thetech.com

Volume 142, Number 8

WEATHER, p. 2 Partly Sunny. SAT: 64°F | 42°F

Thursday, April 14, 2022



One of several "oil spills" around campus this weekend that were put up by MIT Divest to bring attention to the institute's fossil fuel

MIT's Values Comm. releases first official values statement

'Evolving' document of values contains series of steps, three sections of 'Excellence and Curiosity,' 'Openness and Respect,' 'Belonging and Community'

By Wenbo Wu

EDITOR IN CHIEF

The Values Statement Committee has released the Institute's first official values statement alongside a committee report, President L. Rafael Reif, Provost Cynthia Barnhart PhD '88, and Chancellor Melissa Nobles wrote in an email to the MIT community April 12.

The values statement is divided into three sections: "Excellence and Curiosity," "Openness and Respect," and "Belonging and Community."

In the "Excellence and Curiosity" section, the values statement states that MIT community members "strive for the highest standards of integrity" and "intellectual and creative excellence," seeking "new knowledge and practical impact" in "service to the nation and the world." They "prize originality, ingenuity, honesty, and boldness"; draw "strength from MIT's distinctive roots"; learn "by doing"; and "blur the boundaries between disciplines to solve hard problems." The statement added that MIT "welcome[s] quirkiness, nerdiness, creative irreverence and play."

The "Openness and Respect" section states that the MIT community "champion[s] the open sharing of information and ideas." MIT community members "cherish free expression, debate, and dialogue in pursuit of truth" and "commit to using these tools with respect for each other" and the community. They also "strive to be transparent and worthy of each other's trust"; "challenge [themselves] to face difficult facts, speak plainly about failings in our systems, and work to overcome them"; and "take special care not to overlook bad behavior or disrespect on the grounds of great accomplishment, talent, or power."

Finally, the "Belonging and Community" section states that MIT community members "strive to make [their] community a humane and welcoming place where people from a diverse range of backgrounds can grow and thrive," where everyone "feel[s] that [they] belong." The statement adds that "wellbeing in mind, body, and spirit is essential," as are "decency, kindness, respect, and compassion for each other." MIT community members "value one another's contributions in every role." The statement concludes by stating that community members "shoulder the responsibility" to use their "uncommon strengths" with "wisdom and care for humanity and the natural world."

The committee's report states that the values statement is intended to be "a living document, evolving as needed over time," and recommended a series of steps to bring "the values statement to life," including beginning "formal action

Values, Page 2

Morningside Design Academy announced to be launched Sept.

Academy to be housed in the newly renovated School of Architecture and Planning and be led by Prof Ochsendorf

By Kristina Chen PUBLISHER

MIT will launch its Morningside Academy for Design in September 2022, President L. Rafael Reif announced in an email to the MIT community March 14.

Supported by a \$100 million gift from The Morningside Foundation, the philanthropic arm of the T.H. Chan family, the academy was first envisioned by a design initiative advisory committee and its recommendations made in April 2021.

The academy will be housed in the School of Architecture and Planning (SA+P) and will be led by a director, Professor of Architecture and Civil and Environmental Engineering John Ochsendorf, and associate director, Associate Dean in the School of Engineering Maria

Reif wrote that the academy will "amplify the impact of MIT's existing world-class programs in design," by enhancing its ability to promote design education at MIT and elsewhere, to support faculty and students in design endeavors, and to collaborate and "develop compelling solutions to humanity's great challenges."

A SA+P webpage about the academy writes that it will provide a "hub that will encourage

Design, Page 2

IN SHORT

No classes will be held on Patriots' Day, Monday, April 18.

Drop Date is Tuesday, April 19.

The Class of 2024 Ring Delivery is April 24.

Interested in joining The Tech? Email join@tech.mit.edu.

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

A banner hangs over the Lobby 7 covid drop-off station in appreciation of its staff after closing, Friday.

