

# CMU Professor Mark Kamlet on automation’s future impact

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*Staffwriter*

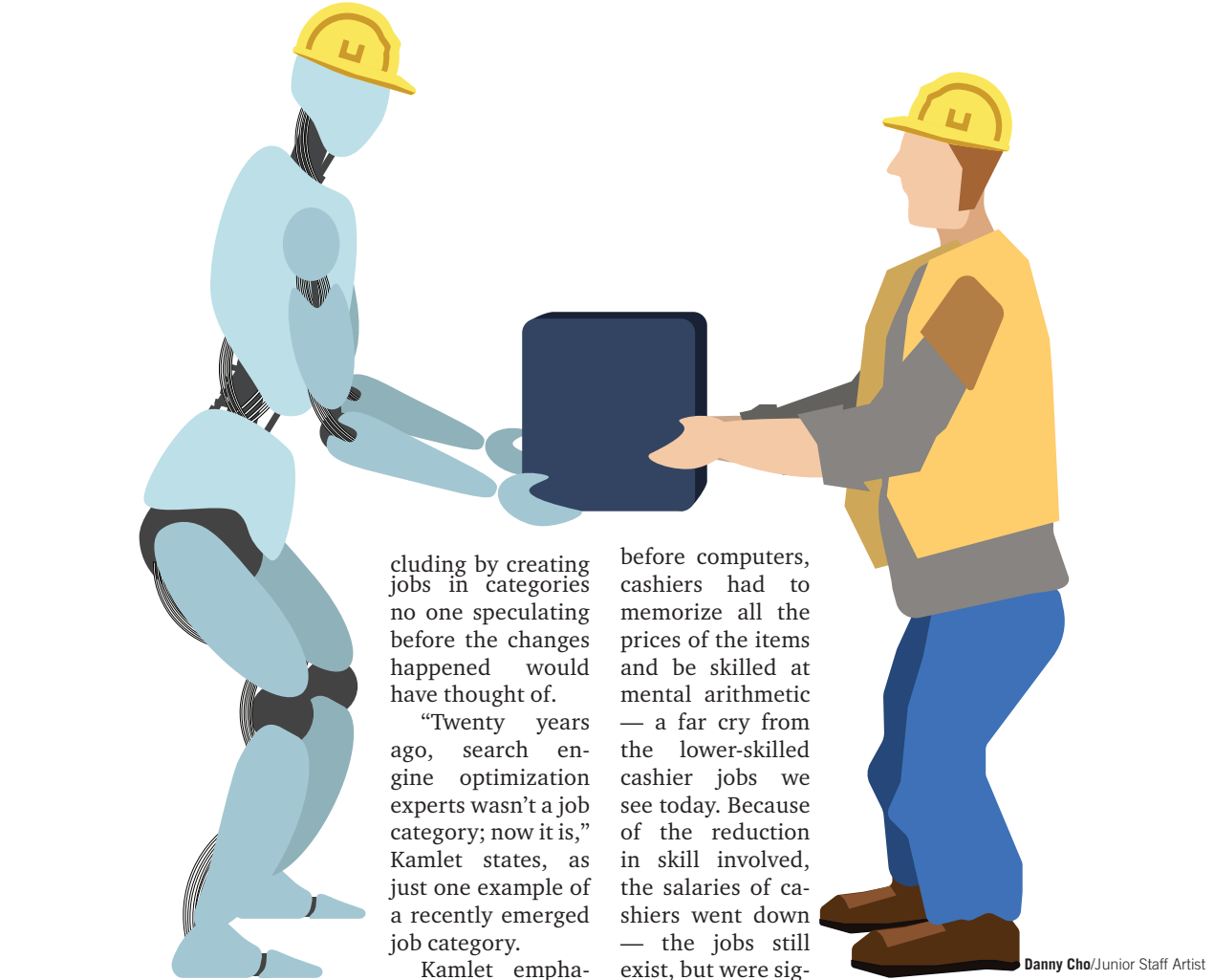
With the advent of self-driving cars and many other kinds of artificial intelligence technology making their way into every professional field, many researchers and the public wonder about the impact these technological advancements will have on human jobs if machines can — or potentially could perform — so many of the skilled tasks that humans currently perform. Mark Kamlet, a Provost Emeritus and University Professor of Economics and Public Policy at Carnegie Mellon, is currently pursuing research on the future of automation and its impact on the economy and people’s lives, along with Seth Goldstein, an Associate Professor of Computer Science at the university. In an interview with The Tartan, Kamlet discusses highlights of his research, its implications, his personal reasons for being involved, and what he wants to offer students in his seminar class this semester.

Though he has a doctorate in economics, Kamlet chooses to study automation in part because while economics can adequately

explain many phenomena, “economics has never been very good in explaining technological change.” He saw a hole in the field of economics when it came to assessing and explaining the impact of technology on society. Seeing the technological focus of Carnegie Mellon, he saw the intersection of economics and technology as an area of research that suited his interests and those of the university.

Being a researcher on automation and its social impacts, Kamlet believes that much of the public discourse about the future of technology and what that would mean for jobs is too black-and-white. The public tends to talk about the percentage of jobs that will be replaced by technology, but he has a more nuanced view: just because a job isn’t replaced by technology doesn’t mean that it won’t be impacted, either for better or for worse.

“Technological change, going way back, has always been disruptive,” Kamlet asserts. He cites the industrial revolution, when steam engines appeared and took away certain jobs while creating new, different ones. He acknowledges that some people are



affected more than others, and that the unemployed cannot always be retrained for the new jobs that paid similarly to their old jobs. But eventually, after some years, society reaches a balance with the presence of the new technology, in-

cluding by creating jobs in categories no one speculating before the changes would have thought of.

“Twenty years ago, search engine optimization experts wasn’t a job category; now it is,” Kamlet states, as just one example of a recently emerged job category.

Kamlet emphasizes that the impact of technology is not clear cut: it is not either lose the job or keep the job. Rather, most jobs will be impacted because the circumstances on the job change. He gave the example of cashiers. In the years

before computers, cashiers had to memorize all the prices of the items and be skilled at mental arithmetic — a far cry from the lower-skilled cashier jobs we see today. Because of the reduction in skill involved, the salaries of cashiers went down — the jobs still exist, but were significantly affected by the advancement of technology.

