

## Local protest for Hong Kong democracy



WENDY WEI

In a crowd of protesting students who gathered in the Common on Wednesday night, Hong Kongese parents rallied in hopes of bringing a future of democracy to their children. Demonstrators shared heartfelt stories and words of encouragement. One speaker of the night, Tianyu Zhang from mainland China, said to the crowd, “I am jealous that you can fight for your freedoms. I don’t think you are just fighting for Hong Kong. I think you are fighting for all the Chinese in the world.”

# MIT community reflects on recent deaths, ‘opens doors’

Chancellor, student leaders invite community to discuss mental health and wellbeing with others

By Drew Bent

This past Monday, students, professors, and administrators came together at noon to reflect on the recent deaths in the MIT community. Following the death of Phoebe Wang ’17, Chancellor Cynthia A. Barnhart PhD ’88 and student leaders called upon the community to take part in a 15-minute reflection on Monday, calling it an “All Doors Open” period.

Members of MIT’s Christian group Cru gathered in Memorial Lobby at noon to show their support. While holding up signs that read “You Are Loved,” they lined the Infinite Corridor as students walked by.

Cru member Tiandra Ray ’15 helped coordinate the gathering. After learning of Wang’s death, Cru decided to organize a semester-long initiative called “Love Out Loud” that aims to openly promote love at MIT. “MIT is our home, and our hearts break at how frequently we encounter the presence of suicide and depression here,” said Ray.

Ray, who was pleased with the response to the gathering, said,

“Although the initiators were a part of Cru, this was very much an ‘all hands on deck’ operation... Not everyone at MIT saw our signs, but those who did were touched.”

In the 2.008 Design and Manufacturing II class, professors John Hart PhD ’06 and David Hardt PhD ’79 paused at noon to allow for a discussion in the class.

Martin C. Feldmann, a teaching assistant for 2.008, explained how students were initially hesitant to talk. By sharing his own thoughts on the matter, though, Feldmann said he was able to start a dialogue between students and the teachers.

“MIT has a lot of things that I love about the culture, but one thing I don’t love is that people here are often afraid of admitting that they don’t know something,” said Feldmann in an interview with *The Tech*. As such, he said, they are less likely to acknowledge that they are “overwhelmed with a task or with workload in general.”

MIT’s Mental Health and Counseling Services is trying to change that dynamic. Alan Siegel, Chief of MIT Mental Health, considers Monday’s reflection period as the

“first step to introduce into the academic side of things the personal, emotional, and interpersonal side of student life.”

Siegel noted that they have already begun making changes. This year, MIT Mental Health reached out to more incoming students to help familiarize them with their resources, using responses from the Student Health Form to determine which students to contact.

Siegel also spoke with new department chairs and faculty about their role as leaders in the MIT community. “We are doing much more talking with and training of faculty and staff of how to recognize when a student is in distress and what to do with it,” said Siegel.

MIT Mental Health hopes to develop a better sense of “what [mental health] resources would be helpful rather than assume [they] know what is needed,” according to Siegel. In talks with Chancellor Barnhart, MIT Mental Health has started to consider adding new resources, such as introducing the presence of counselors in

All Doors Open, Page 10

## ‘How to Start a Startup’ comes to MIT

The MIT Undergraduate Association’s Innovation Committee began a series of informal evening classes last week, offering live streaming sessions of Stanford University’s “How to Start a Startup” course.

At 9 p.m. every Tuesday and Thursday, the Innovation Committee, headed by Will W. Jack ’17, streams the lecture series in room 2-105 for MIT students, who then have a short discussion of the content.

The course itself takes place on Stanford’s campus as part of an initiative to make entrepreneurship more accessible. The class is the brainchild of Sam Altman, the president of California accelerator Y Combinator, a highly competitive mentorship and educational program for startups. Altman attracted prominent members of the Silicon Valley tech industry to speak at the class, including Facebook cofounder Dustin Moskovitz and venture capitalist Peter Thiel.

Videos, readings, lecture notes, and projects are all publicly available, allowing anyone interested in entrepreneurship to be able to follow along with the course. One such project asks students to identify all of the day-to-day problems they encounter over a period of two weeks. Currently, over 25,000 people from all over the globe are in the class’s Facebook group, and colleges like Yale, Harvard, Princeton, and UC Berkeley are organizing similar live streams of the class.

The UA Innovation Committee, in its inaugural year, aims to encourage MIT students to them pursue and develop entrepreneurial ideas. It intends to guide students by providing a direct connection to more established MIT entrepreneurship organizations, such as the Martin Trust Center and Startlabs.