MIT selected five flagship projects for the Climate Grand Challenges

Transformative projects to be presented at April 21 showcase

By Kristina Chen PUBLISHER

MIT has selected five flagship

projects for its Climate Grand Challenges research program, according to an email from President L. Rafael Reif April 11. After nearly 100 proposals were submitted for the grand challenges,

27 finalists were invited to develop

comprehensive plans for their proj-

ects. From the finalists, MIT select-

ed five teams to proceed as flagship

projects with additional funding and support from the Institute.

"These projects will define transformative new research agenda at MIT with the potential to make meaningful contributions to the global climate response," Reif

The five selected projects are named: "Bringing computation to the climate challenge," "Center for electrification and decarbonization of industry," "Preparing for a new world of weather and climate

extremes," "Reinventing climate change adaptation," and "Revolutionizing agriculture with lowemissions, resilient crops."

Summaries of the projects can be found at the Climate Grand Challenges website.

"Bringing computation to the climate challenge" is led by Professors Raffaele Ferrari and Noelle Eckley Selin. The project intends to create a platform that improves

Climate, Page 2

THE NORTHMAN

Disappointing utilization of exceptional actors. ARTS, p. 4



CAMPUS PREVIEW WEEKEND

Prefrosh experience MIT. PHOTO, p. 6

REGRESSING

Fall down seven times, get up... none? **CAMPUS LIFE, p. 5**

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WEATHER

Severely nice weather

By Shushu Fang and Amena Khatun

STAFF METEOROLOGISTS

Gray skies from CPW will continue for the rest of this week, bringing fog and slight chances of showers, rain, and occasional thunderstorms. A warm front is moving through the northeast region, bringing milder temperatures than seen in the rest of the country. Several states are predicted to experience severe weather such as blizzards, wildfires, and tornadoes. Colorado is battling multiple distinct wildfires that started last Sunday. North Dakota put a blizzard warning into effect on Monday morning expecting about 24" of snowfall. Texas and Louisiana are expecting tornadoes.

While many states are preparing to face the calamities of nature, the northeast is enjoying cloudy weather with a chain of rain. In this comparatively nice weather, grab your umbrella and take a walk to appreciate some dark clouds.

Extended Forecast

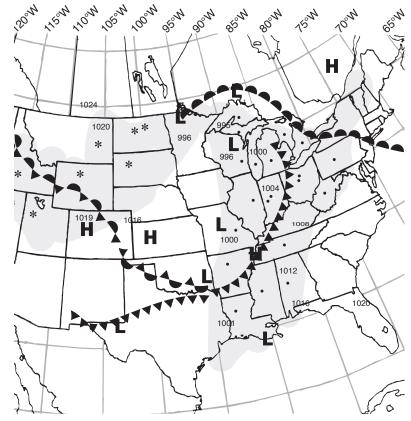
Today: Cloudy with a slight chance of rain. High around 60°F (16°C). Northeast winds around 5-10 mph.

Tonight: 50% chance of showers and thunderstorms. Low around 46°F (8°C). North wind 7

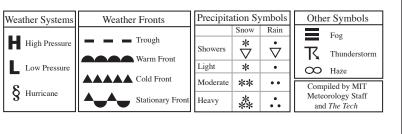
Friday: Partly sunny with some showers. High around 61°F (16°C) and low around 47°F (8°C). North winds around 6-8 mph.

Saturday: Partly sunny. High around 64°F (18°C) and low around 42°F (6°C). South winds around 10-17 mph.

Sunday: Mostly sunny with clear skies. High around 55°F (13°C) and low around 39°F (4°C). West winds around 9-13 mph.



Situation for Noon Eastern Time, Thursday, April 14, 2022



Statement as promise to each other for the community

Values, from Page 1

to implement" the statement; visible "commitment and action from senior leaders, managers, and faculty"; building "dialogue and address community pain points regarding accountability and research staff equity as early demonstrations of putting the values in action"; connecting "the values with policy, human resources, and business practices";

growing "awareness of the values throughout MIT, followed by ways to foster action to bring the values to life in every local context"; and recognizing the MIT "community motto" of "Mind, Hand, Heart."

Reif, Barnhart, and Nobles wrote in their email that the values statement is "not an attempt to restate MIT's policies on conduct and community standards, nor a pledge to be signed, submitted and enforced" but rather

"expresses a promise we make to ourselves and to each other about the kind of community we aim to create together."