To those worried about the possible technological takeover of their paychecks, Kamlet says that there should be nothing to worry about if they are

able to acquire new skills needed later. He does acknowledge, however, that retraining cannot help everyone displaced get a new job and that not everyone is able to acquire

See **AUTOMATION**, A3

# Case Challenge deals with CMU Coin



**NORA MATTSON**  
*News Editor*

For the past few months, all eyes have been on cryptocurrency prices as cryptocurrency speculation has entered into the mainstream. This past Saturday at the Simon Auditorium in Posner Hall, however, undergraduate students from every college at Carnegie Mellon University gathered for Undergraduate Business Case Challenge to figure out how a “CMU Coin” could change life on campus.

Colleges have been quick to attempt to funnel student interest into expanded academic exploration of this topic, with a *New York Times* article this past week covering mostly graduate-level classes cropping up at Carnegie Mellon, Cornell, Duke, Massachusetts Institute of Technology, and the University of Maryland that have focused on cryptocurrency, Bitcoin, and blockchain technology.

The winning team, Team Kappa, want to use CMU Coin to more efficiently allocate resources on campus through a bidding system. They planned on using

CMU Coin as an incentive to keep students active on campus, and using the blockchain technology associated with CMU Coin to create an “immutable, transferable, and permanent storage” of student ledgers.

The second place team, Team Alpha, focused more on the potential of CMU Coin as a currency. They claimed that it would speed up the verification process that Student Leadership, Involvement, and Civic Engagement (SLICE) does for purchases made by student organizations, changing what is currently a wait time of around a month to a mere eight minutes. This, they asserted, would lead to a more vibrant campus life, as organizations would plan more events and be more open to collaboration.

Both teams skewed traditional conversations about cryptocurrencies by looking for ways that a CMU Coin could be better for the environment, suggesting that mining could be more efficient and powered by sustainable resources.

This week’s challenge was a large departure from

past case challenges in terms of subject.

Elaine Kim, a business major on the Kappa team, said that “other [challenges] have been about specific companies,” but she had been drawn to this one because it afforded an opportunity to “learn more about cryptocurrency.” Yiyi Zan, a senior on the Alpha team majoring in Business and Statistics agreed, stating “that this was the most interesting case [she] had ever been a part of.” She found that while “other cases revolved around a problem,” looking for uses for a cryptocurrency on campus let her think about “solutions we can implement with this technology.”

Professor Param Singh, Carnegie Bosch Chair and Associate Professor of Business Technologies at the Tepper School of Business, co-authored the case and is working on the development of CMU Coin. He is careful to highlight that the purpose of CMU Coin is not to create a cryptocurrency for the university, but rather to experiment with the mechanisms and functionalities of cryptocurrency. Singh stated, “the whole idea is not for cryptocurrency,” but to work with the computer scientists and economists at Carnegie Mellon to understand cryptocurrencies. “With all these cryptocurrencies out there, we realized we don’t know a lot about cryptocurrency,” he said.

This case was meant to collect student ideas about the potential for this currency. Singh states that CMU Coin will be a “student driven project” and that students will be able to “build their own changes.” He hopes that CMU Coin will “demystify

# AB brings Neistat in for Geek Week

**ADAM TUNNARD**  
*Staffwriter*

This past Friday saw the conclusion of “Geek Week,” an Activities Board-organized celebration of geek culture meant to “let your inner-nerd shine.” Kicking off the week of events was a Monday lecture in the Cohon Center by renowned YouTube creator Casey Neistat.

Casey Neistat is a figure who has seen massive success in a few spheres: as a filmmaker, commercial advertiser, technology start-up entrepreneur, and YouTube vlog mogul — the latter being the field where he has gained the most recognition.

His career has taken a series of fascinating turns, which has led to a unique life story that many have found inspiring. He traveled from his home of New York City to talk at Carnegie Mellon about this uncommon lifestyle and the tumultuous path he took to get to where he is today.

Neistat showed up a few minutes late to a crowded McConomy Auditorium due to two plane cancellations, but wasted no time getting into some dense life lessons. The goal of his lectures, he said, is to “walk you through my life in a way that doesn’t work with videos.” Though his videos offer interesting perspectives on his life, his lecture was a more all-encompassing and reflective look at his experiences.

He started from the very beginning, saying, “My whole childhood was about fighting to be heard.” He explained that after getting his high school girlfriend pregnant and living in a trailer home, he

was desperate to get people to hear his “loser” perspective. While working for minuscule wages as a dishwasher, he discovered that filmmaking was the perfect means to do so.

After being dumped by his girlfriend, he, as a single father, maxed out his credit card to buy a Macbook to make videos, and moved to New York City. He worked odd jobs and made videos for art collectors, successfully gaining enough credibility to earn a decent living. This credibility led to him making a video about New York’s over-ticketing of bicyclists titled “Bike Lanes.” Posted on what at the time was a relatively new format, YouTube, Neistat’s channel exploded.

The success of “Bike Lanes” led to an HBO show with his brother titled *The Neistat Brothers*. He is most notable for his daily vlog, which was a challenge to himself to “make a movie every day.” His vlog skyrocketed his popularity and gave him a steady fan base. Meanwhile, he started a technology company Beme, which sold to CNN for \$25 million in 2016.

The lecture covered this miraculous path to success, but was also rich with advice to the mostly-student audience. One of the biggest things Neistat wanted to stress was the notion that “no one knows anything,” that the tempestuousness of life could not be predicted by anything or anyone.

His talk focused mostly on telling his life story as a means of inspiring others to realize their dreams, and to figure out what those may be, though he himself conceded to sounding a little cliché.

See **NEISTAT**, A3



FEATURE PHOTO

# Encompass Fair attracts a crowd



Students flocked to the Encompass Career Fair at the Weigand Gym in the Cohon Center to meet and learn about potential employers.

Sean McGowen/Staff Photographer

# Campus Crime & Incident Reports

- Alcohol Amnesty

Feb. 4, 2018

University Police responded to reports of an intoxicated female at Sigma Alpha Epsilon. A Carnegie Mellon University student was provided with medical attention and no citations were issued due to alcohol amnesty.
- Access Device Fraud

Feb. 4, 2018

A student reported to University Police that her ID was used to make several fraudulent transactions at the Underground. An investigation is ongoing.
- Traffic Stop

Feb. 4, 2018

University Police conducted a traffic stop of a vehicle on Craig Street for a red light violation. University Police seized marijuana from the vehicle and the driver was issued several citations.
- Access Device Fraud

Feb. 5, 2018

A Carnegie Mellon University student reported to University Police that her ID was used to make several fraudulent transactions at various on campus and off campus locations. An investigation is ongoing.
- Medical Intoxication

Feb. 4, 2018

A Carnegie Mellon University student was found on Morewood Avenue intoxicated but was over the legal drinking age of 21. The student was provided with medical attention.
- Theft of Laptop

