thetech.com



WEATHER, p. 2 THU: 28°F | 20°F Mostly cloudy. FRI: 30°F | 15°F Sunny. SAT: 27°F | 21°F

Thursday, January 23, 2025 Volume 144, Number 22



Bill Thilly '67 ScD '71, Professor of Biological Engineering, passes away at 79

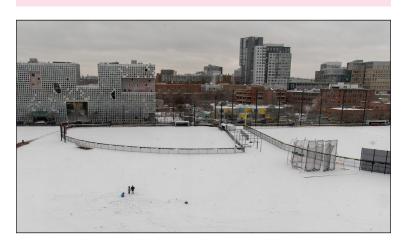
On Dec. 24, 2024, Professor William Thilly '67 ScD '71 of Course 20 (Bioengineering) passed away at 79. A professor of genetics, toxicology, and biological engineering, his research in the health effects of environmental contaminants led to the development of widely-used assays that could detect several mutations in a single test.

Thilly spent most of his career at MIT: after studying biology as an undergraduate, he went on to receive a Doctor of Science (ScD) in nutritional biochemistry, and then joined the faculty in 1972 as an Assistant Professor of genetic toxicology. One of Thilly's most prominent research discoveries came soon after, in which he and his lab developed the TK6 assay, a test that reveals whether a given compound is likely to cause mutations in human cells. This assay is now commonly used by pharmaceutical companies to test the safety of new drug compounds.

From 1980 to 2001, Thilly led the Center for Environmental Health Sciences (CEHS) at MIT, during which he and his team

studied the biological consequences of burning fossil fuels. He also established MIT's first Superfund research program, which explores ways to protect people from hazardous environmental chemicals, and directly engaged with community members at its site in Woburn, Massachusetts.

Throughout his career, Thilly actively engaged with students and constantly encouraged them to think about the real-life impact of their research. His passion for supporting underserved students drove him to make generous financial contributions to scholarship funds and personally take trips to historically Black universities to recruit more applicants to MIT. While a student at MIT himself, he left another lasting impact in a world far outside biology - the breakfast cereal industry. As an intern at Kellogg's in 1965, he invented a cereal with dried apple and cinnamon that would later become Apple Jacks.



Three from MIT named Schwarzman Scholars

By Sabine Chu

On Jan. 15, the Schwarzman Scholars Program announced its tenth cohort, including three from MIT. Scholars pursue a fully funded, one-yewar master's degree at Tsinghua University in Beijing, China. Per the scholarship's website, the Schwarzman Scholars Program is intended to create leaders and form "global relationships that can be activated over a lifetime."

MIT-affiliated awardees were Andrii Zahorodnii '24, Yutao Gong MBA/SM '25, and Brandon Man SM '25. Zahorodnii will graduate with concurrent SB and MEng degrees in Course 6-9 (Computation and Cognition).

At MIT, Zahorodnii has pursued research in both neural networks and cognitive science at the Meta-Consciousness Group and Fiete Lab, as well as founding the Ukraine Leadership and Technology Academy. Before coming to MIT, Gong studied at Duke University and worked at the Boston Consulting Group (BCG). She is pursuing two master's degrees in the Sloan School of Management and Course 1 (Civil-Environmental Engineering) as a Leaders for Global Operations (LGO) fellow Man is student in Course 2 (Mechanical Engineering) and the cofounder of the startup Sequestor, which describes itself as the "data engine for carbon markets." These three students will join 147 others representing 38 countries.

Over email, Gong answered The Tech's questions about the Schwarzman Scholarship application process, her thoughts on receiving the scholarship, and goals as a scholar. Answers have been edited lightly for

TT: What was the application process like for this scholarship? Why did you choose to apply?

Gong: The application process is different for Chinese passport holders versus other countries. I hold a Chinese passport. It includes two main essays (one about leadership, and the other is a personal statement), short essays, a one-minute video introduction, and recommendation letters among other miscellaneous stuff. This application was due in mid-May 2024.

Then, they flew around 100 people to Tsinghua in early July for an inperson interview—each person has 25 minutes with a panel of around seven interviewers, then a luncheon to socialize with interviewers and other candidates. We also stayed a night at the college. We found out the results in late August.

I grew up in China but have mainly been spending time in the U.S. since college—I would love to learn more about the issues this country is currently facing as it's my motherland, especially together with like-minded peers with different backgrounds. The Schwarzman Scholarship feels like the perfect opportunity to do so.

TT: How did you feel when you learned you were chosen for this

Gong: Honestly, a mix of feelings-very excited because it's a program and there are many aspects of it I very much look forward to, but I also felt a sense of uncertainty. I am in the middle of my MBA program, and still feel unsure about what I want to do in the long run. Moving back to China for a year after I have built a network here (not only professional connections but also great friends, some of whom mean a tremendous lot to me) feels like a leap of faith. On top of that, I still plan to return to the U.S. after the program for work, but my eligibility to work (visa, etc) will be less certain compared to starting work in the U.S. right after graduation.

What eased this uncertainty to some extent is hope from the longterm perspective—having spent so much time in China and the U.S., I am certain that my ultimate career/ life trajectory will be somewhere between the two countries, or if I'm lucky, bridging the two countries. I am confident that being a Schwarzman Scholar will lay an important and firm foundation for me to achieve my long-term goal, which probably outweighs the short-term hassles. Similarly, for personal relationships—a lifelong relationship should be able to withstand one year of separation!

TT: What do you hope to accomplish as a Schwarzman Scholar, and how does this feed into your longterm goals? How has your time at MIT or beforehand contributed to these goals?

Gong: I am very passionate about sustainable development, particularly energy transition. I worked at BCG for three years before coming to MIT as an LGO fellow, so my approach to this issue is predominantly from the business perspective, but both the project work at BCG and classes I've taken at MIT have made me realize that government and regulation plays a huge part in the energy transition. I want to equip myself with knowledge in business, technology, and policy-BCG and MIT helped me achieve the first two, and I hope I will achieve the third at Schwarzman.

In addition, I have had ample exposure to the manufacturing and industrials sector from both projects at BCG and the LGO program—I think this sector will play a huge role in achieving sustainable development in the future, and I'm grateful to have had the chance to build lots of connections and some extent of expertise in this sector.

TT: Do you have any advice for students interested in this scholarship?

Gong: Don't be intimidated by a rejection! This is my second time applying.

REGAINING CONFIDENCE

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ICE AND FIRE

CAMPUS LIFE, p. 8



THE ART OF BAKING

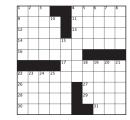
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BIDEN LEGACY, CITIZEN-SHIP ORDER, CLIMATE PACT **WORLD LEADERS, TARIFF** THREATS, BORDER EMERGENCY.