The “How to Start a Startup” course is the first major event that the Innovation Committee has run. Andrea S. Li ’18 said, “I get really excited about this class, and I think that it’s the perfect opportunity to learn from the experiences of the entrepreneur community.”

Startup class, Page 8

## Picnic honors MIT’s culture of service and retiring Mary Rowe



VIVIAN HU—THE TECH

Mrs. Reif looks on as President Reif prepares to do a yo-yo trick during Monday’s community picnic. The community service-themed picnic, which offered several ways to contribute to local charitable organizations, celebrated the 41 years of service that recently-retired ombudsperson Mary Rowe had given to the MIT community.

### IN SHORT

**Add date is today!** This is the last day to add subjects to your registration. Be sure to submit by 11:59pm at <https://studentformsandpetitions.mit.edu/>.

**HackMIT runs from 9 a.m. on Saturday to 3 p.m. on Sunday.** MIT undergraduate and M.Eng students that haven’t

registered can walk on at the start of the event as space allows

**MIT’s first-ever Maker Faire is this Saturday.** The event runs from 9 a.m. to 6 p.m. at MIT’s North Court and is open to the public.

**The Jewish holiday, Yom Kippur, starts tonight at sunset** and ends at nightfall

on Saturday.

**Student feedback sessions on library space planning are this week.** Be at 14N-132 (DIRC) on Monday, October 6 at 6 p.m. or Tuesday, October 14 at 7 p.m. to receive pizza and a \$25 gift card.

**Send news information and tips to [news@tech.mit.edu](mailto:news@tech.mit.edu).**

### IS HACKMIT UNHEALTHY?

Hackathon organizers should promote student health.

OPINION, p. 4

### RESPONSE TO ALL DOORS OPEN

Continuing the conversation.  
**OPINION, p. 4**

### A TRUE ALL-IN-ONE GADGET

The description of its features will leave you quite stunned. **FUN, p. 5**



### TOO MUCH TIME IN LAB

Makes it very difficult to pose as a Finance student infiltrating a Sloan event.  
**FUN, p. 5**

### ANOTHER VOLLEYBALL WIN

Engineers are now 15–2 after win over Clark university.  
**SPORTS, p. 12**

### SECTIONS

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| Weather Systems                                                                                 | Weather Fronts                                                                                         | Precipitation Symbols                                                                 | Other Symbols                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>H</b> High Pressure                                                                          |  Trough           | <div> <div>Snow</div> <div>Rain</div> </div>                                          | <div> <div> Fog</div> <div> Thunderstorm</div> <div> Haze</div> </div> |
| <b>L</b> Low Pressure                                                                           |  Warm Front       |  |                                                                                                                                                                                                                                                                                                                                       |
|  Hurricane |  Cold Front       |  |                                                                                                                                                                                                                                                                                                                                       |
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## Doing more to understand our community's challenges

## Letters , from Page 4

so stressful. The discussion that followed not only helped the faculty member to understand the students' perceptions of the subject's demands, but made explicit an issue that we all experience but rarely address so openly.