Feb. 8, 2018

A faculty member alerted University Police that his laptop was unlawfully removed from the Purnell Center. An investigation is ongoing.
- Theft of Wallet

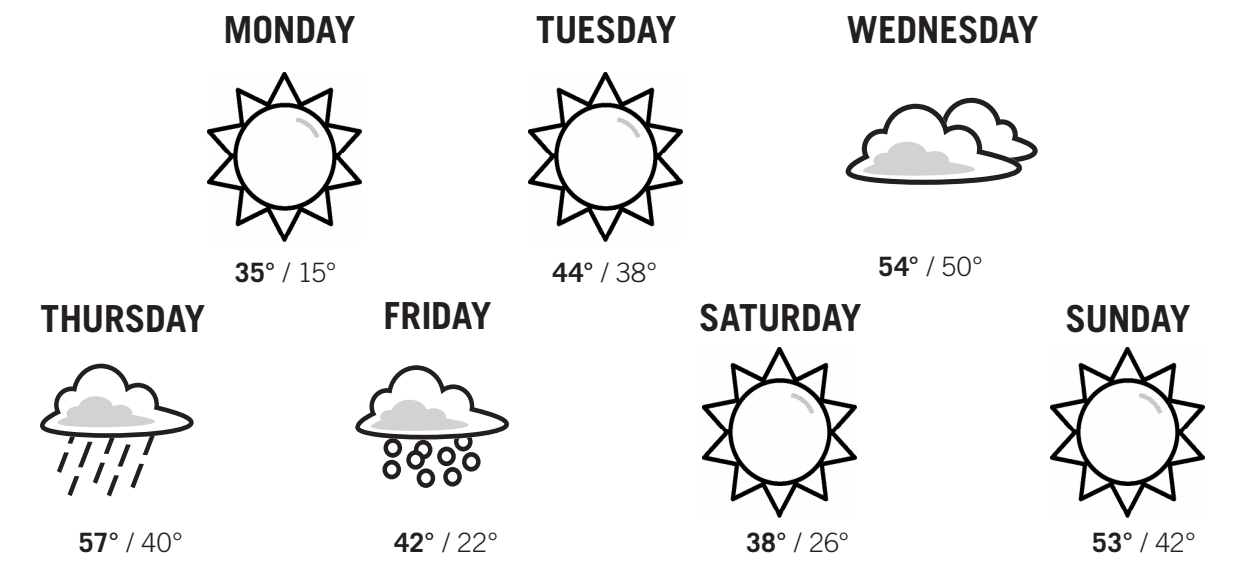
Feb. 4, 2018

A student alerted University Police that her wallet was unlawfully removed from Alpha Sigma Phi. An investigation is ongoing.

Compiled by  
NORA MATTON

## WEATHER

Source: [www.weather.com](http://www.weather.com)



## Corrections & Clarifications

If you would like to submit a correction or clarification, please email The Tartan at [news@thetartan.org](mailto:news@thetartan.org) or [editor@thetartan.org](mailto:editor@thetartan.org) with your inquiry, as well as the date of the issue and the name of the article. We will print the correction or clarification in the next print issue and publish it online.



## Summer Employment at Carnegie Mellon: Teaching Assistant and Residential Counselor Jobs in the Pennsylvania Governor’s School for the Sciences

Undergraduate summer employment at Carnegie Mellon University is available with the Pennsylvania Governor's School for the Sciences (PGSS). The PGSS is a five-week summer school for extremely talented high school students from Pennsylvania. Teaching Assistant/Counselor appointments are available in the areas of biology, chemistry, computer science, physics and mathematics. In addition, one or two positions may be available as Co-Directors of Residential Life. Academic duties of the TA/Counselor include assisting with lecture and lab courses and mentoring team research projects. Counselor duties of the TA/Counselor include living in the same dormitory as the PGSS students, ensuring that students adhere to the PGSS disciplinary rules, providing tutorial help in the academic program, and arranging and conducting social activities. Co-Directors of Residential Life (a.k.a. Head Counselors) are responsible for overseeing the TA/Counselors and fostering a safe, collaborative living and learning environment for the PGSS students.

TA/Counselor applicants should have finished their sophomore year by the start of the summer program. Consideration will also be given to extraordinarily qualified first-year applicants. Preference will be given to applicants with strong academic records and strong social skills. Prior experience with PGSS or a similar summer program is preferred, but not required. Applicants for Co-Director of Residential Life should have graduated from college or university by the start of the summer program. Further information is available at the PGSS web site: <http://sciences.pa-gov-schools.org/>.

**Stipend for five-and-one-half week period:**  
**\$2,500 for new TA/Counselors, \$2,750 for returning TA/Counselors**  
**\$3,000 for Co-Director of Residential Life**  
**Housing is included (in the PGSS dorm) as well as a food allowance.**  
**Duties begin Wednesday, June 27, 2018, end Sunday, August 5, 2018.**  
Applications are available from the PGSS Office in DH A301 or may be downloaded (pdf format) from the PGSS web site:  
<http://sciences.pa-gov-schools.org/>  
Contact the PGSS Program Office at (412) 268-6669 or e-mail [pgss@cmu.edu](mailto:pgss@cmu.edu)  
**Application Deadline: March 31, 2018**  
(Applications may be accepted after the deadline until all positions are filled.)

## Upcoming Events on Free Speech

### Book Reading and Lunch Discussion

*#Republic: Divided Democracy in the Age of Social Media* by Cass Sunstein  
Friday, March 2<sup>nd</sup>, noon - 1pm  
Cohon University Center, Danforth Conference Room

The session will be guided by Robert Cavalier (Teaching Professor Emeritus, Department of Philosophy) and Kathleen Carley (Professor, Institute for Software Research).

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### Campus Deliberative Forum: Free Speech, Inclusion & Campus Policy

Saturday, March 3rd, 11:30 a.m. - 2 p.m. (lunch provided)  
Cohon University Center, Rangos 1 & 2

This campus conversation aligns with the MLK book reading and discussion of *#Republic* where Sunstein writes, "a stress on democratic deliberation is likely to fit, far better than any alternative, with the most reasonable judgments about particular free speech problems."

Sponsored by the Center for Student Diversity & Inclusion and the Program for Deliberative Democracy







# Forum

FROM THE EDITORIAL BOARD

## Truth behind Lady Doritos and gendered products

Doritos has chips for everyone. If you like to stick to the classics, you can kick back with some nacho cheese Doritos. If you're craving something spicy, you can treat yourself to sweet chili heat Doritos. And if you're a woman, you might have your own Doritos sometime soon!