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Small fish in a big pond

By Vivian Hir

EXECUTIVE EDITOR

so much, which makes me feel like it was

not worth going to this school," my mom

texted in the family group chat a month

ago, "This place destroyed your self-con-

My mom texted this after I confessed

feeling imposter syndrome at MIT. I was coming setbacks and struggled with moti-

lose so much self-confidence that I am not it is critical for me to have a basic level of

an all-time low in my MIT career was that perceive myself that shapes my self-confi-

before. These series of events made me confidence?" Unfortunately, I never came

fidence and gave you too much pressure."

livid when I saw her text. I wanted to coun-

ter her statement by saying that going to

MIT was worth it and overall positive, but

I didn't know how to respond at the mo-

ment. The next morning, I fired back in the

group chat, saying "Ok enough my self-

confidence would have been destroyed at

In hindsight, what my mom said wasn't

wrong. She had a point. I like to think of

MIT as the place that made me become

more resilient and comfortable with fail-

ure. I must admit, however, that being a

small fish in a big pond here has made me

sure how long it will take me to regain con-

What made my self-confidence reach

senior fall was my worst semester academ-

ically. In one of my classes, I struggled sig-

nificantly on the exams and problem sets

that I worried about failing the class. In

another class, my midterm grade dropped

significantly from the first to second mid-

term; it was unlike anything I experienced

wonder if this semester was just an unfor-

tunate one, or that my next semester was

fidence after I graduate.

"MIT makes you look down on yourself

Spring semester may not be easier, but one thing that is under my control is whether I want to develop good habits. By developing better habits in academics and life. I have confidence that these

didn't really feel helpful or insightful.

choice had been in late August.

Other Symbols Thundersto OO Haze

▲ ▲ ▲ ▲ Cold Front

Warming Weekend

By Lou Lahn STAFF METEOROLOGIST

After a stretch of really chilly weather, the weekend looks to be warming up a bit, though evening lows are still well below freezing. The snow may be on its way out with the warmer weather, so take the opportunity to get out and enjoy some winter beauty while it lasts! A walk along the Charles River esplanade may be a great way to get outside for a while.

the JANUARY 23 SITUATION FOR NOON (ET)

Extended Forecast

around 28°F (). Southwest wind around 7-11 Tonight: Mostly clear. Low around 20°F (). West

wind around 10 mph. Friday: Sunny. High around 30°F (). West wind around 10-14 mph.

Today: Mostly cloudy. High

THURSDAY, JANUARY 23, 2024

Saturday: Sunny. High around 27°F () and low around 21°F (). West wind 9-13 mph.

Sunday: Mostly sunny. High around 35°F () and low around 25°F (). West wind 14-16 mph.

MIT SIPB launches the beta version OpenGrades, a fully anonymous evaluation platform

OpenGrades has seen over 1300 reviews distributed over 500 different classes

By Boheng Cao and Vivian Hir

On Dec. 12, 2024, MIT's Student Information Processing Board (SIPB) launched a beta version of OpenGrades, a platform where students can anonymously share information about classes at MIT since Fall 2021. On OpenGrades, users can post class reviews and numeric or letter grades they received in their classes. Additionally, users can submit class-specific documents that include syllabi and assignments, information that is currently inaccessible on the Institute's subject evaluation reports.

Senior Mohamed Suufi '25 began developing OpenGrades in June 2022. What motivated Suufi to develop OpenGrades was his dissatisfaction with the MIT's course evaluations. The reports consist of numerical ratings of various questions on a scale from 1 to 7; student feedback and other information like grade cutoffs are not published. "What does it mean that you rated the class 5 out of 7?" Suufi said. "What cost you those two points?"

As a result, information such as grade cutoffs often involve asking previous students who took the class. However, Suufi noted that it was hard to pinpoint exact answers. For instance, he recalled his frustration when upperclassmen "told me [the cut- Suufi, full reviews are defined as reviews off was like a 70" for a particular class but that contain class-specific details, rather others "told me it's a 60." Suufi also men- than just a grade or a short text. First-year tioned challenges in obtaining other types undergraduates account for more than one-

knowledge about a class primarily gets make up just 2%. passed down by word of mouth. "There's so much information that's just lost, and the only way it gets down is from seniors to freshmen," Suufi said. "So I wanted to fix

Besides issues with the course evaluation system, another factor that inspired Suufi to start OpenGrades was encountering the Harvard Syllabus Explorer when he cross-registered at Harvard. The Syllabus Explorer allows students to search and download course syllabi regardless of their class registration status. This accessible feature inspired Suufi to replicate this tool when developing OpenGrades. "I was like, 'why don't we have that?" Suufi said.

After spending two years developing the code base for OpenGrades, Suufi collaborated with SIPB for testing and troubleshooting in the later stages of development before its initial release in Dec. 2024. SIPB Chair Inna Voloshchuk '27 and SIPB Keyholder Diego

Temkin '26 helped with the project. As of this writing, OpenGrades has over 600 activated users, with 1350 reviews distributed over some 500 unique classes. Yet only around 400 of these reviews are what Suufi considers full reviews. According to

of information like tips and advice because third of the users, while graduate students

Despite some bugs upon its release, OpenGrades has been received positively by students Ekaterina Tiukhtikova '28 noted its helpfulness in filling out spring preregistration, and Grayson Bertaina '25 supported its goal of academic transparency and "would have utilized it heavily" as a first-year had it been available earlier. Sydnev Saenz '26 said that some of their classes are "very secretive" about cutoffs, adding that "OpenGrades could let me know where I stand grade-wise in a class."

While OpenGrade's 200 weekly users and steadily accumulating reviews have "definitely surprised" Suufi, some of its popularity still stems from a Dormspam raffle incentive that ended on January 15. To retain interest. Suufi has considered establishing long-term cash incentives or making site access contingent on a certain number

of reviews per semester. He also thinks that stigma around sharing grades, especially grades below an A, has stifled some interest and inflated grade averages on the site. Despite this, he holds hope that increased OpenGrades usage will normalize grade transparency at MIT. "I think all these data points are very valuable, especially when they deviate from what is considered okay," Suufi said. According to Suufi, the new OpenGrades feature allowing

to ease this normalization.

One of OpenGrades's defining characteristics is its anonymity for student reviewers and the lack of access to faculty, as this is enforced by MIT Touchstone login. Unlike traditional course evaluations, OpenGrade reviews are visible to students and invisible to professors. When confronted with the possibility that instructors might see leaked reviews, Suufi expressed doubt that any student would be "tight [enough] with their professor."He also did not support the possibility that reviews could be "trace[d] back to an individual student." In case of abuse. Suufi added a report button that flags suspicious or inaccurate reviews. But it has seen

As for future directions, Suufi will focus on attracting students, particularly upperclassmen and graduate students that can review less frequently taken upper-division classes. In this vein, he hopes to separate reviews for undergraduate and graduate versions of the same classes, which frequently have different assignments and grade cutoffs. In addition, Suufi plans to make some usage statistics public and design a filehosting system to store syllabi. Finally, he plans to grant recent alumni and past affiliates access to the website.

"It's relatively new to the MIT community," Suufi said. "But I think over time, I hope more people are open to sharing informafor direct grade report uploads is expected tion about classes or their grades.

Are you handy with a

Regaining confidence, one step at a time

of academics, like running long distances

and writing articles that my friends en-

joyed reading. But I would always retort

these thoughts by saying that no one in

graduate school or the corporate world

cares about these aspects about me, be-

cause they are not directly related to my

that makes finding self-confidence so

hard. As a small fish in a big pond, I con-

stantly compare myself with others, even

though it obviously doesn't do much good

to me. But it is hard to not compare myself

when I am surrounded by people who are

Sometimes, I remind myself that the

one of the best scientists and engineers in

student body at MIT is not representative

of the average population, but that barely

reassures me. Most of the time, I ignore

that fact, and return to feeling bad about

It's as if the only things that would give

being below average academically at MIT.

me self-confidence are factors that would

validate my intelligence and competency,

traits that are emphasized a lot not only

at MIT, but in the job market. This narrow

mindset bothered me a lot, but I struggled

to truly seek confidence from other things.