They wrote that incorporating the values statement into orientation events and "creating a communications campaign" about the statement will begin in the Fall 2022 semester. They added that in regards to free expression, "the Working Group on Free Expression will share a more ex-

pansive report and recommendations on these themes in coming months."

The Values Statement Committee was charged by then-Chancellor Barnhart and former Provost Martin Schmidt PhD '88 in December 2020 and headed by AeroAstro Professor and Department Head Dan Hastings SM '78, PhD '80 and Deputy Director of the MIT Libraries Tracy Gabridge

MIT to also renovate Building W41 for new SA+P space

Design, from Page 1

design work at MIT to grow and cross disciplines among engineering, science, management, computing, architecture, urban planning, and the arts," as well as strengthen MIT's efforts to

address issues of global importance, including "climate adaptation, public health, transportation, and civic engagement."

Additionally, beginning in 2022, MIT will renovate Building W41, the Metropolitan Storage Warehouse at the intersection of

Massachusetts Avenue and Vassar Street, as a new physical space for SA+P and its units, including the new design academy. To be completed in 2025, the renovated warehouse will include classrooms, design studio space, faculty offices, and meeting and

collaboration areas.

MIT's background in design education includes the nation's first architecture program, a major and minor in design, MIT D-Lab, and the DesignPlus learning community recently created by the Office of the First Year.

John Kerry and Reif to participate in chat about climate

Climate, from Page 1

the accuracy of climate models, quantifies their uncertainties, and addresses the trade-off between performance and computation time by developing a "digital twin of the Earth" that uses "more data than ever" in its climate projections. The team will then create emulators of the twin to maintain accuracy in predicting climate variables while also being fast and easy to run.

"Center for electrification and decarbonization of industry" is led by Professors Yet-Ming Chiang ScD '85 and Bilge Yildiz PhD '03 and proposes an innovation hub to unify the efforts of research groups, departments, and schools across MIT toward decarbonization in favor of electricity-driven chemical transformations.

The center aims to transition its "most promising projects to full commercialization within five years"

"Preparing for a new world of weather and climate extremes" is led by Professors Kerry Emanuel PhD '78, Miho Mazereeuw, and Paul O'Gorman. The project plans to build a scalable toolkit for making improvements in predicting extreme weather events and their effects, focused initially on cities in the U.S. and in Africa, which communities and stakeholders can prepare and adapt.

"Reinventing climate change adaptation with the Climate Resilience Early Warning System" (CREWSnet) is led by Professor Elfatih Eltahir SM '93 and Assistant Leader of the Humanitarian Assistance and Disaster Relief Systems Group at the Lincoln Laboratory John Aldridge. CREWSnet will combine climate science, impact modeling, and accessible decision support tools within "an established humanitarian and social development environment" to build a forecasting system, development model, and interventional tools for climate adaptation. It will begin its work in climate-vulnerable areas of Bangladesh and partner with other organizations committed to social and humanitarian progress. "Revolutionizing agriculture

with low-emissions, resilient crops" will be led by Professor Christoper Voigt and will address the challenges of eliminating greenhouse gas emissions from fertilizer and creating climate-resilient crops by developing sustainable phosphorus and

potassium extraction processes, rather than mining them from non-renewable resources and replacing the energy-intensive Haber-Bosch process with biological nitrogen fixation through engineered plants and microbes.

MIT will hold a showcase with a live webcast for the five projects April 21 at 10 a.m. ET. Before the presentations of the projects, Special Presidential Envoy for Climate John Kerry and Reif will begin the showcase with a fireside chat about climate issues. Additionally, President and CEO of FirstLight Power Alicia Barton, President and CEO of the Natural Resources Defense Council Manish Bapna '91, CEO of MathWorks Jack Little, President of Actuate Arati Prabhakar, and President of The Engine Katie Rae will speak at the event.



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Thursday, April 14, 2022



Are you dying to tell someone your latest ephiphany?