The internet has recently latched onto the idea that Doritos will be coming out with a line tailored for women. According to *The New York Times*, the rumor traces back to an interview with Indra Nooyi, the CEO of Dorito's parent company PepsiCo. During an interview on the "Freaknomics Radio" podcast, she said that women ate Doritos differently from men — apparently, they "don't like to crunch too loudly in public, and they don't lick their fingers generously, and they don't like to pour the little broken pieces and the flavor into their mouth."

After prompting from the interviewer, she continued, "It's not a male and female thing as much as, 'Are there snacks for women that can be designed and packaged differently?'" And yes, we are looking at it, and we're getting ready to launch a bunch of them soon." She completed the train of thought by posing the question, "And how can you put [the bag of Doritos] in a purse? Because women love to carry a snack in their purse."

Days after the podcast aired, *The Sun* published an article under the headline "Doritos firm to launch crisps for WOMEN because they don't like crunching loudly or licking their fingers," boss reveals." In less than a week, a few casual comments became purported fact, and the media frenzy began.

People flocked to Twitter to express their amusement, outrage, and amused outrage. Several women expressed how much they loved licking that sweet, sweet Dorito dust off their fingers. Others lamented how they want equal pay, but society gives them "Lady Doritos" instead. Eventually, the official Doritos Twitter was forced to make a statement: "We already have Doritos for women — they're called Doritos, and they're loved by millions."

So no, you won't be seeing "Lady Doritos" in stores anytime soon. But it's not surprising that so many people believed they

might, since there are already hundreds of unnecessarily gendered products lining shelves all over the world. Some highlights include Bic's Pens For Her, Q-tips: Men's Ultimate Multi-Tool, Woman in Charge Earbuds, Dude Wipes, Girly Girl Binoculars, and Man Grenade Bath Blasters.

Even if the packaging doesn't explicitly say "For Men" or "For Women," a product can still be gendered. Companies convey gender with colors, shapes, patterns, images, and more. Products made for girls use the color pink, round edges, circles, light lines, and floral patterns. On the other hand, products for guys use dark, intense colors. They tend toward square edges and thick lines. Oftentimes, a shopper can determine the targeted gender with a single glance at a product.

As marketing becomes gendered, the products themselves become specific to a gender. Princess dolls and kitchen sets are almost always targeted at girls, while racecars and action figures belong to boys. Although never stated outright, the message is clear. Girls are expected to be dainty, passive, and pretty. Boys are expected

girls, they can sell more versions of the same product. For example, if a company's building blocks were plain colors, Timmy and Tina could play with them together, which means their parents would only have to buy one set. On the other hand, if one set was pink and the other was camouflage, the parents are more likely to buy two sets, one for each of their children.

Furthermore, gendered marketing allows companies to tack on a "sexist surcharge." Women often have to pay more than men for the same basic products. For certain products, especially hygiene products, the difference can be as high as fifty percent. Customers are so hardwired to go to their gender's section of the store that they never thought to check the prices on the other side.

Of course, gendered marketing can also backfire. If a company markets their product too aggressively towards one gender, then "gender contamination" can occur. According to Forbes, this phenomenon is when a gender avoids buying a certain product because of its association with the other gender. For example, men refused to drink Diet Coke because they associated the drink with women. It wasn't until Coke came out with the "more masculine" Coke Zero that they were able to entice men toward the zero calorie drink.

With increasing scrutiny of "gender contamination," and the rise of gender equality, people have started to protest the gender segregation in stores, occasionally threatening to boycott if the store does not remove the gendered labels. In more ways than one, market segmentation is becoming less profitable.

Where the money goes, the companies follow. In the near future, we will likely see companies abandon the practice of gendering products. Already, stores such as Target are receiving positive media attention for removing boy and girl labels on toys. But it's a slow process. There's a complex web of factors holding gendered marketing in place — tradition, capitalism, and of course, sexism. These forces all have a strong hold on the business world, and CEOs are unlikely to turn to social justice issues and disrupt the "way things have always been." Most of the time, companies are unwilling to change unless their customers force them to.

While a snarky tweet won't end gendered marketing, it could make it less accepted, and that's a step in the right direction.



Anna Li/ Staff Artist

to be tough, aggressive, and strong. These gender roles are outdated and sexist. So why do companies still use them?

One could argue that capitalism drives most things in this economy, including the "semmingly innocent" gendering of daily products. Companies discovered that if they segment the market into boys and



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## THE TARTAN



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# Anti-vaxxers go viral in America during worst flu season



MADELINE KIM

Once again, the flu strikes. The Centers for Disease Control (CDC) spokeswoman Kristen Nordlund warns the U.S. that this flu season won’t stop at the hundreds of deaths. “We have not hit our peak yet, unfortunately,” she states. “There is still likely many more weeks to go.” This marks the current flu strain as one of the deadliest in recent times.

What should be seen as a giant red flag, encouraging us to reconsider how health is handled in the U.S., is being almost de-legitimized by people who should be helping lead our nation. Gloria Copeland, televangelist and spiritual advisor for President Donald Trump, gave us the health advice of the century in a viral Facebook video:

“Jesus Himself is our flu shot. He redeemed us from the curse of the flu.”

This is not the first time Copeland has spoken out about reaching out for medical help. In 2004, Copeland’s message reached Bonnie Parker, who passed at the age of 59 from cancer. Parker’s daughter, Kristy Beach, later found journals which recorded what her mother had

heard Copeland and her husband say on television. She came to the conclusion that “if she went to a doctor, it was a sin [because] you didn’t believe enough if you did [seek medical help].”

At first glance, this statement can be dismissed as naive and affecting very few people. While I have faith that a sizeable fraction of America knows better than to take heed of this statement, devastation can occur if even *one* person does. People with great influence and a platform that can reach thousands of people, such as Copeland, have the capacity to take lives. In a time in which the disease is far more contagious than cancer, this mentality does not affect just those who enact her ill-formed medical advice. Even if someone decides to value the words of a primary care provider over a televangelist on television, illnesses may still come charging. However, unlike cancer, the flu is contagious. One person’s diagnosis does not stop at that one person; it can multiply to a far greater population.

Yes, we should maintain a healthy level of skepticism when it comes to what we hear, and words from “Big Pharma” are no exception. However, skepticism should not be confused with the ruthless dismissal of anything that contradicts our paradigm. Skepticism is questioning the potential benefits of taking a new

drug that allegedly helps with psoriasis. Ruthless denial is the epitome of arrogance, believing one’s quick Google search supersedes any doctor’s expertise crafted after years of education and experience.