The question occupied my mind through-

gaining confidence one of my New Year's

When I wrote out this New Year's reso-

lution in my YearCompass booklet [1], I

was aware that sticking to this resolution

would require changing the way I talked

to myself subconsciously, which is a sig-

nificant undertaking. Logically speaking,

Perhaps it is being in the MIT bubble

career or academics

the country and world.

doomed to experience the same fate.

It wasn't until last semester that I re-

alized how important it was to have self-

confidence. In high school, I knew that I

had some issues with self-confidence, but

it was nowhere as bad as now. My aca-

demic performance might have been simi-

lar regardless, but I am sure that my low

self-confidence made things worse. Worse

in the sense that I had a hard time over-

vation. How I viewed myself also affected

my mental health, as I felt depressed and

hopeless at times about my academic

so drained at the end of the year that I

came to this dark realization: no one else

can help me become more confident ex-

cept myself. In other words, I need to learn

how to become best friends with myself. If

I don't change, the internalized thoughts

I have can affect my mindset and actions,

so much that it can change my future out-

comes, for better or for worse. Therefore,

say positive things about me, it's how I

dence in the end. On a similar note, I can

acquire more accolades and achievements

wouldn't necessarily help me gain self-

confidence in the long run.

that would make me feel better, but that

As a result, one question I had through-

out last semester was "how do I regain

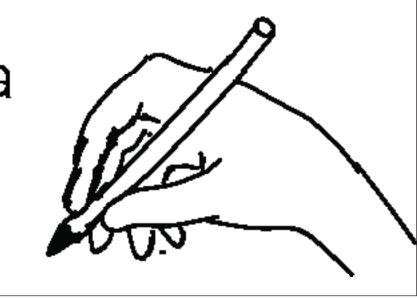
closer to an answer by the end. I tried to

find confidence from my strengths outside

Although my family and friends can

My low self-confidence made me feel

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DID YOUR MIT ESSAYS **GET YOU IN?**

The Tech is collecting successful application essays (hint: yours!).

Email your pieces to cl@the-tech.mit.edu!

Joanne Chang

that inspire me."

that inspire me.'

By Leona Gottselig

"I wanted to wake up excited to go to

On the evening of Thursday, Jan. 16,

Joanne Chang, the owner of Flour Bakery +

Cafe (known to MIT students as Flour) and

James Beard Award-winning pastry chef,

hosted the MIT Arts Scholars community

for The Art of Baking, a relaxed conversa-

tion with Chang on her background and

journey to becoming one of the most cel-

ebrated chefs in Boston and beyond. She

shared stories about her Harvard edu-

cation, her challenging switch in career

paths from consultant to cook, and lessons

learned on how to successfully lead teams,

craft recipes as a home baker, and navigate

Chang admitted that she did not al-

plied Mathematics and Economics at Har-

vard University and baked for fun on the

side. She joked, "I would bake chocolate

chip cookies for my applied math study

Chang went on to graduate with honors

and worked for two years in management

consulting, following the path she had cre-

ated for herself at Harvard. "I wasn't sure

what I wanted to do," she said, but "in my

doubts about her decision. "It was a labor-

intensive, hot, difficult job... sometimes it

Chang persevered and was promoted. She

began to notice the pastry chef's dessert

station and took a special interest in bak-

to open a bakery or restaurant to "get your

foot in the door" by working at one and

making connections with the chefs and

Chang's interest in baking eventually

We get you the tickets.

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bakery entrepreneurship.

work... Now, I find things I do every day

Karissa Chen debuts her first The Art of Baking with Flour Bakery Founder Homeseeking, at the Harvard Book Store

Chen shares the inspiration and research behind her book in a conversation moderated by Celeste Ng, New York Times bestselling author.

By Lucy Cai

On Jan. 13, Karissa Chen visited the Harvard Book Store to introduce her debut novel, Homeseeking. In a conversation moderated by Celeste Ng, the New York Times bestselling author of Little Fires Everywhere and Everything I Never Told You captivated the audience with a moving excerpt and reflected on the research behind the novel and the photo that inspired her to

Published on Jan. 7, Homeseeking is a historical fiction novel that follows the story of two lovers, Suchi and Haiwen, as thev meet in childhood and are torn apart by the Chinese Civil War. When Haiwen enlists in the Nationalist army in 1947 and leaves for Taiwan, he doesn't expect to be gone for decades. "Following Suchi and Haiwen across a story of family, sacrifice, and the power of enduring love.

Though Homeseeking is Karissa Chen's first novel, it is not her first creative endeavor by far. Her fiction and essays have been published in magazines like The Atlantic, Eater, and The Cut. She is also the current editor-in-chief of Hyphen Magazine, which is dedicated to Asian American stories., Previously, Chen served as the senior fiction editor at The Rumpus, an online literary magazine.

The event kicked off with an excerpt: Chen read from the second chapter of her book, a three-and-a-half page scene set in a 99 Ranch Market in Los Angeles in 2008, where Haiwen meets Suchi for the last time. The scene follows Haiwen as he sees her across the grocery store floor and cautiously approaches, having "mistaken so many women for Suchi over the last four decades." It turns out that Suchi has just moved to LA

a couple of years ago to help take care of her nese Communist Party (CCP) that the CCP tory." Ng added, "We really don't learn any grandchildren. A brief conversation ensues. where the two share small talk on Haiwen's 2 million people, some as young as twenty, recently passed wife, Linyee, and his new American name, Howard.

The scene was both beautifully written and beautifully read. Chen's descriptions of the setting and the characters place readers squarely in the midst of the scene. A frequent customer of Asian grocery stores myself, it was easy for me to imagine the Korean melons Suchi is occupied with when Haiwen sees her, "their skins the color of

Chen's portrayal of lost love is convincing: though the interaction is brief, both the familiarity and distance between them is clear. Suchi speaks to Haiwen in Shanghainese, their childhood dialect, and an "aching relief" runs through him. Yet time has decades, borders, and lifetimes," the book is made them foreign to one another: "People call me Howard now," Haiwen says, and Suchi struggles to pronounce his new name. Chen read this dialogue with empathy for both characters, resulting in an enrapturing

Ng followed with questions about the book's origins. "The genesis of this book really came for me all the way back in 2005," Chen explained. "My grandfather had passed away then, and we were going through his things, and we found this photograph of him weeping in front of his mother's grave." For Chen, her grandfather had always been a stoic Asian grandfather, so to see him weep haunted her. She knew her grandfather was separated from his family at 19, but she didn't know the context of the story, and this compelled her to start

She learned about the Chinese Civil War, the Nationalist Party (KMT) and the Chi-

ultimately won. Her grandfather was one of who fled Mainland China for Taiwan to help set up a new government, believing they would stay for only a few years. Most ended up staying for decades. As Chen lamented, they "had left behind families, children, parents, lovers, [and] wives," The more Chen understood her grandfather's story, the more she realized there were oth-

er stories like his.