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Solution to Confusion

from page 11

8	4	3	7	2	5	9	6	1
1	6	5	9	4	7	2	8	3
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Solution to The Grind

from page 10

2	5	4	7	3	8	6	1	9
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Solution to Non-Stop

from page 9

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Solution to Mania

from page 8

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Solution to Midterm

from page 8

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Solution to Email

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The Spring 2022 Karl Taylor Compton Lecture

Reality Check: Facts under Assault, Democracy Threatened



Martin Baron

Executive Editor, The Washington Post, 2013–2021

Thursday, April 21, 2022 4 pm | Huntington Hall (10-250)

All members of the MIT community are invited

Covid Pass users, no registration is required.

Non-Covid Pass users,

please scan the QR code to register in advance for a Tim Ticket.



COMPTON LECTURES



get on the front page



4 THE TECH
THURSDAY, APRIL 14, 2022

ARTS ARTS ARTS ARTS ARTS

MOVIE REVIEW

The Northman fails to live up to expectations

Robert Eggers's latest film leaves the audience desensitized to brutality

By Jamie Fu and Shreya Karpoor

Spoiler alert: Major plot points are discussed in this review.

Known for his tales of violent gore, Robert Eggers delivers another brutal story with his latest film, *The Northman*. The nihilistic tale follows Amleth (Alexander Skarsgård) on his quest to avenge his father and reclaim the throne from his murderous uncle. While the plot presents an adaptation of Shakespeare's *Hamlet*, it is not nearly as intentional or well-written. Amleth's thirst for revenge is idealized and mistaken for honor — to him, there is no greater glory than dying in the fields of battle.

Amleth enters princehood after going through a bestial experience with his father (Ethan Hawke): hollering, burping, and farting as animals do. A wolf spirit possesses him and King Aurvandill as they buck off the final chains of their humanity. Soon after, his uncle Thorfinnr (Claes Bang) triggers Amleth's revenge tale by delivering a killing blow to Aurvandill. Amleth escapes and enraged, he begins his transformation into the muscled warrior he must become to exact revenge, all the while chanting a promise to avenge his father, rescue his mother, and save his kingdom.

Along the way, he meets and falls in love with the beautiful white-haired Olga (Anya Taylor-Joy) who claims to have a cunning mind. Amleth steals away onto the boat where she is enslaved and returns to his kingdom in hopes of stealing back the crown. Together, Amleth and Olga wreak havoc, sabotaging Thorfinnr and attempting to rescue Amleth's mother (Nicole Kidman). For all of Olga's declarations of guile, we never really find evidence of it. Throughout her time with Amleth, her intentions are decidedly transparent. She follows Amleth no matter the foolishness of his actions, leaving us finding Olga's character forced and overly sexualized.

Rather than romanticizing the hero's tale, the film exposes the brutal realities of the Viking kill-or-be-killed lifestyle through action sequences and gore. Death takes the center stage as Eggers finds novel ways to enliven beheadings, mutilation, and abundant bloodshed. The characters on the screen are nothing more than animals in human flesh, slaves to their primal urges. The Northman is not for the fainthearted; it demands audiences examine the ravenous creature that lies beneath the human mind.

It's a relief, then, that the film showcases exceptional cinematography and a hefty budget, because it doesn't have much else

to offer. The Northman serves only those seeking an audiovisual experience for its own sake. Amleth undergoes no character development, staying true to his barbaric roots throughout the film. His desire to avenge his father precludes any potential redemption for his sins, shutting the door to considerations of his own personal happiness. Perhaps in true Viking nature, his sacrifices are glorified continuously throughout the film to the point of boredom. The viewer's initial disgust with the gore wears off within the first thirty minutes. Although the film begins to ask questions about the human desire for love, relationships, and happiness, it comes to an end before truly addressing any of them.

For a film with such exceptional actors, Eggers does not utilize them well. One might make the argument that the inconsistent Scottish-inspired accents were regional dialects, but this claim doesn't hold water. Despite their best attempts, the actors' lack of uniformity in their accents leaves viewers confused at best and disinterested at worst.