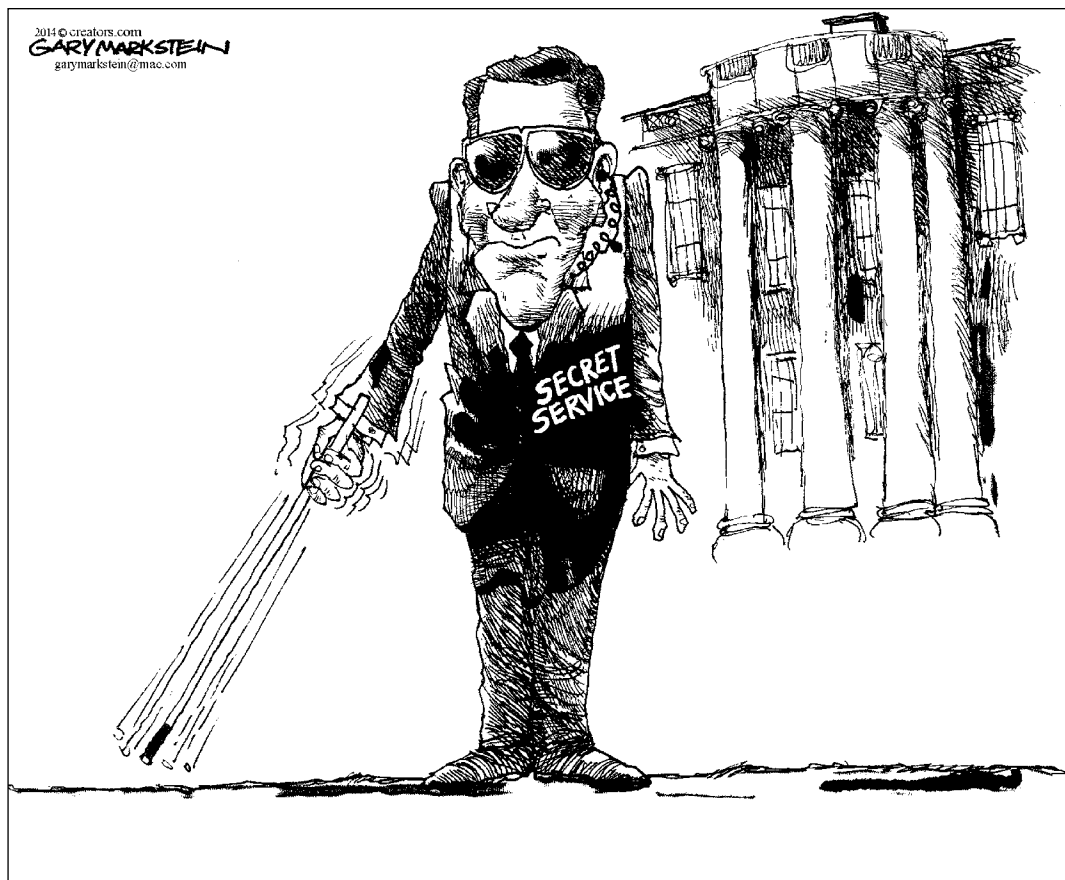
One student suggested one immediate fix: We could all take the time to encourage each other. As she explained, early in her time at MIT, one of her professors emailed her, commending her for how she had handled an assignment. This simple, reassuring “job-well-done” seemed so unusual and felt so meaningful to her that she saved the e-mail in her inbox as a reminder of her ability to succeed.

The feedback we have received has been eye opening and informative. And the number of people who have offered to help in concrete ways, with expertise or experience, has been inspiring. MIT is a place informed by facts and evidence, and we must do more to understand the challenges so many in our community face. We must also do more to make those around us feel valued and supported – while guarding the creative intensity and rigor that are the essence of MIT.

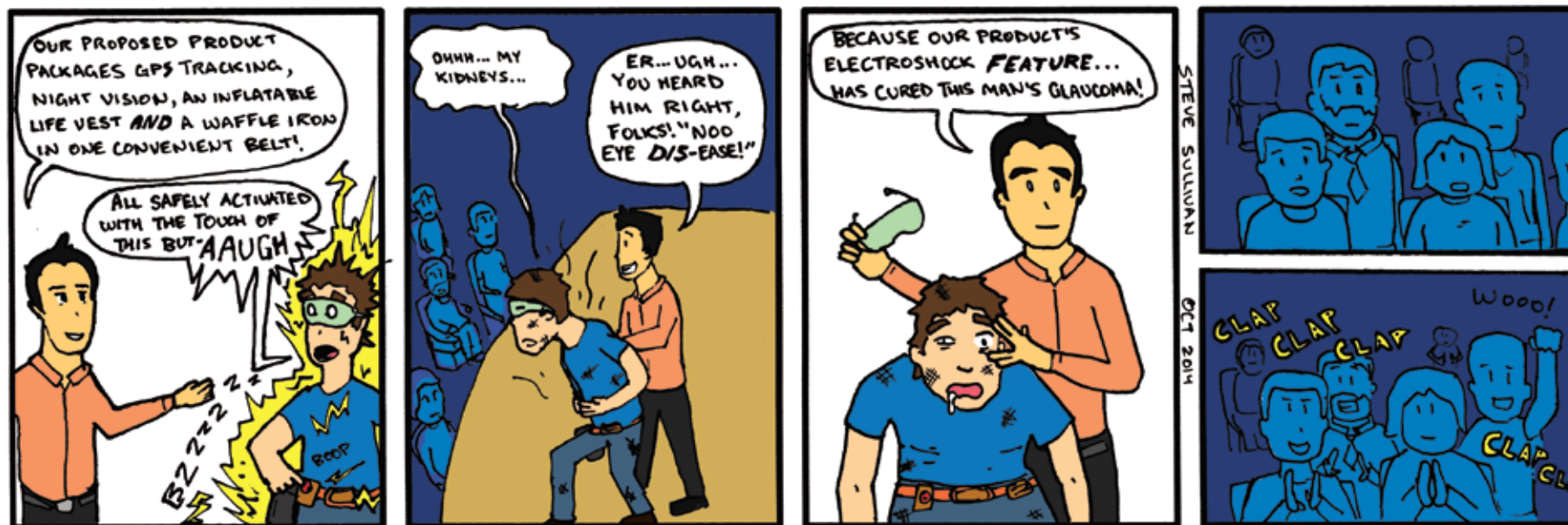
This is a non-trivial proposition, and we are grateful to know that in tackling this challenge, we can count on the collective wisdom and action of our entire community.