To research the stories of these people who had left behind their lives in China, Chen went to Taiwan to learn more. Though she had hoped to interview Nationalist Party members who were members of this exodus, she found that she was too late. The soldiers of that generation had already passed away or weren't in good health, and many were unwilling to talk about their experiences. "Instead," Chen stated, "I found people who were willing to talk about their parents... or even grandparents, in some

Chen found that these generations were much more willing to talk about what had happened; they, too, were trying to put the pieces together. "People would say they found out all kinds of things about their fathers that they didn't know because their fathers never wanted to talk about it." Some of Chen's interviewees even found out in their forties that their fathers had a whole other family

When asked how much of this history she knew before researching the book, Chen admitted that she didn't know much. "I didn't really know that there was a Chinese civil war... I didn't know about the history of how the Nationalists ended up in a military conflict in the late 1940s between Taiwan. There's so little that I knew, which is such a shame, because it's my own his-

Another unique feature of Homeseek-

ing, beyond its historical backdrop, is its timeline: Chen tells Suchi's story forwards, from childhood to old age, and Haiwen's story backwards. Though Chen believes the structure works well, she struggled with it: "For a while, I was really stalled out because I didn't know what the structure was going to be like." At a month-long writer's residency, she came to a revelation while listening to Jason Robert Brown's "Last Five Years" album, a musical about a couple getting divorced. The first song starts with the woman singing about the end of her marriage, and the next song features the man singing about their first date. They eventually meet in the middle, and then separate again Chen thought, "Wait a second, I think this could work for the book, because it not only works on a structural level... but it works thematically." Suchi, whose storyline runs forwards, prohibits herself from dwelling on the past; Haiwen, whose storyline runs backwards, regrets what could have been. Karissa Chen is not yet planning any

future projects. Having just had a baby, her next goal is to work on photo books of him, which Ng called "a beautiful full circle, because this book started with a photo of [Chen's] grandfather." Though Homeseeking is a work of fiction, what Chen hopes readers will take away is that Suchi and Haiwen's story exemplifies the experiences of real immigrants who went through the same hardships. "Sometimes we can react to immigrants and refugees with suspicion or impatience," she stated. "I just always hope that at the very least, this book can make you a little more empathetic to that struggle... and understand that there's a lot

Chang: "I wanted to wake up excited to go to work... Now, I find things I do every day

Joanne Chang discusses her journey to starting Flour with the MIT Arts Scholars program, at the Erie St. Flour location on

ing". She would frequently invite friends inspired her to take the leap to open the over to her apartment in Somerville and original Flour Bakery + Cafe in the South host dinner parties with all her culinary End. And for six years, she ran the bakery. Although she loved her work, it wasn't all She realized she did not want to coneasy. At times, she "even wanted to sell tinue consulting long term, and decided to it." But Flour's popularity continued to pursue cooking. She wrote letters to four grow. Chang strived to foster an environment where her staff could make people's restaurants in Boston; by a stroke of luck, she got a call back from one with an open days. "The world is about that connection," position because someone had just quit. she said. In 2007, a second Flour location She was hired at Biba in Boston to opened. Today, Chang owns nine Flour make "bar food," cooking chicken wings locations in Boston and Cambridge and and scallion pancakes. Chang was eager is planning to open a tenth location this

> spring in Boston Common. As Flour has expanded, Chang has developed recipes, expanded her menu, and written cookbooks. She has also opened a restaurant with her husband and is lead-

ing a growing team of employees. Chang chatted with the audience about how she learned to be a good home baker. She recommends finding cookbooks and experimenting with them, which taught her to "understand the proportions and reactions that work." Practice, she stated, will "build your toolkit" of baking knowl-

edge. Baking is an art form, but it also requires precision and experimentation.

Chang's time working at restaurants helped her amass foundational knowledge of many recipes, which aided in recipe and menu creation. In fact, Chang's triple chocolate mousse cake is inspired by a recipe from the first restaurant she worked at. She now has a pastry chef who provides additional expertise. In a process of trial and error, he brings many variations of recipes. The duo tastes them together and then makes changes.

Flour might never have had a savory menu if it were not for a critical, early decision by Chang. Originally, she wanted Flour to be a patisserie, serving only pastries and sweets. But, she received advice from a fellow chef, who told her, "You'll be working hard anyways, why not expand your menu... give people a reason to come for lunch?" With this in mind, she changed her business plan and decided to serve sandwiches in addition to her baked goods.

As Flour grew, she began to miss the

Sol. to Brief Intermission

from page 5

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experience of training employees as she had done at her first location. She began to write cookbooks to draw on her love of teaching. She now has published five cookbooks, four of which focus on baking, and is working on a sixth about cookies.

THURSDAY, JANUARY 23, 2024

Chang's story and amazing success is inspiring: pursue what fuels your passion and makes you excited to wake up every morning. On a leap of faith, she switched paths from management consulting to the culinary arts, and found an incredibly rewarding career. Just from hearing Chang talk about Flour, I can tell that she truly loves what she does. Chang's stories were met with a warm round of applause. Inspired students lined up to take photos with her and thanked her for motivating them to pursue careers they truly love.

The MIT Arts Scholars program organized the event, and provides MIT students access to exclusive art-related events, including concerts and museum tours. For more information, consult the Arts Scholars website or contact Rayna

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Biz pays the bills

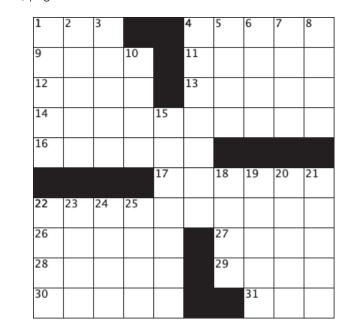
Join the Business Department of The Tech

Email join@tech.mit.edu



Brief Intermission

by Manaal Mohammed '25 Solution, page 4



Across

01 Potential alcohol alternative 04 Flag pin location

09 It can come in sheets

11 Radiate 12 Skillful

13 Halfhearted

14 Fresh start, perhaps

16 Crayola headquarters city 17 Hot rice porridge

22 Play it cool

26 Knucklehead 27 Popular boba tea flavor

28 ____ computing

29 Fine deposit

30 Decline 31 "Science Guy" Bill

10 Without ice, say

01 Blessing over a meal

15 "Not possible!"

18 Grape and Brazil, e.g.

20 Too soon

21 Mexican street corn

22 Some movie theaters

23 Pepsi, for one

24 "High School Musical" love

interest

02 Speak in Spanish 03 Two of the humors 04 "Uh...no" 05 Skating jump **CAMPUS** 06 Cocoon stage 07 Tweak 08 Story starter 19 "Settlers of Catan" resource 25 Person or place, say

ways want to be a chef. She studied Apgroups... so people would help me in exchange." spare time I was always cooking and bakto work in the restaurant business, but had felt like it was a mistake," In spite of this, ing. Today, she advises anyone who wants WEATHER CIENCE

Trump has long been critical of the United Nations' health agency, indication that he will impose a 25% tariff on imports from Canaand his administration formally began a withdrawal from the WHO in July 2020 as the Covid-19 pandemic continued to spread. But four years Trudeau congratulated Trump ago, then-President Joe Biden halted the US' exit from the body tasked and said Canada looks forward with coordinating the international response to health emergencies in to working with the new adone of his first actions after taking over the White House.

