad to perform certain processes without draining too much battery. They found their solution in parallelism, and as a result, wrote a paper that has been the second-most cited paper in IEEE's Journal of Solid State Circuits.

And on top of that, Chandrasokaran still heads his research group. Terminal 2020, which is trying to answer the question, "What is the Ipad of the future?" Ph.D. Chandrasokaran continues to be an advisor for undergraduates. "Any hobbies?" I asked him. "MIT," he responded jokingly.

As the new EECS head, Chandrasokaran wants to get one point across: he really wants to connect with students. "Any time a student wants to meet with me, I'm completely open," he said. "We want to have students — undergrads and grads — really work with us, provide suggestions, be able to walk into the department head's office or go to the gym and suggest ideas. I would be very excited about students engaging in the implementation of new initiatives."

The professor even goes as far as meeting students during his morning workouts at the Z Center around 7:45. “Actually, sometimes I invite one of my grad students. We’ve had meetings to discuss research ideas, so if students want to find me there, that’d be a great way.”

Chandrasokaran also accepts friend requests on Facebook — just as long as they’re from people at MIT. “There was a recent press article, and then a whole bunch of random people added me and I didn’t accept,” he recalled. “But if any of my students want to find me, I’d be happy to accept!”

There is definitely more to Chandrasokaran’s life than MIT. Chandrasokaran has three children — two girls, five and eight years old, and a son who is in high school. Outside of MIT, Chandrasokaran does everything from taking them to Red Sox games to watching Khan Academy videos with them.

“When I’m not here [at MIT], I like to spend time with my family,” he said. “I just like to hang out with them.”

What’s the newly minted department head’s best advice for current students? “Really be passionate about something, try to take lots of classes, and try to use every opportunity you can at MIT. There are so many different things that you can do, but try to pick the ones that you get most excited by and follow through. And have an open mind in terms of what kind of careers you could have.”
Fun Fun Fun Fun Fun

Fun
Fun
Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun

Tuesday, September 27, 2011

The Tech

Crossword Puzzle

Solution, page 11v

ACROSS
1 Attacks
6 Mandolin ridge
10 Person
14 BP merger partner
15 Not often seen, to Caesar
16 Spreadsheet reversal command
17 Defeats soundly
18 Like many Keats poems
19 Chilled, as coffee
20 Dickens hero with "papers, " as he is formally known
22 Clothed
23 The "A" in A.D.
24 More certain than not
26 Chewing gum substances
30 Office furnishing
31 Nut in a mixed nuts can
32 Airport building
36 Indian spiced tea
37 Manet’s "The Luncheon on
the Grass, " e.g.
38 "Elder" or "Younger" Roman statesman
39 Mind readers
42 More sluggish

44 County on the Strait of
Dover
45 Mussed up, as hair
46 Dover landmarks
49 Pretzel topping
50 Megastar
51 Unflattering Nixon sobriquet
52 Clarinetist’s need
53 1920s-'40s art style
54 Spring bloomer
55 French film
56 Frat party containers

48 Greek architectural style
49 Fathered

41 Like colleges with the lowest tuition, for residents
42 1845s president
43 Annual period beyond the current fiscal one
44 County on the Strait of Dover
45 Mussed up, as hair
46 Dover landmarks
49 Pretzel topping
50 Megastar
51 Unflattering Nixon sobriquet
52 Clarinetist’s need
53 1920s-'40s art style
54 Spring bloomer
55 French film
56 Frat party containers

DOWN
1 Hurt
2 Latin love
3 Chowder or bisque
4 In "Macbeth," it opens with thunder and lightning
5 How many models are built
6 Displeased looks
7 Paul Harvey’s medium
8 Guitarist Clapton
9 One bringing down the ball carrier
10 Surprise football plays
11 Title for Remus
12 Epitome
13 Hot alcoholic drink
21 Had the answer
25 Belief suffix
26 Initials on an old ruble
27 Derisive laughs
28 "My word"
29 Girls-night-out film
30 Tierra __ Fuego
32 "__ the season ... "
33 Carpentry fastener
34 Suit to __
35 Lady’s man
37 Columbus Day mo.
40 Playboy Mansion resident, familiarly
41 Like collegs with the lowest tuition, for residents
42 1845s president
43 Annual period beyond the current fiscal one
44 County on the Strait of Dover
45 Mussed up, as hair
46 Dover landmarks
49 Pretzel topping
50 Megastar
51 Unflattering Nixon sobriquet
52 Clarinetist’s need
53 1920s-'40s art style
54 Spring bloomer
55 French film
56 Frat party containers