We will continue to provide updates as our path forward becomes clearer. In the meantime, we appreciate all of the input we have received and welcome further thoughts and recommendations at [we-are@mit.edu](mailto:we-are@mit.edu).

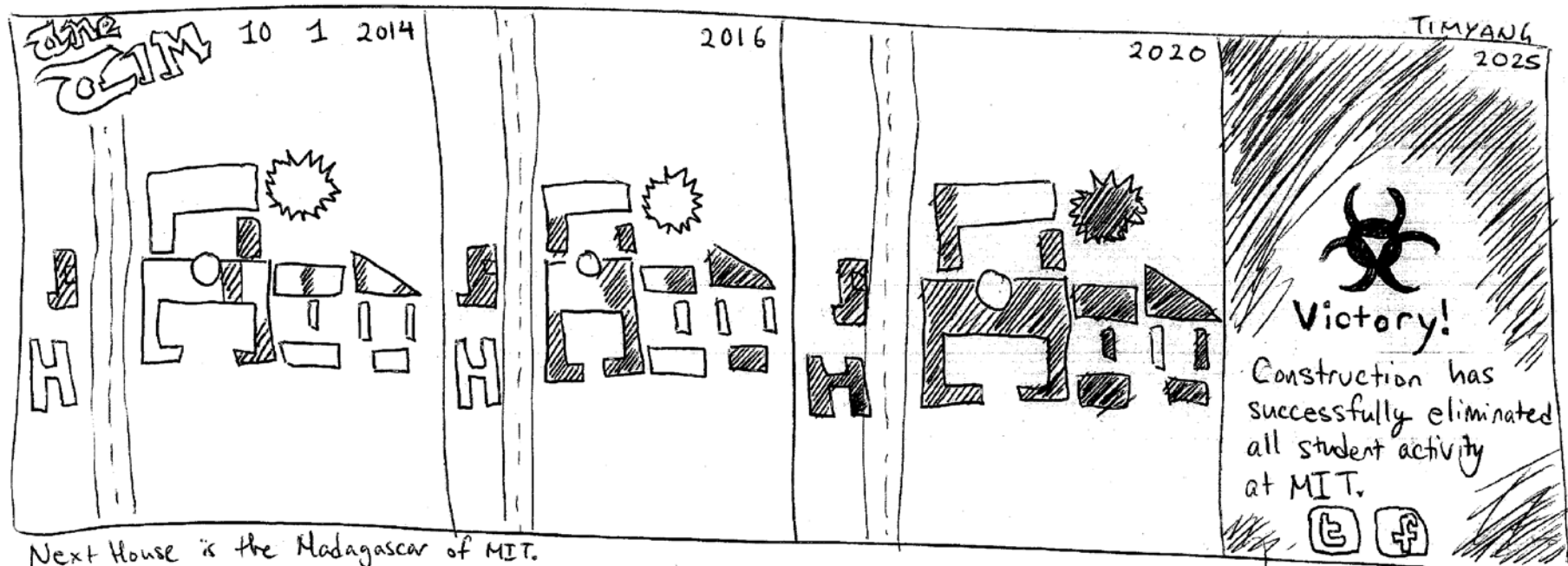
Sincerely,  
Cynthia Barnhart, Chancellor  
Steven Hall, Chair of the Faculty



# UPPERCUT by Steve Sullivan

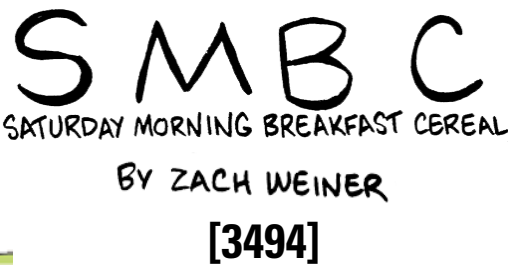


# Somewhere on the Search for Meaning... by Letitia Li



N OPINION OPINION FUN FUN FUN  
FUN FUN FUN FUN FUN FUN





THE COLOR ORANGE

AVERAGE SCORE: ★★☆☆☆

 ★★☆☆☆  
Good, but it's no burnt sienna

 ★★★★★  
GREAT BUT DO NOT CONFUSE  
WITH THE FOOD!!!