— Betsy Klein, FROM CNN

Panama rejects Trump vow to 'take

Panama's president has rejected a plan by Donald Trump to "take back" the Panama Canal, telling his US counterpart the key trade route "is and will remain" in the country's hands. In his inaugural speech, President Trump claimed that Panama had "broken" a promise to re-

President Jose Raul Mulino said he rejected Trump's words in their entirety", adding there is "no presence of any nation in the world that interferes with our administration". The Panama Canal is one of the US's most important trade routes, with about 40% of all the country's container ships passing through the waterway between the Atlantic and and whether America should re-

In Milei's Argentina, Trump sees a

Argentine President Javier Milei ran on stanching inflation, cutting federal spending and improving the economy. Sound familiar? President Donald Trump and members of his coterie have spent the run-up o his return to the White House heaping praise upon his Argentine counterpart. Trump has called him his "favorite president." Milei attended Trump's inauguration on Monday, joining him in the first moments of his

Milei, an antiestablishment ultra-capitalist, entered politics as an outsider, gained fame on television programs and is known for brash, sometimes outlandish antics and gravity-defying hair. The comparisons to Trump write themselves.

— Bryan Pietsch & David Feliba, FROM THE WASHINGTON POST

Trump delivers fresh tariff threats

U.S. President Donald Trump on Tuesday vowed to hit the European Union with tariffs and said his administration was discussing a 10% punitive duty on Chinese imports because fentanyl is being sent from

White House a day after taking office without immediately imposing

tariffs as he had promised during his campaign

Financial markets and trade groups exhaled briefly on Tuesday, broader duties and a new Feb. 1 deadline for 25% tariffs against Canada and Mexico, as well as duties on China and the EU.

ORIGINALLY PUBLISHED JANUARY 22, 2025

The Trump administration on Tuesday dramatically broadened the scope of expedited deportations, enacting a nationwide expansion of an immigration policy known as "expedited removal" that was previously

Expedited removal allows U.S. immigration officials to deport mi-

— Camilo Montoya-Galvez, FROM CBS NEWS ORIGINALLY PUBLISHED MONTH DAY, YEAR

World & Nation is a two-page column featuring news articles syndicated from a selection of major newspaper outlets, covering topics of public interest and critical information which extend beyond the bounds of THE TECH'S coverage as centered around the MIT and local community. ership of syndicated content is retained under theil nal respective publications, and is republished in this format to serve as an easily-accessible, printed digest for

The column consists of two pages, with Side A focused on US news and politics and Side B on topics of international concern. The articles featured here are abridged as to contain only their most essential points; readers are directed to read more about an article from its original

Trump signs executive recognizing

President Trump signed a sweeping executive order Monday during his first hours in office recognizing only two sexes, male and female, and directing federal agencies to cease promotion of the concept of gender transition. The order, which Trump signed from the Oval Office, is part of a broader campaign promise to rid the nation of what he has called "transgender insanity" and reverse diversity and inclusion initiatives instituted by the Biden administration.

"As of today, it will henceforth be the official policy of the United States government that there are only two genders: male and female," Trump said Monday in his inaugural address.

— Brooke Migdon, FROM THE HILL

Rubio unanimously Marco confirmed as secretary of state

The Senate voted unanimously to confirm Sen. Marco Rubio as secretary of state on Monday, making him the first confirmed member of President Donald Trump's Cabinet in his second administration.

All 99 senators voted in favor of Rubio, including Rubio himself. There's currently one vacancy in the chamber due to Vice President J.D. Vance resigning in mid-January. Rubio, the first Hispanic American to hold the position, is expected to resign his position in the Senate shortly.

Rubio's experience as the top Republican on Senate Intelligence Committee gave his resume the necessary credentials to earn the public backing of a number of Democrats.

> — Allison Pecorin & Shannon K. Kingston, FROM ABC NEWS ORIGINALLY PUBLISHED JANUARY 20, 2025

Trump orders all federal DEI promises to be a long legal battle employees placed on paid leave starting Wednesday

The Trump administration is ordering all federal employees in diversity, equity and inclusion roles placed on paid leave by Wednesday evening, according to a new memo from the Office of Personnel

The memo, issued Tuesday to heads of departments and agencies, sets a deadline of no later than 5 p.m. ET Wednesday to inform the employees that they will be put on paid administrative leave as the agencies prepare to close all DEI-related offices and programs and to remove all websites and social media accounts for such offices

— Zoë Richards and Caroline Kenny, FROM NBC NEWS birthright citizenship was "extraordi-

Trump's last-minute decision to go Trump vows to leave Paris big on Jan. 6 pardons took many allies by surprise

President Donald Trump's decision to pardon virtually every person arged in connection with the Jan 6, 2021, attack on the U.S. Canitol was made at the last minute as the inauguration approached — and it surprised some of his supporters and aides. "He is who he is," a person who worked on Trump's transition team told NBC News. "Expectations are sometimes set as best as can be expected, and sometimes they change quickly."

Two officials who worked on Trump's transition said the decision to do a sweeping pardon was made just days before the inauguration. — Matt Dixon, Henry J. Gomez & Garrett Haake,

FROM NBC NEWS

ORIGINALLY PUBLISHED JANUARY 22, 2025

Trump pushes Hill GOP on recess appointments, debt limit

President Donald Trump prodded congressional leaders to consider recess appointments for his top nominees and expressed interest in announced a "national energy trading California wildfire aid for a debt limit increase in a White House emergency," outlining a raft of meeting Tuesday — resurfacing two controversial proposals floated during the returning president's transition

The discussions, which were described by two people granted anonymity to describe the private talks, also touched on his proposal to exempt at least some tip income from federal taxes and his efforts more generally to extend tax cuts.

— Rachael Bade, Meredith Lee Hill

Trump sets out to erase Biden's legacy right after taking office

Zeke Miller, Chris Megerian & Michelle Price

> FROM ASSOCIATED PRESS INALLY PUBLISHED JANUARY 21, 2025

Donald Trump began erasing Joe Biden's legacy immediately after taking office as the nation's 47th president, pardoning nearly all of his supporters who rioted at the U.S. Capitol on Jan. 6, 2021, and issuing a blizzard of executive

orders that signal his desire to re-

make American institutions. It was an aggressive start Monday for a returning president who feels emboldened and vindicated by his unprecedented political comeback. Four years after being voted out of the White House, Trump has a second chance to launch what he called "a golden age" for the country.

He signed orders for increasing border security, designating drug cartels as foreign terrorist organizations, limiting birthright citizenship, freezing new regulations and ORIGINALLY PUBLISHED JANUARY 20, 2025 establishing a task force for reduc-

ing the size of the federal govern- Trump supporters who upended cluding those relating to climate change and diversity, equity and inclusion initiatives.

Trump said that walking back into the already-remodeled Oval Office after his inauguration was "one of the better feelings I've ever release. had." Unlike during his first term, when new staff members scrambled to figure out what exactly their president was trying to achieve, Trump moved rapidly and methodically to advance his agenda Monday

His first action after arriving at the White House was pardonconnection with the Jan. 6 attack, even if they had been convicted of assaulting police officers. Trump commuted the sentences of another 14 people, including leaders of the Oath Keepers and the Proud

sweeping cloak of impunity for one of George Washington

ment. He also rescinded dozens the country's tradition of peaceof directives issued by Biden, in- ful transfers of power by trying four years ago. Trump described them as "hostages" and said he expected them to be freed shortly A crowd gathered outside a Washington, D.C., jail to welcome their

Trump's inauguration combined formal ceremony and freewheeling rhetoric, a reminder of how Trump can abide solemnity for only so long before going off script with a blend of humor and vitriol. Before leaving the White House for an evening of inaugural balls, Trump spent nearly an hour ing about 1,500 people charged in parrying questions by reporters.