Even the action subsides into an anticlimactic finale at the "gates of hell." For a film that markets itself as a revenge tale, we fail to see Amleth's thirst for vengeance realized beyond ubiquitous beheadings. The audience is left desensitized to brutal****

The Northman

Directed by Robert Eggers

Screenplay by Robert Eggers and Sjón

Starring Alexander Skarsgård, Nicole Kidman, Claes Bang, Anya Taylor-Joy, Ethan Hawke, Björk, and Willem Dafoe

Rated R, In theaters April 22

ity without having gained any insight into the human experience. The characters fall short of the personalities they claim to exhibit. While the audience can certainly appreciate certain elements of the film, at the end of the day *The Northman* fails to live up to expectations.



ARTS WANTS YOU

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Regressing instead of progressing?

Honest feelings

By Vivian Hir
STAFF WRITER

"The MD-PhD program doesn't fit everyone's research interests, but don't let the difficult application process be the reason you don't apply." A few weeks ago, I asked my UROP mentor for graduate school advice, with one of my questions being why he chose the PhD route instead of MD-PhD. I never planned to be premed because MD-PhD programs seemed even more stressful and competitive than PhD programs, but I was curious nonetheless. What I remember most isn't his insightful answer about the differences between MD-PhD and PhD medical research, but rather his straightforwardness. It's a quality I am thankful he had. He gave me advice I wish I'd known from the start of the spring semester, that I shouldn't set such low standards for myself.

As I walked back to my dorm, I thought about what he had said to me about not setting low standards. What he had said was plain and uncomplicated, yet it carried so much weight. Before the conversation, I had been growing internally frustrated at my diminishing ambition. I didn't even journal about these problems, let alone talk about them with anyone. If I brought up the issue with my classmates, they would sympathize and say they were also hosed and burnt out, but that didn't make me feel much better.

I knew that the striking difference between my high school and college self when it came to motivation was troublesome, but I tried my best to ignore this feeling. After all, if some of my peers also experienced similar changes coming to college, then why should I worry? It wasn't until my UROP mentor remarked on taking risks that I realized I had to face what I was feeling. The fact that someone besides me noticed a problem with my attitude made the whole thing even more explicit.

In high school, I expected that coming to college would make me become a better version of myself: someone with better time management, stronger study habits, and more diverse interests. I imagined following in the footsteps of star college students from the college advice books I read, but this wasn't what happened. Over time, I became conscious of the fact that while I envisioned going forward with who I am as a person, instead I am going backward.

How I went from being a determined high school student to a lazy college student in a year puzzles me. I know I am being hard on myself by using the word "lazy," but this is honestly how I feel. While spring semester of my high school senior year was more relaxed, I refused to let senioritis take over. I still taught chemistry to high school students, competed in science tournaments, and wrote essays for scholarships. Now, I don't even have the energy to apply for scholarships or summer programs. I struggle to force myself to study for a midterm even though I worry about the result. My procrastination has increased, not lessened. Although I am active in certain clubs, my enthusiasm for taking on major leadership roles has waned. I am going backward.

My psychologist told me that the content in college classes is a lot more difficult, which is why I don't have as much time to

devote to other things, such as researching scholarships or summer activities. What she said regarding the differences between high school and college was reassuring, but the following sentence worried me. "It seems like you might be experiencing burnout." This was the last thing I wanted to hear. If my situation sounded like burnout, what did that mean for my next three years at MIT?

Perhaps the underlying reason I'm not as driven as before has to do with the fact that I am done with college applications. Arriving at this possibility disturbs me because it brings up something I don't want to admit to myself — that I am more complacent than before. If it weren't for college applications, would I have studied so hard for science competitions? Probably not. Even though I do intend to apply to graduate school, the process is more straightforward and predictable than college admissions. I wonder if the reason I put in so much effort in high school was more about wanting to get into a prestigious college than pure self-motivation. Thinking about my obsession with prestige in high school irritates me even more. I viewed acceptance from a top college as validation for my intellect and a confidence booster. After coming here, however, I have realized that it doesn't change anything. I still experience a lot of impostor syndrome and wonder how I got accepted in the first

I don't want to become the type of person who is satisfied with just going to MIT, because getting into a selective college shouldn't be the end goal. I don't want to just do well in school, get a nice

internship, and go to an excellent graduate school. I want to go beyond that and leave an impact on my school community. I want to live up to my potential. But the problem is that I don't have the motivation to achieve these basic goals I've defined for myself. My current mindset evokes the old phrase of "all talk and no action." It seems like as the weeks pass by, the more work I want to avoid. The chemistry side of me equates this situation with following the path requiring the lowest activation energy. The fear of struggling in computer science classes made me discard the idea of minoring in course 6 or majoring in course 6-7. I modified my four-year plan by removing extra classes I don't need to meet the minimum degree requirements.