45 Washington city
46 Credits as a reference
47 Parkinsonism treatment
48 Greek architectural style
49 Fathered

52 Clarinetist’s need
53 1920s-'40s art style
54 Spring bloomer
55 French film
56 Frat party containers

Crossword Puzzle

Solution, page 11v

ACROSS
1 Attacks
6 Mandolin ridge
10 Person
14 BP merger partner
15 Not often seen, to Caesar
16 Spreadsheet reversal command
17 Defeats soundly
18 Like many Keats poems
19 Chilled, as coffee
20 Dickens hero with "papers, " as he is formally known
22 Clothed
23 The "A" in A.D.
24 More certain than not
26 Chewing gum substances
30 Office furnishing
31 Nut in a mixed nuts can
32 Airport building
36 Indian spiced tea
37 Manet’s "The Luncheon on
the Grass, " e.g.
38 "Elder" or "Younger" Roman statesman
39 Mind readers
42 More sluggish

44 County on the Strait of
Dover
45 Mussed up, as hair
46 Dover landmarks
49 Pretzel topping
50 Megastar
51 Unflattering Nixon sobriquet
52 Clarinetist’s need
53 1920s-'40s art style
54 Spring bloomer
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56 Frat party containers

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42 1845s president
43 Annual period beyond the current fiscal one
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45 Mussed up, as hair
46 Dover landmarks
49 Pretzel topping
50 Megastar
51 Unflattering Nixon sobriquet
52 Clarinetist’s need
53 1920s-'40s art style
54 Spring bloomer
55 French film
56 Frat party containers

65 Pinkish wines
61 Overflow (with)
62 Hitting serves past
63 Potato holder
64 Old Norse poetic work
65 Pinkish wines

45 Washington city
46 Credits as a reference
47 Parkinsonism treatment
48 Greek architectural style
49 Fathered

52 Clarinetist’s need
53 1920s-'40s art style
54 Spring bloomer
55 French film
56 Frat party containers
Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun Fun

The Tech Tuesday, September 27, 2011

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.

Totally Random!
By Elise Stave

There’s actually a perfume called “Pretty Hot”? Interesting. I’ll try it.

A few hours later
Whoa! I still smell like Pretty Hot!

Did I really just say that?

Piled Higher and Deeper
By Jorge Cham

I made a few tweaks to the draft paper you sent me.

You re-wrote the entire thing.

Yes, it’s easier for me to re-write it than to point out all the things you did wrong.

I call it learning by demonstration.

What are we demonstrating?

That you’re a bad writer.

Dilbert by Scott Adams

Sudoku
Solution, page 11

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<tr>
<td>4</td>
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<td>7</td>
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</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 11

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<td>2x</td>
</tr>
<tr>
<td>8x</td>
<td>2x</td>
</tr>
</tbody>
</table>

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–8. Follow the mathematical operations for each box.
Students inspired by talks

Bootcamp promotes independence and creativity

Startup Bootcamp, from Page 1

ful, and that’s a huge impact, from just one summer of organizing.”

Show up and say yes

The speakers shared their personal experiences in the startup industry, offering their takes on the issues faced by most high-tech startups. Topics discussed ranged from advice on how to pick the right team of co-founders, to raising venture capital, to negotiating during acquisitions, as well as general advice on how to achieve success.

Leah Culver, founder of Connex, a group based online chat company, described how she became involved in her first startup Powence by simply saying “yes” to opportunities that came her way.

“I remember going to lunch with Kevin Rose (co-founder of Powence and Digg!) and he needed someone to build a site, and he said, ‘Leah, can you build a site?’ And I said, yes, yes, of course. I’d been programming for four years and had never built my own website before, but the great thing was, I didn’t have ten years of experience, but I knew I could do it with a lot of hard work.”

Her take-away? “Show up and say yes.”

MIT students who attended the event found the speakers to be inspiring.

Ziyi Liu ’13 said, “It was really inspiring to see that all the founders were so young and driven, and that they didn’t give up.” Liu, who is back at MIT after taking a year off, said he really didn’t like it. And then, “Why don’t we just build what we actually wanted to build? And if it doesn’t work, we have no one else to blame,” Volodkin said.

“Some people tell me that with things like Y Combinator, when you apply and they don’t accept you, the people never try to build the thing they applied with. And this is terrifying because I bet there are some really interesting ideas people submit that don’t fit the Y Combinator or TechStars way, or the VC way, and people just don’t work on them.”