He promised that tariffs on Canada and Mexico were coming, suggested that he might visit China and praised the decorators for the new look of his Oval Office. Among other changes, a portrait of Frank lin Delano Roosevelt that had been The decision amounted to a hung by Biden was replaced with

Twenty-two states sue to stop citizenship birthright

Mattathias Schwartz & Mike Baker

FROM THE NEW YORK TIMES UBLISHED JANUARY 21, 2025

Attorneys general from 22 states sued President Trump in two federal district courts on Tuesday to block an executive order that refuses to recognize the U.S.-born children of unauthorized immigrants as citizens, the opening salvo in what over the Trump administration's im-

Eighteen states and two cities, San Francisco and Washington, D.C., challenged the order in Federal District Court in Massachusetts, arguing that birthright citizenship under the 14th Amendment is "automatic" and that neither the president nor Congress has the constitutional authority to revise it. Four other states filed a second lawsuit in

the Western District of Washington. Mr. Trump's attempt to limit ORIGINALLY PUBLISHED JANUARY 22, 2025 nary and extreme," said New Jersey's

attorney general, Matthew J. Platkin, asserts that the children of such who led one of the legal efforts along with the attorneys general from California and Massachusetts. 'Presidents are powerful," he

said, "but he is not a king. He cannot rewrite the Constitution with a stroke of the pen. Nick Brown, the attorney general in Washington, said Mr. Trump's order would deny citizenship to

150,000 newborn children each year. "It would render them undocumented at birth. It could even render them citizens to no country at exceptions — such as the children of all," said Mr. Brown, whose state was joined by Oregon, Arizona and

On Monday, in the opening hours of his second term as president, Mr. Trump signed an order declaring that future children born to undocumented immigrants would no longer be treated as citizens. The order would extend even to the children of some mothers in the country legally but temporarily, such as for-

eign students or tourists.

noncitizens are not "subject to the iurisdiction" of the United States. and thus aren't covered by the 14th Amendment's longstanding consti-The order flew in the face of more

than 100 years of legal precedent, when the courts and the executive branch interpreted the 14th Amend ment as guaranteeing citizenship to every baby born in the United States, regardless of their parents' legal status. The courts recognize only a few accredited diplomats, and children born in U.S. territory that is under

the control of an occupying army. "It's so outlandish that it's almost assured to be struck down," predicted Akhil Reed Amar, a professor at Yale Law School, who expressed shock at the order's breadth. Even former Vice President Kamala Harris, whose mother was a foreign student when she was born, might be impacted. "The person who drafted

this order was not doing Donald Mr. Trump's executive order

FROM BBC PUBLISHED JANUARY 20, 2025

President Donald Trump has once again vowed to withdraw the US from the Paris climate agreement, the world's most important effort to tackle rising temperatures.

The first Trump administration made a similar move in 2017, but that step was promptly reversed on President Joe Biden's first day in of-

The US will now have to wait a year before it will be officially out of the pact. The White House changes that will reverse US climate regulations and boost oil and gas production.

It comes after global temperatures in 2024 rose more than 1.5C above pre-industrial levels for the first time in a calendar year.

While the Paris agreement is & *Iordain Carney*, not a legally binding treaty, it is the FROM POLITICO document that drives global co-op-ORIGINALLY PUBLISHED JANUARY 21, 2025 eration to limit the causes of global the Capital One Arena in Washing-

climate pact and 'drill, baby, drill'

President Trump's antipathy to this co-operative approach was echoed in his statement in 2017 that he had been elected to "represent the people of Pittsburgh and not

This temperature threshold was established in the Paris agreement as a level beyond which the world can energy all over the world," he would face extremely dangerous The US will now join Iran, Ye-

men and Libya as the only countries to currently stand outside the agreement, which was signed 10 years ago in the French capital.

At the White House on Monday evening, Trump signed the order to withdraw from the Paris climate accord, including a letter to the United Nations explaining the He also announced a "national

energy emergency" to reverse many of the Biden-era environmental regulations. Trump called the Paris agreement a "ripoff" during a speech at ture climate policy that channelled

"We will drill, baby, drill," he said earlier in his inaugural address. The new president also vowed

the US would embark on a new age of oil and gas exploration. "We will bring prices down, fill our strategic reserves up again, right to the top, and export Ameri-

told the audience. 'We will be a rich nation again, and it is that liquid gold under our feet that will help to do it."

However, US fossil fuels are already flowing like never before. Since 2016, production of American oil has gone up by 70%, and the US is now the world's dominant

producer and exporter. Similarly Liquified Natural Gas (LNG) exports have gone from almost zero in 2016 to the US becoming the global lead.

The new administration says the president will also end the "green new deal", a reference to the Inflation Reduction Act, Biden's signa-

25% tax on goods from Mexico review existing trade agreements Trump declares national emergency at Mexico border

FROM THE NEW YORK TIMES ORIGINALLY PUBLISHED JANUARY 20, 2025

THURSDAY, JANUARY 23, 2025

Helen Regan

FROM CNN

ORIGINALLY PUBLISHED JANUARY 20, 2025

World leaders congratulated

President Donald Trump on his

inauguration Monday, with many

urging stronger alliances or con-

tinued cooperation between their

countries and the United States,

in carefully crafted social media

House portends a seismic shake-

up in international relations, with

the new president immediately

ordering the US' withdrawal from

the Paris Climate Agreement and

World Health Organization, as

world leaders brace for new tar-

iffs on goods and the impact of

Some populist leaders cel-

ebrated Trump's return, including

Indian Prime Minister Narendra

Modi, who called the US president

a "dear friend," and Hungary's

Victor Orbán who declared, "now

David Goldman & Elisabeth

Buchwald

FROM CNN

RIGINALLY PUBLISHED JANUARY 21, 2025

President Donald Trump said

in an Oval Office signing cer-

emony Monday evening that his

administration will impose 25%

tariffs on Mexico and Canada

on February 1, an extraordinary

change in North American trade

policy that could raise prices for

Trump still outlined his broad-

er trade policy for his second term

in an executive action Monday.

But that action — described by

sources as a "placeholder" —

doesn't institute new global tar-

iffs that Trump promised on Day

As a candidate, Trump pro-

posed sweeping and across-the-

American consumers.

it's our turn to shine.'

Trump's "America first" agenda.

Trump's return to the White

posts and statements.

return to the White House

congratulatory

the Oval Office.

trolled by Panama.

But not all the messages were

Some leaders expressed their

anger at remarks Trump made

during his Inauguration Day

speech, or with the controversial

raft of executive actions he signed

almost immediately after entering

Mulino rejected Trump's prom-

ise that the US would be "taking

back" the Panama Canal. The vital

waterway in Central America was

built by the US but is now con-

to be Panama's," Mulino reiterated

in a statement. "There is no pres-

ence of any nation in the world

that interferes with our admin-

istration," he added, apparently

referring to Trump's claim that

Other regional neighbors were

Cuba condemned Trump's

decision to put the Communist-

run island back on the US list of

Mexico and Canada on Feb. 1

60% levy on goods from China.