 ★☆☆☆☆  
basically a rehash of yellow and red. meh.

THE INEXORABLE PASSAGE OF TIME  
AVERAGE SCORE: ★★★★★

 ★★★★★  
I did not order this. Please take back.

 ★★★★★  
WARNING! KILLED MY GRANDPARENTS.  
AVOID!!! LAWSUIT PENDING!

 ★★★★★  
Great! Would try again. EDIT: Sorry, I  
thought I was reviewing the abstract notion  
of togetherness.

**PAGE 10**

## Solution, page 10

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.

## Solution, page 10

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

## Solution, page 10

1 Fairy-tale villain  
5 Cropland measure  
9 Area of influence  
14 Revered figure  
15 Big-screen theater  
16 Brute  
17 I, Claudius costume  
18 Be nomadic  
19 Ranch rope  
20 Annual physical, e.g.  
23 Color like chestnut  
24 Rival of Tulane  
25 Puts to work  
26 Hogwarts alumni  
30 Slender fish  
32 "\_\_\_ matter of fact . . ."  
33 Very small quantity  
36 Veep before Gerald  
40 Gas-pump selection  
44 Simple kind of question  
45 Italian erupter  
46 Lass' brother  
47 Grant knighthood to  
49 Values highly

- 1 Clever person
- 2 Skunk's defense
- 3 Firm's symbol
- 4 Rolled tortilla
- 5 It has a Delhi hub
- 6 "Let's get moving"
- 7 Bolero composer
- 8 Corporate officers
- 9 Well-qualified
- 10 How Cicero said "sorry"

11 Soaks up rays  
12 Bone of contention  
13 Sporty car roofs  
21 Road-repair stuff  
22 Tint  
26 Less than trustful  
27 "Makes sense to me"  
28 Sudden turns  
29 Tender to the touch  
31 Jargon suffix  
34 Egyptian boy king  
35 One of the Brontë sisters  
37 Going nowhere  
38 Paper pack  
39 10-to-1, for one  
41 Swimming hazard  
42 Half of the "Who's on First?" duo  
43 Luxor's western home  
48 Half of the "Who's on First?" duo  
50 Carol's turtledove complement  
51 Word on Seville stamps

|                                 |                              |
|---------------------------------|------------------------------|
| 52 PC troubleshooters           | 60 Strong longings           |
| 53 Be of use                    | 61 Fourth-down play          |
| 54 Green topping . . .          | 62 Oskar in Schindler's List |
| 56 . . . and what it often tops | 63 Different from that       |
| 57 Pessimist                    | 67 Lisa Simpson's instrument |

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Innovation Committee to hold idea nights

Startup class, from Page 1

The collaboration came about through Jack's prior relationship with Altman, who reached out to Jack to express his interest in bringing the class to MIT. "I thought [the lecture series] aligned perfectly with everything I've been working on already," said Jack. In the near future, the Innovation Committee intends to hold regular "idea nights," for students to present their startup ideas.

The committee says it made an ef-

fort to contain a mix of students from different courses. According to Jack, "At the first meeting, we went over all the backgrounds we had, and identified regions that weren't represented — for example, we don't have either Course 9 or 20 — and we're going to make a conscious effort to represent them."

Jack added, "I think MIT undergraduates are the cream of the crop of global innovators, and I'd like to make it easier for them to make that first step towards actualizing their idea."

—Ray Wang



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# Phoebe Wang recalled fondly for humor, spirit

*Family remembers the life of the 18 year-old sophomore who lived in MacGregor*

MIT news office

*Editor’s Note: The remembrance below was provided to MIT News by Phoebe Wang’s family.*

Phoebe Wang, 18 — a sophomore at MIT, a born builder, and a lover of nature and of classical music — passed away around Sunday, Sept. 21, in her dorm. Phoebe died peacefully.

She leaves her parents, Andrew and Yingmei, three grandparents, and two aunts.