“You don’t need anyone’s permission,” he added. “You can go and just do it. There’s really nothing stopping you.”

His message resonated well with attendees. Volodkin ended his presentation with a well-received slide, “Y Combinator? TechStars? Just fucking make something.”

Other speakers highlighted the importance of creating companies centered around products that people want.

Co-founder of Dropbox Andrew H. Houston ’05 said that the Internet makes it much easier to scale a product, and that once you’re working on an important problem, “a lot of other things become easier, like attracting good people and good investors.”

“If there’s one thing you should focus on an important problem, “a lot of other things become easier, like attracting good people and good investors.”

Alex Polvi, founder of Cloudkick, a cloud server management service, also emphasized the importance of focusing on products that people want.

“The best negotiation position is one of truth. Build something of value that people want, and your position is irrefutable,” he said, based on his experience negotiating the acquisition of his own startup.

Find your own path

Anthony Volodkin, founder of Hypen Machine, an MP3 blog aggregate, offered advice on the importance of finding one’s own path. He shared a story about his experience negotiating a deal with venture capitalists who were nervous about copyright infringement on the music posted on the blogs aggregated by his company’s service.

“We came up with an alternate product to address their concerns, and we realized, it’s not what we wanted to build. It was kind of boring, and we really didn’t like it. And then, we asked, ‘Why don’t we just build what we actually wanted to build? And if it doesn’t work, we have no one else to blame,’” Volodkin said.

“You don’t need anyone’s permission,” he added. “You can go and start something, start learning — you can just do it. There’s really nothing stopping you.”

His message resonated well with attendees. Volodkin ended his presentation with a well-received slide, “Y Combinator? TechStars? Just fucking make something.”

The Council for the Arts at MIT Grants Program

call for applications!

Deadline: Friday, September 30, 2011

All types of arts projects are supported

All current MIT students, faculty and staff are eligible to apply

Information, guidelines, and application form:

http://arts.mit.edu/about/council/camit-grants/

We strongly suggest that applicants meet with Council staff before submitting a proposal

Please contact Susan Cohen at cohen@media.mit.edu to make an appointment

Get your free flu shot... before the flu gets you!

Walk-in clinics:

Adults & MIT Students

Friday, Sept. 30, 2011

MIT Student Center, 3rd floor, 10 a.m. – 4 p.m.

For MIT Medical patients, all MIT employees, MIT students, retirees

MIT Students Only

Thursday, Oct. 20, 2011

MIT Student Center, 3rd floor, PDR 1 & 2, noon – 4 p.m.

No appointment necessary. Bring your MIT ID card or insurance card.

MEN AND WOMEN

NO EXPERIENCE NECESSARY

Become a DI varsity athlete in the ultimate team sport!

ROSTER SPOTS STILL AVAILABLE

For more information contact the novice coaches: novicecrew@mit.edu

The Tech 9

Tuesday, September 27, 2011
Primatene Mist inhaler to be phased out by December 31 due to ozone-destroying CFCs

by Letitia Stein

If you are among the 2 million Americans depending on a drugstore inhaler to deal with asthma, it may be time to schedule a doctor’s appointment. At the end of the year, your only non-prescription treatment option is coming off the shelves.

The issue isn’t the medication, sold as Primatene Mist. For years, it has offered safe treatment for mild asthma symptoms such as wheezing and shortness of breath. But the inhaler contains ozone-destroying chlorofluorocarbons, or CFCs, which long have been scheduled for phasing out.

After Dec. 31, you won’t be able to buy Primatene Mist, the only over-the-counter inhaler approved by the U.S. Food and Drug Administration to treat asthma. Your alternatives are prescription drugs that are more expensive and require the time and cost of a doctor’s visit.

Primatene’s manufacturer says it’s working on a CFC-free substitute, but no one expects it to reach the market before the end of the year deadline. “In this going to affect certain patients? Absolutely,” said Dr. Richard Lockey, director of the division of allergy and immunology at the University of South Florida College of Medicine. “When you take [Primatene Mist] off the market and there’s nothing to replace it you have an added cost for patients.”

Already, the FDA is warning that store supplies may run low before December. (If you choose to stock up, pay attention to expiration dates.)

Now this health issue has taken a political turn. After health officials urged consumers last week to talk to their doctors about a prescription for another medication, conservative bloggers started weighing in.