He also pledged to use tariffs as

a negotiating tool on other coun-

tries, including, for example, Den-

mark — putting pressure on the

European nation to give control

of Greenland to the United States.

fice signing ceremony about tar-

iffs on China, Trump noted exten-

sive tariffs he imposed during his

first administration were still in

effect after former President Joe

Biden largely left them in place.

And on universal tariffs, Trump

punted, saying, "We may, but

Monday directed the secretaries

of Commerce and Treasury and

the United States Trade Represen-

tative to investigate the causes of

America's trade deficits with for-

eign nations, to determine how

to build an "External Revenue

The executive action signed

we're not ready for that just yet."

Asked Monday at an Oval Of-

Kayla Tausche, Kevin Liptak, and Canada, plus a punishing

board tariffs: up to 20% on im- Service" to collect tariffs, to iden-

ports from all countries, with a tify unfair trade practices and to

China is "operating" the canal.

also critical of Trump.

"The Canal is and will continue

Panama's President José Raúl

President Trump declared a national emergency at the U.S.-Mexico border on Monday, invoking special presidential powers that allow him to unilaterally unlock federal funding for border wall construction and potentially to deploy the military and National Guard to the border.

Mr. Trump took a similar step during his first term as a way to circumvent Congress and access billions of dollars that lawmakers refused to approve to build a wall along the border with Mexico. He once again empowered the military to support the Border Patrol support and help procuring detention space.

But in a separate order, Mr. Trump appeared to go further by giving the military a specific refirst term, the military only sup- mally constrain the president.

but did not apprehend migrants. Mr. Trump now directed the Defense Department to come up with a plan in 30 days "to seal the borders and maintain the sovereignty, territorial integrity, and security of the United States by repelling forms of invasion, including unlawful mass migration, narcotics trafficking, human smuggling and trafficking, and other criminal activities."

While details on the exact plans remained unclear, the directive for the military could run afoul of laws that limit the use of regular federal troops for domestic policing

As he did in his first term, Mr. Trump relied on the National with logistical planning, drone Emergencies Act, a post-Watergate law that allows the president to declare a national emergency, which enhances his executive powers. The act was intended to enable the federal government to respond sponsibility over immigration en- quickly to a crisis by creating exforcement. During Mr. Trump's emptions to rules that would nor-

wide latitude in determining what constitutes a national emergency," said Matthew Dallek, a political historian at George Washington University. "If they say it looks like a duck and walks like a duck and quacks like a duck, well, unless the courts say otherwise, it's a duck." The law requires that the

president inform Congress which statutes he is using as a basis to invoke specific emergency powers. In 2019, Mr. Trump relied on a law that permitted the executive branch to use military construction funds in a declared national emergency

Congress is limited in what it can do to stop a president from using his emergency powers. Under the National Emergencies Act, the House and the Senate can pass a joint resolution to end the emergency status if they believe that the president is acting irresponsibly or the threat has dissipated. The law says that if one chamber passes such a measure, the other must bring it up in 18 days.

World leaders welcome Trump's

state sponsors of terrorism, with

its president calling the move, "an

"This is not surprising. His goal

is to continue strengthening the

cruel economic war against Cuba

Cuban President Miguel Díaz-

Cuba's Foreign Minister Bruno

But outgoing Canadian Prime

more conciliatory tone, despite

Trump's recent jibes about mak-

ing Canada the 51st US state and

da and Mexico on February 1.

ministration, "while protecting

and defending the interests of

for potential improvements.

It also directs the government

agencies to analyze how the US-

Mexico-Canada trade agreement

(the USMCA) signed by Trump in

can workers and businesses -

his first term is affecting Ameri-

main in the free trade agreement

Trump's action requires agencies

to assess whether stricter US trade

policy could successfully restrict

the flow of fentanyl and the flow

of undocumented migrants into

deserve an America First trade

policy," Trump's executive action

said. "Therefore, I am establishing

a robust and reinvigorated trade

policy that promotes investment

and productivity, enhances our

Nation's industrial and techno-

economic and national security,

and — above all — benefits Amer-

ican workers, manufacturers,

farmers, ranchers, entrepreneurs,

logical advantages, defends our

"Americans benefit from and

the United States.

for the purpose of domination,

Canel wrote on X.

act of arrogance and disregard for

As part of a flurry of executive orders on President Trump's first day in office, the newly inaugurated president signed orders calling for renaming the Gulf of Mexico as the Gulf of America and changing the name of Denali back to Mount McKinley.

"America will reclaim its rightful place as the greatest, most powerful, most respected nation on earth inspiring the awe, admiration of the entire world," Mr. Trump said in his inauguration speech. "A short time from now, we will be changing the name of the Gulf of Mexico to the Gulf of America and we will be restoring the name of a great president, William McKinley, to Mount McKinley, where it should be and where it

ORIGINALLY PUBLISHED JANUARY 21, 2025

Rodriguez also issued a scath-Trump announces US withdrawal ing response to the decision, from World Health Organization saying Trump was "drunk with

ORIGINALLY PUBLISHED JANUARY 21, 2025

Trump threatens tariffs on back' Panama Canal

main neutral, alleging that "China is operating the Panama Canal".

— Dearbail Jordan, FROM ВВС ORIGINALLY PUBLISHED JANUARY 20, 2025

road map. What does it show?

second term at an event to which world leaders are not usually invited.

ORIGINALLY PUBLISHED JANUARY 21, 2025

against EU and China

China to the U.S. via Mexico and Canada Trump voiced his latest tariff threats in remarks to reporters at the

but his latest comments underscored Trump's longstanding desire for

— David Lawder & Andrea Shalal, FROM REUTERS

U.S. expands expedited deportations beyond border areas as part of Trump crackdown

limited to areas close to U.S. borders.

grants who lack proper documents through a streamlined process that bypasses the lengthy and massively backlogged immigration court system. If those identified for expedited removal do not request asylum or fail to establish they may have a legitimate asylum case, they can be expeditiously deported, without an opportunity to see an immigration judge.

4

8 THE TECH
THURSDAY, JANUARY 23, 2024

AN ELLIE FOR YOUR THOUGHTS

Ice and Fire

Dear Em*,

Are you my Halley's Comet or my North Star?

By Ellie Montemayor

PUBLISHER

To My Halley's Comet

An avoidant and a dependent: it's a story that has no right to exist. It's ice and fire, her faded blue bob and modest mini to my crimson-red split-dye and chained-up plaid skirt. (See: *Dear Ex-Girlfriend*, another column from "An Ellie For Your Thoughts.") And it's day and night, her spotlight-eluding shyness to my attention-seeking gaudiness.

She holds up an unbreakable guard to her soul that I want, oh so desperately, to hold and understand and make part of mine — while I share every part of mine to her, in my words and in my writing. I hope that piece by piece she might hold and understand and make those parts of mine hers.

I want her to know that I would never hurt her.

At times it feels as though every moment I don't already spend with her is spent thinking about her. I think about her to the point that it hurts.

Her guard comes down sometimes, though far from frequently, and when it does, I catch the most mesmerizing glimpses of the person she wants to be — the person she could never really let herself be. Perhaps she's afraid that if she does, she'll only get hurt all over again. I want to tell her over and over that I would never hurt her. Honestly, I say this to myself, that statement, for myself as much as for her.