Phoebe was born in Lafayette, Ind., on Oct. 28, 1995. She spent her early years living with her parents and grandmother in Indiana, Texas, and China, finally settling in Bethlehem, Pa. After completing middle school, Phoebe moved to Wayne, Pa., with her family, graduating in 2013 from Conestoga High School with the All-School Scholar Award and the Rochester Institute of Technology Innovation and Creativity Award. In fall 2013, Phoebe started her undergraduate studies at MIT.

Known for her sense of humor and curiosity, Phoebe is remembered for her quick wit and deep desire to explore.

When she was young, Phoebe owned several sets of Barbie dolls. She would take off their clothes to trim, sew, and tape each piece into some new “style.” She would then repeat this process again later to create more designs after disassembling and mismatching her dolls. There was a running joke in the family that the Wangs had a “Phoebe Doll” shop in the house.

A longtime lover of nature, Phoebe enjoyed exploring the woods in her neighborhood. She traveled extensively around the country, visiting many national parks

and landmarks. Phoebe also loved to hike local trails.

One time, Phoebe told her mother that she was going for a short walk outside; several hours later, she had still not returned. Her mom finally reached her via cell phone. It turned out that she decided to check out all of the Valley Forge National Park trails in one hike that day.

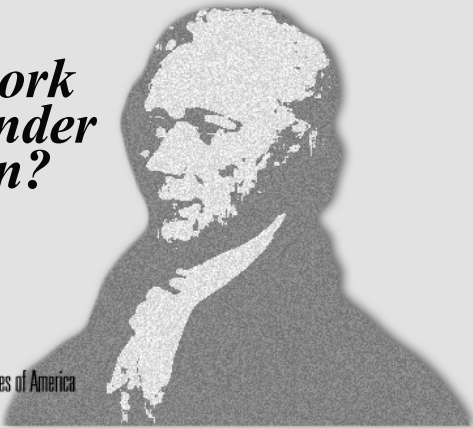
During her exploration of the outdoors, Phoebe collected many relics, including rocks, old coins, and pieces of stained glass. They are now part of her bedroom decor, along with her origami — another passion of Phoebe’s.

When Phoebe received news of her admission to MIT, she was so excited, and counted down the days to her freshman orientation. In her first year, she completed her math and science GIRs, and started taking advanced math and science courses to explore possible majors.

Even with her full class schedule, Phoebe managed to fit in a campus job at the Music Library, and joined the MIT Symphony Orchestra to play her beloved flute. Music, especially classical music, was always part of her life. Whenever she was in a car with her parents or friends, Phoebe would often ask to turn on the radio and listen to classic music. She downloaded many pieces of music on iTunes or from the web, which she enjoyed while tackling her schoolwork or doing her chores. Moments of joy and elation would follow: “Oh yes, I played this piece before,” or, “Wow, I’ve got to find this music score and play it myself someday.”

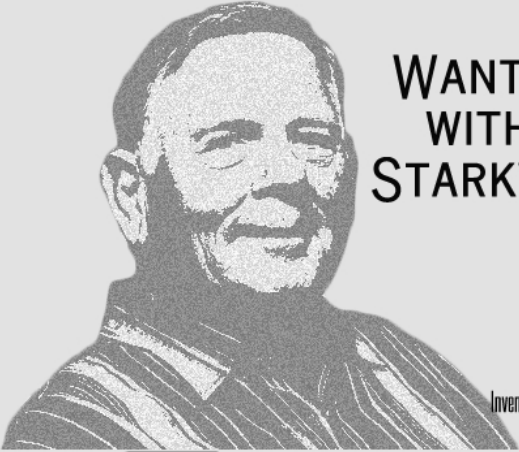
Phoebe liked to say, “It’s almost done, but never complete until it’s due.” She packed a lot of living into her short life.