However, the more I write, the more I notice how counterintuitive it is to think that something is fundamentally wrong with me. Instead of constantly trying to pinpoint my problems, I should be kinder to myself and think back to what my psychologist told me. If I take fewer units and reduce my outside commitments to focus on others that are more important to me, then maybe I will feel more motivated to learn. I need to keep reminding myself that although the ideal chart of one's progress in life is linear, progress in reality is full of ups and downs. There are days when I feel like I am stuck in the same position, but I can get out of this pit if I try hard enough. As depressing as it may sound, I want to try harder because my main source of dissatisfaction in life stems from not being the best version of myself. I want to escape this vicious cycle of thoughts for the sake of my happiness.

Do you have a story to tell?

Established 188

Can you tell a personal story in writing or in an interview?

The Tech wants to publish stories from the MIT community

Sample topics:

Experiencing discrimination at MIT

Choosing between divergent career paths

Your slice of MIT culture

Romance at MIT

Or anything else you can tell as a compelling story

Email cl@the-tech.mit.edu with stories or proposals



6 THE TECH THURSDAY, APRIL



CAMPUS PREVIEW WEEK

APRIL 7 – 10





14, 2022 The Tech **7**



END 2022

Prefrosh from across the country and world come to get a taste of what it's like to attend MIT, April 7 – 10.









Midterm

Solution, page 3

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

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 3

24×		30×			2
11+		90×		120×	
			3-		1
	60×			6×	4
5		12×			3
6×		2-			5

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.

18

46

48 49

Email Options by Billie Truitt

Solution, page 3

ACROSS

- 1 Kimono's wide belt
- 5 Clumsy person
- 9 Church keyboard
- 14 Woman's choir voice 15 Santa's laugh
- 16 Part of a poem
- 17 Nary a __ (no one)
- 18 Sci-fi saucers, for short 19 Get 100% on a test
- 20 Sondheim's "Isn't it rich?" tune
- 23 Deep black
- 24 Sch. in Tempe
- 25 Nearly all
- 28 Burglarize
- 30 Biggest of the Three Bears
- 34 Legendary sharpshooter
- 35 Fashion designer Vuitton
- 37 Nickname for a physician
- 38 The traditional newspaper industry
- 41 Showed the way
- 42 Hearts and clubs in a card deck

- 43 Not at all tight
- 44 Home for Eve and Adam
- 46 Colleagues of MDs
- 47 Supervisors at work
- 48 Swelled head
- 50 Jogger's pace
- 51 Focusing on the future
- 59 WWII submarine
- 60 Amazed
- 61 Environmental sci.
- 62 University of __ Dame
- 63 Grow weary
- 64 Toon bear or baseball great Berra
- 65 Classroom furniture
- 66 Matures
- 67 Stuck-up person

DOWN

- 1 Backtalk
- 2 __ vera (natural balm)
- 3 Astonish
- 4 Restrain one's emotions
- 5 Peanut butter that's not "smooth"
- 6 High, as a skyscraper

- 7 "Here comes trouble!"
- 8 Medicinal amount
- 10 Gain back

- 21 Small bays
- 22 Log house
- 25 Pancake syrup flavor
- 26 NO TURN __ (urban road
- 27 Rudely scornful
- 28 Lopsided wins
- 29 Yours and mine
- 31 Spanish farewell
- 33 Highest points
- 36 Old West tavern
- replace for you
- 45 New Jersey's largest city
- 49 Entryways through fences