Furthermore, claiming “Jesus Himself is our flu shot” is hubris at its finest. Much like in Parker’s case, Copeland’s message discourages people from seeking medical help, even if the illness is treatable. Nobody wants to believe that they are doing something inadequately, and by stating that lack of faith ended a life, people like Copeland are preying on the vulnerable. These vulnerable people want to have autonomy, and Copeland is giving the false pretense by assuring one’s faith or prayer alone is the cure. Whether Copeland believes in this message or not is irrelevant; her message is potentially disastrous for modern society.

Furthermore, herd immunization protects not only the vaccinated but also those who cannot be vaccinated. Vaccines don’t eliminate the chance of being stricken with the respective

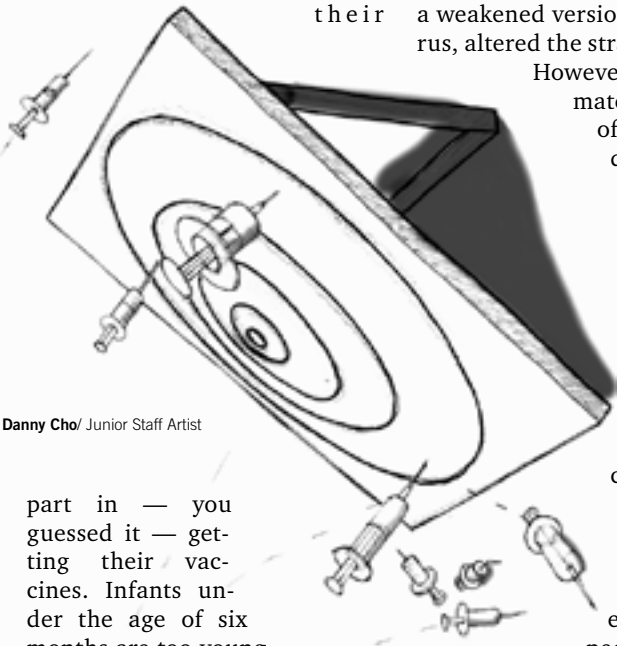
illness, but the likelihood of an outbreak does greatly reduce if the majority of the population has done their part in — you guessed it — getting their vaccines. Infants under the age of six months are too young to be vaccinated and are already more susceptible to falling ill. Lethal egg allergies or those who have had Guillain-Barré Syndrome are both highly discouraged from getting the flu shot. If the decision to vaccinate only involved those making the choice, it wouldn’t be as big of a problem. However, one’s decisions can affect those all around.

The statistics for vaccines don’t look promising. The effectiveness rate is as low as 17

percent, contrasting to the usual 40 to 60 percent. The traditional manufacturing of vaccines with eggs has, instead of cultivating a weakened version of the flu virus, altered the strain altogether. However, approximately 80 percent of children who died from the flu were not vaccinated. Even if the vaccine isn’t nearly as effective as it usually is, it still has been suggested that it can lessen the impact of the flu.

The number of influenza-related pediatric deaths is on the rise, and officials don’t see an end to the flu epidemic coming anytime soon. Even if you, like Copeland, haven’t gotten vaccinated for the flu and are safe, keep in mind that this case does not deny the damage the flu has brought this season. Your overconfidence may come at a price.

Madeline Kim (@madelink) is the Assistant Forum Editor for The Tartan.



# The GOP memo is nothing but partisan smoke and mirrors

TREVOR LAZAR  
Staffwriter

In keeping with recent tradition, Republicans have found a new way to undermine federal institutions. This time, it comes in the form of #releasethememo. The hashtag is a semi-viral attempt to stir controversy surrounding the FBI and Justice Department probes into Russian interference in the 2016 election cycle. Namely, that controversy should supposedly invalidate the Mueller investigation. There are two main things to look into here: First, the memo itself, since it has been released, and second, why the individuals involved have such terrible credibility to begin

with, and why that means that the memo should be ignored.

The memo alleges that the FBI ignored procedural standards and obtained and utilized British intelligence — funded by the Democratic National Committee (DNC) — while investigating former Trump campaign official Carter Page. It also alleges that the Justice Department failed to disclose that the information was funded by Democrats in obtaining a warrant. Rod Rosenstein, the

Deputy Attorney General in charge of oversight of the Mueller probe, is also implicated in calling for a renewal of the surveillance warrant on Page.

So, on the surface, it does look incriminating. Presented only this evidence and no context, one might think that the FBI and Justice Department deliberately sought to surveil a Trump campaign official with the direct backing of the DNC. There are numerous reasons this conclusion is inaccurate.

For one, as evidenced by the yet-to-be-released Democratic response memo, the Republican memo apparently deliberately selects this evidence while ignoring other information that would completely invalidate the aforementioned concerns. Especially when considering that Trump is now holding up the release of the Democratic memo, both memos are

clearly politically motivated. Those motivations are fairly cut-and-dry: Trump and the Republicans want to remove Mueller, and Democrats want him to carry out his investigation unimpeded. So, then, why should we not trust the Republicans in this situation?

Well, it really comes down to one person (besides President Trump): Rep. Devin Nunes (R-CA). Nunes has gained a reputation for shady hyper-partisan political actions over the years, most recently in attempting to justify Trump’s ludicrous claim that President Obama wiretapped him during the 2016 campaign. Nunes released communications between Obama’s former national security adviser Susan Rice and the intelligence community, in which Rice asked for records of Trump transition team officials who had connections to foreigners already being surveilled. The key word there is transition. Rice did not attempt to surveil the Trump campaign. Rather, after Trump won

the election, Rice sought to make sure transition team officials were not compromised. As we learned months later, several Trump campaign and administration officials have been charged with crimes related to Russian interference in the election. Michael Flynn, who served as Trump’s national security adviser until his ousting, pleaded guilty to lying to the Mueller team about correspondences with Russian officials. Michael Flynn was Nunes’ mentor. They shared a penchant for conspiracy theories under the Obama administration, and Nunes continues to do so under Trump, even with Flynn gone.

That lack of credibility surrounding Nunes, as well as the FBI and Justice Department’s vocal displeasure with the release of the GOP memo, should be red flags to all Americans. The memo is just another part of a continued effort to undermine the Mueller probe and to protect Trump. This likely will not be the last Republican effort to do so.



# Humanities misunderstood at CMU

MARIKA YANG  
Sports Editor

What do you think of when you hear the words “Carnegie Mellon University?”

Phrases such as “tech school,” “computer science,” and “stress culture” come to mind, as well as “art school,” “drama,” and “Broadway.” When I visited Carnegie Mellon as a prospective student, I sat in McConomy Auditorium packed with high schoolers and their parents who were in the process of making important life decisions. The speaker ended his introductory remarks by touting how Carnegie Mellon was both a peer of the Massachusetts Institute of Technology (MIT) and The Juilliard School.