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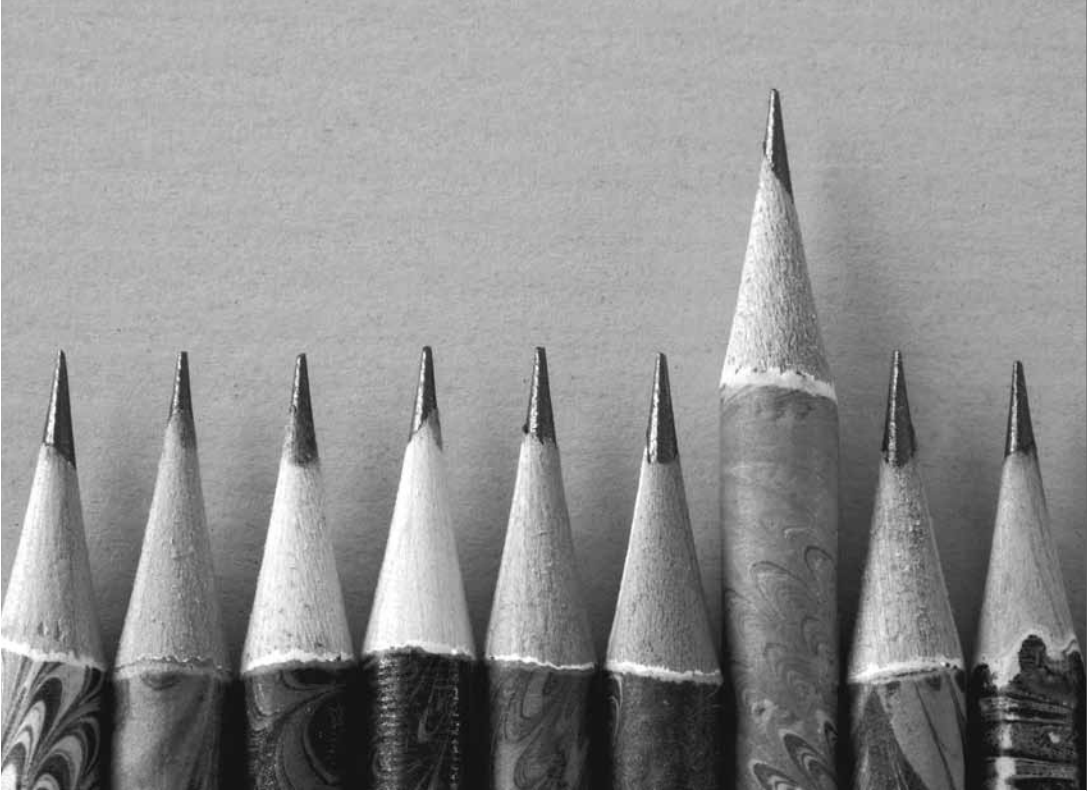
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# Institute participates in a reflection period

## MIT sets aside 15 minutes for staff and students to discuss wellbeing

All Doors Open, from Page 1

residence halls and holding workshops around stress management for students on campus during the summer. Many of the ideas stem directly from students' suggestions, he said.

In the past week, MIT Mental Health has seen an outpouring of members of the community reaching out. "Anyone who has been on call [for MIT Mental Health] hasn't had sleep. We've been up all night," said Siegel.

Feldmann believes that MIT still has a lot of room for improvement. "I do not hear a lot coming from MIT staff," he said. "If MIT has such a huge problem, it would be a good thing to admit that."

Feldmann and others wish that the school would release more details regarding the recent

deaths. "I think it's important to hear some facts from the administrative side," said Feldmann. Since March, four graduate students and one professor have passed away, three of which were deemed suicides. The cause of death, however, was not included in any of the emails sent out by President L. Rafael Reif.

The cause of death of Wang is still unknown.

Ultimately, though, Feldmann believes these problems can be resolved. "MIT is [the] place that I feel most at home except for my real home," he said.

Students looking to share their insights on stress and mental health at MIT are encouraged to email [we-are@mit.edu](mailto:we-are@mit.edu). The comments will be reviewed by Chancellor Barnhart and Chair of the Faculty Steven Hall.

# Windows 10 on the horizon

## A refreshing new start after its polarizing predecessor

By Nick Wingfield  
THE NEW YORK TIMES

SAN FRANCISCO — Microsoft appears to believe that the next version of its operating system is such a big change that it's calling the software Windows 10, skipping the more logical Windows 9.

But compared with Windows 8, its much-maligned predecessor, the rough sketch of Windows 10 that Microsoft showed for the first time this week will seem comfortably familiar to many.

The changes reflect Microsoft's continued search for a formula that will reinvigorate Windows and, along with it, sales of PCs, which have flagged badly in recent years. While Microsoft has lost a lot of cachet to Apple, Google and other companies that shape the mobile market, Windows still runs most PCs.

With Windows 8, Microsoft redesigned its operating system for a world increasingly populated with touch-screen devices, creating a

start screen that looked unlike any Windows desktop before it. It filled the screen with a grid of tiles that allowed users to open applications with the tap of a finger and to see a constant flow of photos, Facebook updates and emails.

But the new interface was deeply polarizing among users and seemed to overlook the fact that most people still use Windows on devices with a mouse and keyboard, not a touch screen.