I say it to myself, too, because I've hurt people before. No matter how much I don't mean to, I've hurt every person I've ever loved as well. Once, while they thought I was asleep, two people I care about quite deeply had a conversation about me that I think about even to this day:

"She keeps saying she's grown as a person," the first person said. "But honestly, I don't think she has."

And the other responded: "She only cares about herself."

That hurt me so much, what they said about me, and it made me feel the pain I'd caused other people all these years. It haunts me, that past version of me — that version of me that perhaps still lives inside me to this day — and I've never really known how to live with it

Perhaps that's why I try so hard to protect my lovely little bluehaired girl, to keep her safe. Perhaps that's why I masked so much around her — trying to seem the perfect person that would always be able to protect her. (Honestly, perhaps I was really just trying to protect her from myself.)

And perhaps that concealed part of me knows that if I don't put in every piece of my soul in devoting myself to that lovely little blue-haired girl practically to the point of worship, that someday she might fall from grace in my mind and I'd end up trampling all over her... and leaving her broken in the same way I've always done to anyone I've ever loved.

Regardless of anything, I'm such a selfish person, no matter how much I tell myself I'm not. I'm a selfish and hurtful bastard who only hurts everyone around me.

I think that's why I'm so devastated every time she goes away: because the person that she makes me be — the best approximation of that best version of me — goes away, too.

Ever since I met her, I wanted to be better. I tried to be better. I'm trying to be better. For her. Always for her.

But I hope she'll love me as I am now, even though I'm not that "best version" of myself that I could possibly be. I hope that I only need to be myself.

And I don't only care about myself, not anymore. I care about her. I want her to know that, and I want myself to know that, too. At times, I think I need myself to know that more than she does. (I want to believe myself when I say that I'm worth loving, too.)

I want to tell her all of this, my lovely little blue-haired girl, because I want her to know me for who I really am. There's a lot of me for her to know. This isn't all of it, not in the least, but it's a start. I hope it's enough for her. Hell, I hope it's enough for me.

I think about some of the rare times that she allows herself to lower that unbreakable guard of hers.

When we lie down on a patch of grass and stare at the night sky together, pointing at the scattering of stars that lightly dot the dark and vast canvas of the universe, and I glance at that lovely little blue-haired girl, seeing stars in her eyes, there's nothing I can do but want to have her all for myself.

She thinks about all the secrets of the universe, and I think

And I wish to myself that she might move closer. And she wishes to herself, maybe, that she could let herself do that. Perhaps she wishes to herself that she might be able to stare at the sky without my or anyone else's invading presence, that she might feel herself part of the unconscious and uncaring machinations of an indifferent cosmos—or perhaps she wants to let go of that shyness and keep me all for herself, too.

At times I keep her tethered to the ground—tethered to me—thoughtlessly, perhaps inconsiderately, perhaps even selfishly. Perhaps I keep her from reaching the stars, where she belongs.

I have stars in my eyes every time I see her, and I think of the life we might have together.

Perhaps I should let go of my own tether and let her shape that dream, too. And then we might step into the abyss together, and we'd make our own light along the way.

Oh, Em, my lovely little blue-haired girl, can you be more than my Halley's Comet?

To My North Star

To my lovely little blue-haired girl who always makes my day:

I know you read my most recent column. (See: Notes from a Hope(less/ful) Romantic, another column from "An Ellie For Your Thoughts.") And I know you didn't like it. I know it upset you, and I know that it made you feel like I hated you. I want you to know that I don't

When you called me two days ago, crying, asking: Why did you write this? I wasn't sure what to tell you then. We talked about it, and we figured it out then, but I'm writing these letters now to tell you everything I wanted to say that I couldn't out loud and everything I want you to know.

Love, I can't pretend that you've never hurt me.

The time I spent without you, when you went away last year, I think about it all the time. It hurts me even now, however much I try to move past it.

Sometimes, I'm afraid that if I let my guard down again — like I did back in the spring of last year — that you might hurt me, regardless of how much you don't want to, all over again. It's coming up on February again, around the time when you first went away last year. And I'm scared. I'm really scared that—even if I know with all my heart that it won't happen again—it might actually happen again.

And it did happen, again, even if it was by accident, didn't it? I didn't hear from you for three weeks last month. I know, love, why it happened, and I know that you didn't mean to. I know that everything started to be all too much all at once; I can relate to end-of-semester woes all too much.

But what happened hurt me every day; I already told you that. It was fresh wounds over old ones.

And I thought about you every day; I told you that, too.

"If she hasn't talked to you in three weeks, is she even still your partner?" one of my housemates said to me at the end of last month. It felt like a punch in the gut. I knew exactly how to respond; I'd said it over and over again. "Yes, she is," I responded. "I know her better than that. She wouldn't leave me. Not again."

I know you felt that pain, too, feeling like I left you alone for all that time. It was a shared pain borne of miscommunication and misgivings. (We've had a lot of those in the past year that we've known each other, haven't we? I know we're not perfect, no matter how much we try to be.)

Perhaps a concealed part of you is too scared to love, too scared to lower your guard around me in fear that I might hurt you. Perhaps other people have hurt you in the past, brought you to the ground and trampled all over you, and even today you're afraid that it might happen again. Perhaps that's why it's so hard for you to give in to love and life.

Despite it all, you're such a loving person, no matter how much you tell yourself you're not. You're such a loving and caring person who makes everyone around you better.

I think that's why I'm so devastated every time you go away: because the person that you make me be — the best approximation of that best version of me — goes away, too.

I hope that, in the times that you're away from me, you're also working on approaching your own best version.

But I still want you to know that you don't need to be — your own "best version," that is. I fell in love with you the way you were then. I love you the way you are now.

My greatest hope is that you care about yourself as much as I care about you. Because you are worth loving, as am I. I want you to believe me when I say that. I'm not sure you always will, so I'll make sure to keep saying it for as long as I'm by your side.

I'm telling you all of this, my lovely little blue-haired girl, because I want to know who you are. Perhaps if I'm honest enough with you, letting my guard down enough for you to know my best and my worst, that you'll be honest with me, too.

I'm hoping that if we both let down our guards enough, that we might be able to make this work.'

The challenges ahead are going to be tough, I know that. They'll try to break us and threaten to destroy what we have. They'll make us think that our best times are long past — that all we can do is keep pressing rewind to that first date on Newbury St — but you and I know better than that.

Still, the fear of losing you again will never really leave me, I

But I know it won't happen. I know you won't let it. I know you won't leave me again. I know I can count on you, that I can trust you. I promise I trust you. I trust you. You know I do, and you know I always will. They say I can't count on you, but I know I can. Because you're my lovely little blue-haired girl. Things change, and people change; I hope the two of us can change for the better, not just for ourselves but for each other.

I've written about you, in my papers and in my thoughts, more times than I can count. And I'll keep writing about you over and over until there's a piece of our story for every star in the sky.

I have stars in my eyes every time I see you, and I think of the life we might have together.

You know I can't promise you a lot of things — but I can promise you my devotion and commitment. I can promise you me. I hope you can promise me you.

Oh, Em, my lovely little blue-haired girl, will you be my North Star?

Are you a tetris ninja?

Use your powers for good!

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