- 11 Got taller
- 12 B __ "boy"
- 13 Tennis court dividers

- 35 "Tender" beef cut
- 40 What a locksmith can
- 47 Wedding figures with veils

25 | 26 | 27

51 52 53

62

- 9 Racetrack shapes

- sign)
- 32 Old West search party

- 39 One considering a verdict

- 50 "Been __, done that"
- 51 Endow, as a scholarship 52 Woodwind instrument
- 53 Goes bad, as fruit 54 Facts stored in computer
- 30 31 32 33 60 63 64 66 files

55 Tiny branch

58 Slick-talking

56 Image to click on

57 Canceled, at NASA

[2477] Alien Visitors





WE WILL HELP YOU LIFT GREAT STONES AND BUILD TOWERING MONUMENTS. OH, PYRAMIDS?

...YES. YEAH, WE HAVE THOSE. IN EGYPT. AND MEXICO. I THINK THEY USED RAMPS?

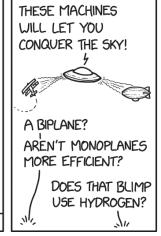
THEN WE SHALL BUILD A RING OF STONES ALIGNED WITH THE STARS, SO AT THE SOLSTICE-OH, LIKE STONEHENGE? DAMMIT, HUMANS.

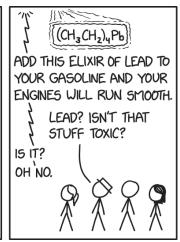
yet? Yes? Crap.

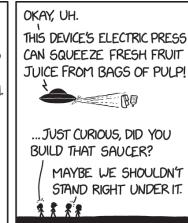


[2478] Alien Visitors 2









'Although fresh juice DOES sound--" "NO! For humanity to survive we must learn from the mistakes of the past."

Non-Stop

Solution, page 3

26+		 	15+	 	12×	32×	 	14+
4	-	28×	-			25+		-
16+			16×	22+		-	+ !	6
	4÷		-		108×			3
	45×	12×	5-	-		28+	1	32×
15×	-			5×			+	
	432×		22+		15+		2÷	
B÷			7	-		- 30×		-
	16+			-	4		7×	
			<u>.</u>					

The Grind

Solution, page 3

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

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.

A WEBCOMIC OF ROMANCE, SARCASM. MATH. AND LANGUAGE by Randall Munroe

[2491] Immune Factory

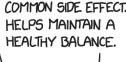
I GUESS THE FIRST SHOT MADE YOUR BODY BUILD DEFENSES, AND NOW IT'S RAMPING UP PRODUCTION. SO I'VE BECOME AN ANTIBODY FACTORY.



I DON'T FEEL GREAT. I
THINK MY FACTORY HAS
SOME OSHA VIOLATIONS.
MY LYMPHATIC SYSTEM
IS PROTESTING BRUTAL
WORKING CONDITIONS.



UPDATE: MY IMMUNE
CELLS HAVE UNIONIZED.
COMMON SIDE EFFECT.





IMMUNE SYSTEM UNIONS
ARE ACTUALLY WHY WE
STOPPED DOING VARIOLATION.
OH? WHY?

(THEY DON'T LIKE SCABS.



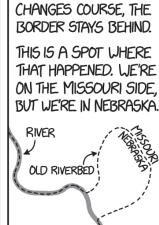




[1986] River Border

THIS IS A COOL SPOT.

THE MISSOURI-NEBRASKA STATE LINE FOLLOWS THIS RIVER. IF THE RIVER'S PATH CHANGES GRADUALLY, THE BORDER MOVES WITH IT.



BUT WHEN IT ABRUPTLY





could be charged with pieracy under marinaritime law.

I'm not a lawyer, but I believe zones like this are technically considered the high seas, so if you cut a pizza into a spiral there you

Confusion

Solution, page 3

8÷	72×	; ;	27+		i		6×	
		45×		-	- 16+		168×	
			1					1
16+	 	25+	 					2
6			11+	_	10+	1	32×	1
28×	48×			27+				
	9	-	3÷	210×	30×			6
6×	21+				8	-	- 180×	
		22+		-	- 18×	4×		-
4–		-	- 	8	-	126×		
	!		!				! !	! ! !