"We didn't quite get it right," Joe Belfiore, a corporate vice president in Microsoft's operating systems group, said at the company's event Tuesday.

The rough sketch will seem comfortably familiar to many users.

Although Microsoft is not getting rid of the start screen with Windows 10, it is tucking it away so that many users may never see it. The software borrows some elements of the tile interface, but they will pop up on the screen only when a user clicks a menu button at the bottom of the screen.

The main screen of Windows 10 uses the desktop interface that Microsoft has used for decades. Microsoft began making it easier for its users to get rid of the tile interface with updates to Windows 8, but the new software goes further.

"This is what Windows 8 should have been," said Carolina Milanesi, chief of research with Kantar Worldpanel ComTech, a consumer research group.

Microsoft executives emphasized that the company was not giving up on making touch an important part of Windows. If

someone uses Windows 10 on a hybrid device with a keyboard and a touch screen — Microsoft's Surface is one example — the software will reformat itself with the tile interface when a keyboard is detached. Some analysts predict that eventually most PCs will incorporate touch screens.

Despite the familiar look, Microsoft executives said skipping the Windows 9 name was justified by other ambitious changes in the software. The operating system now shares a lot of code with other Microsoft products, including its smartphone operating system, which will let developers more easily create apps that work across different devices.

Microsoft said it planned to brief big business customers on the changes. Those customers represent Microsoft's most dependable source of profit, and they have largely ignored Windows 8.

According to a study by Forrester Research, only about 1 in 5 organizations offers Windows 8 on PCs to employees. Many businesses run Windows 7, which came out about four years ago.

David K. Johnson, a Forrester analyst, said, "Microsoft needs to give enterprises reasons to move to a new version before it becomes a crisis."

With Windows 10, Microsoft wants to give business customers the opportunity to provide input on the software before it is finished, said Terry Myerson, executive vice president of Microsoft's operating system group. The product will not be released in final form until the latter half of next year.

"It's a little bit of a journey," Myerson said. "We decided to jump off today before we had all the answers."

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### Solution to Sudoku

from page 6

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

### Solution to Crossword

from page 6

|          |     |          |      |       |
|----------|-----|----------|------|-------|
| WOLF     |     | ACRE     |      | AMBIT |
| IDOL     |     | IMAX     |      | BEAST |
| TOGA     |     | ROVE     |      | LASSO |
| ROUTINE  |     | CHECKUP  |      |       |
|          | TAN | LSU      | USES |       |
| WIZARDS  |     | EEL      |      |       |
| ASA      |     | IOTA     |      | SPIRO |
| REGULAR  |     | UNLEADED |      |       |
| YESNO    |     | ETNA     |      | LAD   |
|          | DUB | ESTEEMS  |      |       |
| TAPE     |     | UPC      | VWS  |       |
| EVERYDAY |     | PEOPLE   |      |       |
| CASTE    |     | SNUG     | AILS |       |
| HITON    |     | TINA     | NASA |       |
| SLOWS    |     | ACTS     | AMEX |       |

### Solution to Techdoku

from page 6

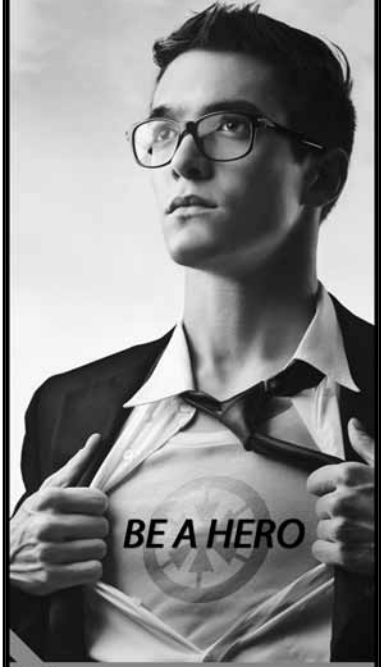
|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 5 | 1 | 2 | 3 | 4 | 6 |
| 2 | 4 | 5 | 6 | 1 | 3 |
| 6 | 2 | 3 | 4 | 5 | 1 |
| 1 | 3 | 4 | 5 | 6 | 2 |
| 3 | 5 | 6 | 1 | 2 | 4 |
| 4 | 6 | 1 | 2 | 3 | 5 |

### SMBC, from page 6





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Monday, October 6, 6–7:30pm, 14N-132  
Tuesday, October 14, 7–8:30pm, 14N-132



 [libraries.mit.edu/future-spaces](http://libraries.mit.edu/future-spaces)

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