When I first told my friends and family that I would be spending the next four years of my life at Carnegie Mellon, the first words that came out of their mouths were: “You’re studying computer science?” When I said no, they continued: “So engineering then?” No again. “Oh, you’re doing art, right?”

Nope. I applied to the Dietrich College of Humanities and Social Sciences, undeclared and undecided about what I wanted to do with my future. After taking my required freshman courses and discovered that I love to write, I declared as a Professional Writing major in the Department of English.

As a student on campus, I have experienced different reactions to being a humanities major. I have heard people talking about how Dietrich is the underling of the

university. I’ve seen derogatory memes of the Facebook page, “Carnegie Mellon Memes for Spicy Teens.” Even among my own friends, I have experienced “major-shaming,” complaints about how I don’t take midterms and finals or spend six hours on coding assignments (newsflash: I have done both).

But when I explain to my friends what being a major in the humanities is like, some begin to understand that different fields simply warrant different learning structures. Small things that I’m used to — like 60 pages of reading a night, ten-page essays, and taking small classes that require attendance — are foreign to many non-humanities students.

According to Carnegie Mellon’s most recent admissions for the 2017-2018 freshman class, Dietrich is the second largest college at the university, with 303 enrollees behind the College of Engineering’s 434. However, only a small percentage of students in Dietrich fall under the “humanities” half of the college: the Departments of English, History, Modern Languages, and Philosophy. Of the Fall 2017 admitted class, only 15 percent were in the humanities, while nine percent were undecided, and the remaining 74 percent were in non-humanities majors such as information systems, psychology, and statistics and data science.

Dietrich is renowned for its interdisciplinary studies, merging technology and humanities with majors like Statistics and Machine Learning (a joint major with the School of Computer Science), and the new minor Humanities

Analytics from the Department of English that incorporates studies in computer science and robotics. The Department of Statistics and Data Science continues to expand, becoming one of the fastest-growing statistics programs in the country.

All these developments are great, and I’m glad that Dietrich is a space where students can combine their varying interests. However, as previously argued in The Tartan, the continuing “STEM-ification” of Dietrich, while welcome and progressive, could threaten the more traditional humanities departments of the college.

The humanities community at Carnegie Mellon is small, but it is rare to find people who are not fully passionate about what they study. There is also less of the stress culture that is ubiquitous in other fields on campus. Yes, students are overwhelmed with schoolwork, clubs, and other responsibilities like all students, but there is less competition, less of a need to brag about how little sleep you had last night, which Silicon Valley internship you got, or when the last time you left the architecture studio was.

I have highlighted many differences between the humanities and other fields at Carnegie Mellon, particularly STEM fields, but my purpose is not to define the large chasm between them. We are all students at the same university that appreciates a wide range of disciplines. But in order to create a community that appreciates one another, we must first understand the differences in that community.

## LETTER TO THE EDITOR: SEXUAL ABUSE SURVIVORS

As someone who was sexually harassed in the past, I know about the inner-pain that victims and survivors experience. But, as someone who spent five years as a counselor and a therapist working in the fields of alcoholism, drug addiction, and mental health, I want to share my observations and research findings about another form of sexual abuse.

Our country needs to start having a conversation about the plight of incest victims and survivors. It is my opinion that these people suffer more deeply and profoundly than victims and survivors of other forms of abuse. Their self-hatred, self-loathing, and self-blame are so

severe and extreme that some of them constantly smile even when it is not appropriate to do so.

Experienced counselors and therapists will tell you that they do this as a way to hide and cover up how dirty, disgusting, and miserable they feel deep within themselves. They will also tell you that very few of them ever have a healthy, “functional,” and happy romantic relationship. Incest victims also suffer from very high rates of suicide, anorexia nervosa, and bulimia.

Our society needs to take the next step and try to eradicate this problem from existence.

– Stewart B. Epstein

## LETTER TO THE EDITOR: STANDING UP TO ABUSERS

I believe that most of us Americans have been victims of bullying and/or some form of abuse at some time in our lives. As a former counselor and therapist, I worked with and tried to help many victims of everyday bullying, as well as various other forms of abuse.

I found that their biggest problem and issue they dealt with was that they did not stand up to their bullies and abusers. The best question that I have ever

heard a counselor or therapist ask their clients and patients relative to this was the following:

“What parts of yourself don’t you love that allows you to let this bully or abuser to continue to mistreat and abuse you?”

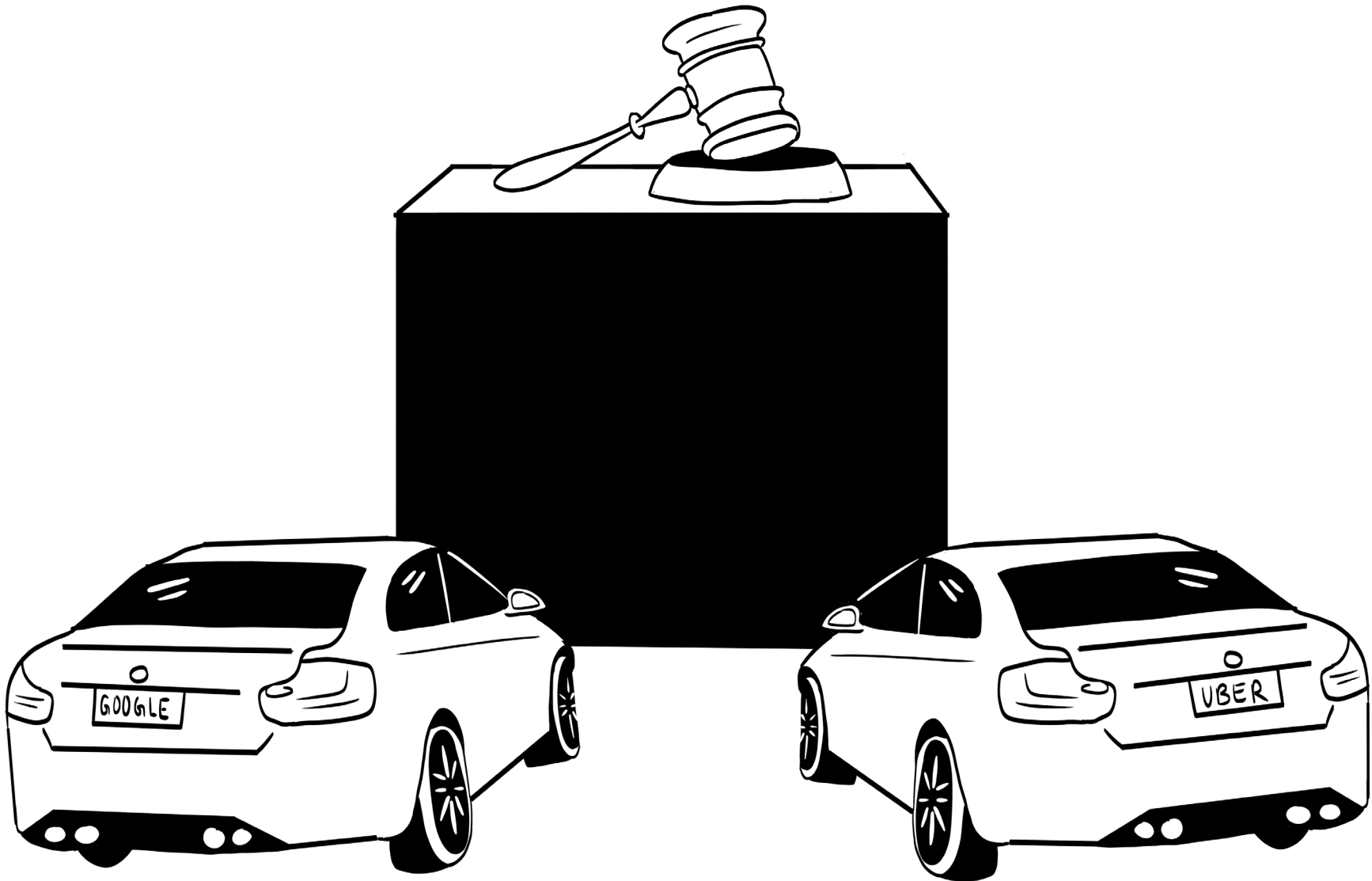
This question prompted many people to finally make some change in their lives and to walk away from and leave their abusers.