“It seems that the Obama administration would rather make people with asthma cough up money than let them make a surely inconsequential contribution to depleting the ozone layer,” the Weekly Standard wrote.

In reality, the phaseout just happens to fall on President Barack Obama’s watch. The FDA finalized the deadline in 2008, when Republican George W. Bush was president.

The international treaty sealing the fate of CFCs dates back to 1987.

New Novartis lab still in planning

Pharma, from Page 1

a petition to increase building height in sections further away from Mass. Ave., said Jeffrey Lockwood, global head of communications at Novartis. There are no definite schedules or final designs, but Novartis expects to be finalizing plans with the Cambridge Planning Board by November or December. Earlier this year, the company announced it had hired Viet nam War Memorial architect Maya Lin to design part of the new complex.

According to Lockwood, Novartis hopes to be an important contributor to the Boston research community. “[Novartis] will be a real life sciences campus,” Lockwood said.

Lockwood hopes to maintain the feel of an open campus, like the MIT campus. According to Lockwood, there will be pedestrian access through the Novartis campus during working hours.

Lockwood also emphasized the positive impact the project could have on the surrounding area, which houses many retailers. Novartis is planning for 8,000 square feet of retail property along Massachusetts Avenue. “We can really transform this end of Massachusetts Avenue into a vibrant area, and be a connection between Kendall and Central Square,” Lockwood said.

Pfizer is beginning construction on their laboratory just north of MIT’s main campus. “We’re proceeding quick, and exactly where we need to be,” said Steven C. Marsh, managing director of real estate at MITIMCo. Marsh estimates the building to be completed in two years.

The project has not seen any delays or impediments from the city of Cambridge. The site was fully planned and approved in 2009 under the city’s Article 19 planning regulations.

Marsh is excited about the implications of research expansion in the area. “There isn’t much economic development activity happening around the globe, so I’m glad some of it is landing here in Cambridge,” he said.

The companies will be joining a host of other pharmaceutical groups in the growing research community around the Kendall and Central Square areas, including Biogen Idec, Millennium Takeda Oncology Co., and Infinity Pharmaceuticals.

Monday, October 3, 2011

4:30 PM - 6:00 PM | MIT Bldg 6-120

182 Memorial Drive, Cambridge

Free and open to the public

Film Screening and Q&A with Director

www.hiddenbattles.com

VS PRODUCTIONS PRESENTS

HIDDEN BATTLES

Mon, Oct 3, 2011

4:30 PM - 6:00 PM | MIT Bldg 6-120

182 Memorial Drive, Cambridge

Free and open to the public

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Make sure to explore the arts with your MIT student ID this year!

Free admission to:
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• Institute of Contemporary Art
• Isabella Stewart Gardner Museum
• Harvard Art Museum

Free or discounted tickets to:
• Boston Symphony Orchestra
• Boston Modern Orchestra Project
• Radiz Ensemble
• Boston Chamber Music Society
• Central Square Theater

And numerous $5 ticket deals on performing arts events throughout the year!

http://arts.mit.edu/visit/tickets/

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### Summary of Income and Expenses

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### Summary of Expenses

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The lack of passing turned a close game into a blowout.

Curry made another scoring drive right before halftime with Carnevale finally able to put together a strong passing game, completing four passes for 38 yards. The secondary fell back into protection, preventing blitzes and clogging the defensive line. This allowed for two large rushing gains on 3rd and 10, and with nine seconds left in the half Carnevale found Robert Bambini for a 14-yard touchdown pass. The Engineers were able to get an excellent field goal on the subsequent drive of the game after running down to Curry's 2-yard line. Although MIT's defense was unable to push Curry back, the Engineers were able to get an excellent field position after preventing the Colonels' drive.

MIT made its final scoring drive of the game after running the exact same running play six times. MIT settled for a 26-yard field goal.

The Colonels finally found consistency in their running game, putting large rushing plays against the worn-down MIT defense. The Colonels kept their momentum through rushing; however, in the red zone, they began to rely on their passing. The Colonels threw three straight incomplete passes that caused a few loud Curry fans to scream for the Colonels to return to the run. On a pivotal 4th and 3, Curry was able to convert and complete a 15-yard touchdown pass to put the Colonels up for good.