SPORTS BLITZ

Friday, April 8

• Softball won against Emerson College 14-0 (Final 5) and 10-3.

Saturday, April 9

- Sailing placed 11th of 12 at NEISA Team Race Championships. Sailing placed 4th of 9 at Connecticut College.
- Sailing placed 4th of 15 at United States Coast Guard Academy.
- Men's Heavyweight Crew at Donahue Cup placed V8: 1st, 2V8: 2nd, 3V8: 2nd, V4: 4th.
- Women's Track and Field placed 2nd of 4 at Tufts, Bates, and RPI.
- Men's Track and Field placed 1st of 4 at Tufts, Bates, and RPI. Women's Lacrosse won against Smith College 18-7.
- Men's Tennis won against Springfield College 7-0.
- Women's Tennis won against Springfield College 7-0.
- Men's Lacrosse won at Wheaton College (Mass.) 22-7.

Sunday, April 10

- Women's Lightweight Crew at Knecht Cup placed V4: 2nd, V8: 3rd, 2X: 6th.
- Women's Openweight Crew at Knecht Cup placed V4: 1st Petite Final, 2V4: 6th Grand Final, Novice/Frosh 4: 3rd Petite Final, V8: 4th Grand Final, 2V8 3rd Grand Final.
- Men's Lightweight Crew at Knecht Cup placed V8: 3rd GF, 2V8: 1st GF, V4: 4th GF, N4: 5th
- **Softball** won 7-2 and 11-0 at Clark University.
- Baseball won 12-1 and 14-8 at Clark University.

Tuesday, April 12

- Women's Tennis won against No. 38 Babson College 8-1.
- Baseball lost against Springfield College 7-9.

Wednesday, April 13

- Baseball lost against Endicott College 4-10.
- Men's Lacrosse won against William's College 13-12.
- Women's Lacrosse won against United States Coast Guard Academy 18-8.

When you join Production at The Tech and get paid to advertise The Tech in The Tech



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Upcoming Sports Events

FRIDAY 15

Women's Track and Field UConn Northeast Challenge

Men's Track and Field

UConn Northeast Challenge

Softball

vs. Worcester Polytechnic Institute

Baseball

vs. Wheaton College (Mass.) 3:30 p.m.

Women's Tennis

vs. No. 15 Bowdoin College 4:00 p.m.

SATURDAY 16

Women's Track and Field UConn Northeast Challenge

Men's Track and Field

UConn Northeast Challenge

Thompson Trophy

Sailing

Oberg Trophy

Women's Openweight Crew

vs. Boston College

Men's Track and Field

vs. Silfen Invitational

Women's Track and Field

vs. Silfen Invitational

Women's Lightweight Crew

vs. Boston University and Radcliffe (Muri Cup)

Men's Heavyweight Crew

Kerr Cup

Sailing

at Bowdoin College

Men's Lightweight Crew

Biglin Bowl

Softball

vs. Springfield College 12:00 p.m.

Women's Tennis

vs. Mount Holyoke College 12:00 p.m.

Baseball

vs. Wheaton College (Mass.) 12:00 p.m.

Women's Lacrosse

vs. Springfield College 1:00 p.m.

Men's Lacrosse

vs. United States Coast Guard Academy 1:00 p.m.

Men's Tennis

vs. Clark University 1:00 p.m.

SUNDAY 17

Sailing

Thompson Trophy

Sailing

Oberg Trophy

Sailing at Bowdoin College

Sailing

at Tufts University

TUESDAY 19

vs. Salve Regina 3:00 p.m.

Baseball

vs. Worcester Polytechnic Institute 3:30 p.m.

Women's Tennis

vs. Wellesley College 3:30 p.m.

WEDNESDAY 20

Men's Tennis

vs. Emerson College 3:00 p.m.

Baseball

vs. Tufts University 3:30 p.m.

Women's Lacrosse

vs. Wheaton College (Mass.)

sports·writ·er(s)

/'spôrts_rīdərs/

noun

noun: sports writers

journalists who write about sports.

No prior experience needed! Just an interest in sports. And probably writing.

For more information, please contact sports@the-tech.mit.edu