– Stewart B. Epstein



# Science & Technology

## Uber, Waymo settle court case for \$245M in equity



Anna Boyle/Art Editor

**FATIMA AMBER AHMAD**  
*Junior Staffwriter*

On Feb. 7, autonomous vehicle competitors Uber and Waymo reached a surprise settlement on their fifth day in court, over allegations that Uber had used Waymo’s trade secrets in its autonomous vehicle development. Waymo, owned by Google’s parent company Alphabet, was paid about \$245 million in Uber company equity.

After Waymo first filed their suit against Uber in February of 2017, some speculated that the consequences for Uber could be as dire as the end of their autonomous vehicle program or a much larger settlement than the one that closed the case. At the

center of the controversy was Anthony Levandowski, a former Google engineer and leader in autonomous vehicle research, whom Waymo accused of leaking company secrets to Uber.

Waymo alleged that, before Levandowski left the company in Jan. 2016, he had downloaded 14,000 confidential files and documents concerning the development of Waymo’s self-driving cars — specifically, the design of Light Detection And Ranging (LiDAR), the spinning cylindrical sensors on top of self-driving cars which they use to “see.” LiDAR emits millions of lasers per second and measures how quickly they take to reflect off of objects in order to determine their distance from the car.

After Levandowski left the company, he started an autonomous trucking company called Otto. In Aug. 2016, Uber purchased Otto in a \$680 million deal.

Waymo contended that Uber’s acquisition of Otto was just a front for Uber to use Google’s research, claiming that former Uber CEO Travis Kalanick had been in talks with Levandowski while he was still working for Google.

Uber has maintained their innocence throughout the case. As current Uber CEO Dana Khosrowshahi put it in a statement released last Friday, “we do not believe that any trade secrets made their way from Waymo to Uber, nor do we believe that Uber has used any of Waymo’s pro-

proprietary information in its self-driving technology. We are taking steps with Waymo to ensure our LiDAR and software represents just our good work.”

Uber had decidedly distanced themselves from Levandowski. He was not a defendant in the case, but is currently being investigated by the U.S. Department of Justice for leaking Google’s trade secrets. He was demoted from being the head of the Advanced Technologies Group at Uber last April and fired last May, after failing to turn in requested court documents. Throughout the case, he repeatedly avoided answering incriminating questions by invoking his fifth amendment right.

During the testimony,

Kalanick claimed that he reminded a miffed Google CEO Larry Page that “your people are not your [intellectual property] IP,” according to Gizmodo. His quip embodies two observations about this case: It was a very melodramatic ordeal for both of the Silicon Valley giants, and it may have future implications for companies who are at the frontiers of new technology.

Waymo protected their LiDAR technology using trade secrets, defined by the U.S. Patent and Trademark Office as intellectual property which can give a company a commercial edge over others. Trade secrets are protected by U.S. law, but as Wharton Management Professor John

Paul McDuffe points out, they are not typically a reliable way to secure IP. Technology is a hard secret to keep when products using it are available for public consumption. If Waymo’s case can slow down Uber’s autonomous vehicle development, then trade secrets may become more reliable.

Trade secrets may protect IP — but, this comes at a cost. The particulars of how autonomous vehicles work are not known to the public, and have been redacted in the court documents involved in this case. As Santa Clara Law Professor Dorothy Glancey states, making good policy about autonomous vehicles may prove to be a challenge if certain information must be hidden from the public.

### SCITECH BRIEFS

#### New superdense wood is stronger, lighter than steel

A newly developed type of compacted wood has been proven by researchers to be incredibly dense and as strong as steel.

To create the ultra-compacted material, a team of engineers, led by researchers from the University of Maryland, soaked a block of wood in a boiling solution of water, sodium hydroxide, and sodium sulfite. Then, the researchers squeezed the wood between hot metal plates, at extremely high pressure. Furthermore, the chemicals used to process the wood wouldn’t pollute the environment.

Researchers determined that the ultra-compacted wood was 11.5 times stronger than natural wood, by testing how well it could withstand being stretched without breaking.

The highly compacted wood was also dense enough to stop a bullet and lighter than steel.

The lightweight wood could have many applications in manufacturing — for example, to produce vehicles that are lighter, and therefore more fuel-efficient.

Source: *Science News*

#### Chemical in cavefish brains could help study sleep variation

Blind Mexican cavefish sleep only one-and-a-half hours per day, on average. Researchers from Florida Atlantic University believe this is because the cavefish brain contains high amounts of a chemical called hypocretin/orexin (HCRT).

HCRT helps regulate hunger and sleep cycles. The cavefish, which have no eyes, have far higher amounts of HCRT than related fish who have eyes and live closer to the water’s surface - roughly twice as much. Increasing the HCRT signaling made cavefish sleep more, but had virtually no effect on other freshwater fish.