MIT wasn't able to put together another scoring drive and punted on each of the subsequent possessions. Curry made one more scoring drive with 2:10 left in the game. There are a number of areas that MIT needs to improve in order to prevent the similar 1-2 late in last year. The Engineers had unimaginative play calling, running play with a no-huddle shotgun position. Every play started with either one running back or a no-back formation. Almost every play was a quarterback keeper, while the 1-back formation usually indicated a running play to Wallace. By the end of the game, even the fans were yelling out the type of play before the ball was snapped. The lack of passing turned a close game into a blowout. Curry needed to find a consistent passing game. Without a threat of passing, opponents can better protect against the run. The Engineers needed to learn how to capitalize on mistakes. Four interceptions and no points on the subsequent drives was the difference-maker in this game. Poor tackling will need to be improved upon in order to prevent strong rushing and to win another game this season. MIT plays next at UMass Dartmouth on Oct. 15 against Western New England University.

Men's Tennis vs. Babson
Field Hockey vs. Endicott College

WOMEN'S TENNIS
MIT Women's Tennis Goes 1-1

MIT's Women's Tennis played two matches in the past week, hosting Tufts on Thursday and visiting Mount Holyoke on Saturday.

The Engineers fell 7-2 to Tufts, the fifth-ranked Division III team in the nation. Michelle M. Dutt '15 and Yvonne K. Kong '15, playing second and fifth singles respectively, earned the only points for MIT.

MIT also needed to find a consistent passing game. Without a threat of passing, opponents can better protect against the run. The Engineers need to learn how to capitalize on mistakes. Four interceptions and no points on the subsequent drives was the difference-maker in this game. Poor tackling will need to be improved upon in order to prevent strong rushing and to win another game this season. MIT plays next at UMass Dartmouth on Oct. 15 against Western New England University.

Men's Tennis vs. Babson
Field Hockey vs. Endicott College

UPCOMING HOME EVENTS

Tuesday, Sept. 27
Women's Tennis vs. Babson
4 p.m., duPont Tennis Courts
6 p.m., Jack Barry Field

Thursday, Sept. 29
Sailing Midweek Tech Invite No. 2
4 p.m., Charles River
Men's Tennis vs. Endicott College
5 p.m., duPont Tennis Courts

SPORTS SHORT
MIT Women's Tennis Goes 1-1

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Women's Tennis vs. Babson
Field Hockey vs. Endicott College

The team faced better against Mount Holyoke, winning 6-3. Dutt, who played first singles, and Kong, as well as Haama C. Becerra '15 and Hillary E. Jenny '12, all won their singles matches. Two of the three MIT doubles teams won their matches to secure the victory. The Engineers next host Babson on Tuesday afternoon as they look to remain unbeaten against their New England opponents.

—David Zhu, Sports Editor

Lemelson-MIT Student Prize

Inventive, problem-solving graduates or graduating seniors at MIT, apply today!

$30,000

web.mit.edu/invent/student

APPLICATION DEADLINE:
DECEMBER 14, 2011

Celebrate innovation, inspiring youth

Lemelson-MIT Prize

By Nicholas Myers

MIT played its first home game of the season on Saturday against Curry College. MIT came into this week hoping to double the number of wins from the 2010 season. (1-0) finished bowing a 51-13 loss to Massachusetts Maritime Academy and a 35-13 win at Becker College. Instead, MIT started with a poor snap—a recurring theme last year. Curry College won using a balanced attack of rushing and passing and overcoming early turnovers with a strong defensive performance.

The Engineers started the game off strong, holding the Colonels first two drives and taking over on their own 37-yard line. After a 63-yard drive, the Engineers scored with 4:32 left in the first quarter on a 1-yard run by Justin R. Wallace ‘15. The ensuing extra-point kick went far left, showing early signs of special team woes. The point after was missed due to a poor snap—a recurring theme last year. The Engineers had to punt after every interception. However, Curry had no problem capitalizing on MIT's mistakes, even putting together a 47-yard touchdown drive after an MIT interception with 12:19 left in the second-quarter.

MIT drove on its next possession and was stalled on the 9-yard line. They were forced to settle for a 27-yard field goal. Curry again threw an interception when Anthony Carnevale made an overthrown pass over the middle. MIT, unable to put together a scoring drive, was forced to punt again.

The Engineers had no problem capitalizing on any of the four Curry turnovers, having to punt after every interception. However, Curry had no problem capitalizing on MIT's mistakes, even putting together a 47-yard touchdown drive after an MIT interception with 12:19 left in the second-quarter. MIT drove on its next possession and was stalled on the 9-yard line. They were forced to settle for a 27-yard field goal. Curry again threw an interception when Anthony Carnevale made an overthrown pass over the middle. MIT, unable to put together a scoring drive, was forced to punt again.

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