“These findings suggest that differences in Hypocretin production may explain variation in sleep between animal species, or even between individual people,” said Alex Keene, an author of the study. “It may also provide important insight into how we might build a brain that does not need to sleep.”

This study was published in *eLife* by researchers from the Charles E. Schmidt College of Science at Florida Atlantic University on Feb. 6.

Source: *Nature*

#### SpaceX launches its Falcon Heavy rocket on Feb. 6

Private aerospace company SpaceX successfully launched its Falcon Heavy rocket for the first time on Feb. 6 from the Kennedy LC-39A SpaceX South Texas Launch Site.

The Falcon Heavy, essentially consisting of three rocket boosters strapped together, is the most powerful rocket to launch since NASA’s Saturn V. SpaceX hopes that like Saturn V, which sent astronauts to the moon, the Falcon Heavy will shoot humans into space.

One of SpaceX’s most important goals is to make all its rockets reusable. This means that after each launch, the rocket boosters have to return to Earth, and land safely. In last Tuesday’s launch, two of the Falcon Heavy’s three boosters landed successfully.

SpaceX’s goal in producing reusable rockets is to significantly lower the cost of space travel. They are currently working on another rocket, the Big Falcon Rocket (BFR), that they intend to use to send humans to Mars.

Source: *Science News*

Compiled by  
**EMMA FLICKINGER**



Courtesy of SpaceX via Wikimedia Commons

The Falcon Heavy was launched on Feb. 6, 2018 from the Kennedy LC-39A SpaceX South Texas Launch Site. It is the highest-capacity rocket to in current operation, doubling Delta IV Heavy's payload.







# DIETRICH COLLEGE

## Dean’s List Fall 2017

**Carnegie Mellon University**  
Dietrich College of Humanities  
and Social Sciences

On behalf of the faculty and staff of the Marianna Brown Dietrich College of Humanities and Social Sciences, we congratulate the DC, SHS, and BHA undergraduates listed below for earning a place on the Fall 2017 Dietrich College Dean’s List.

— Dietrich College Dean’s Office

**HIGH HONORS**

Julia Adams	Dylan Hyun	Jae Ho Rhee	* Rahil Ahmed	Jeremy Goldstein	* Fareeduddin	Jason Xu	Virginia Fulton
Adin Adler	Rahul Iyer	Hannah Rosenfield	Nalin Aiyar	Zachary Goldstein	Mohammed	Stephen Yamalis	Harrison Gronlund
Andrew Afbale	Mani Jahani	Jules Ross	* Zainab Akhtar	Pavan Gollapalli	Jonathan Monroe	Jung Inn Yang	Siqi Guo
Archit Arora	Amber James	Jacob Rothschild	* Amna Al-Ansari	Rachel Gomez	Alyssa Montgomery	Yufei Yang	Daniel Hack
Ian Asenjo	Youce Ji	Maxim Sak	* Noor Al-Athba Al-Marri	Audrey Goodman	* Bisma Munawar	George Yao	Alexandra Halberstadt
Alexander Bainbridge	Long Jiang	Abigail Salmon	* Abdulaziz Al-Haddad	Sarah Goodman	Alison Munden	Victoria Ye	Wonhee Han
Stephanie Bao	Hanyu Jiang	Mrinalini Samanta	* Amna Ali	Kayla Griffin	* Fatima Mustafawi	Megan Yelsangikar	Kathryn Hanson
Isaac Barreto	Yudi Jin	Julia Scherb	* Osama Ali	Allison Guzman	* Hassan Nadeem	Seungeun Yi	Ian Harris
Sarah Bender	Siting Jin	Jade Schiffer	* Kaltham Al-Khuzaei	Melody Han	Julien Naegeli	Kady Yip	Kimberly Hochstedler
Lula Beresford-Banker	Rachael Johnson	Natalie Schmidt	Elliot Allard	* Hanan Hassan	Jonathan Namovic	Seunyeon Yoo	Mingwei Huang
Sophie Bernstein	Zoeanne Juang	Mohona Sengupta	* Al-Dana Al-Mohannadi	Junhui He	* Hasan Naveed	Nathan Yoon	Olivia Husak
Milinda Bhopatkar	Victoria Kalinovich	Aayush Shah	* Maryam Al-Naemi	Muling He	Manvendu Navjeevan	Eileen You	Chloe Ireland
Isabel Bleimeister	Kevin Kallukaran	William Shancey	* Fatima Al-Sooj	Benjamin Hecht	Valeriia Neviadomska	Ah Jin Youn	Irina Javed
Nathaniel Blinn	Raaga Kalva	Filipp Shelobolin	Jorge Alvarez	Julie Heming	Djamenotwotefankam	* Karen Youssef	Hadley Killen
Samuel Bolig	Ben Kaplan	Qiao Shen	Brandyn Amado	Seth Henry	Juliana Odiase	Christina Yuan	Daniel Kim
Mary Bollinger	Lauren Kelly	Abdusamed Sherif	* Mariyam Amir	Ansh Hirani	Robert Oh	Zongyuan Yuan	Sarah Kim
Anna Boyle	Melanie Kerber	Yanan Shi	Stephanie Ananth	Isabella Hong	Matthew Ok	Sarah Zabar	Jane Kogan
Sarah Boyle	Matthew Kern	Emma Shi	Anna Anderson	Michelle Hsieh	Olivia Olsheski	Christian Zeitler	Yizhen Kong
Alexander Brooks	Pavel Khokhlov	Naomi Shimada	* Muhammad Talha Anees	Renhao Hu	Jia-Min Ooi	Shurui Zeng	Meera Manoj Krishna
Kaily Bruch	Andrew Kim	Heitho Shipp	Obed Appiah-Agyeman	David Hua	Hannah Osinowo	Boyan Zhang	Stephanie Kuang
Joshua Cagan	Hana Kim	Cori Sidell	Mahima Arya	Sung Yeon Huang	Kevin Ouyang	Haomiao Zhang	Sydney Lee
Grace Cao	Hye Jun Kim	Zachary Siegel	* Layan Azem	Xiao Huang	Lorraine Zhang	Katherine Zhang	Andy Lin
Aditya Chanana	Julie Kim	Yingli Sieh	Philip Baker	Kylie Huffman	Robert Zhang	Kathy Zhang	Tristan Marino
Chih-Sen Chang	Jun Hee Kim	Giselle Simms	Kasdan Bakos	Grace Hui	Joyce Zhao		Jean Moon
Jessica Chang	Sung Joon Kim	Prisha Singh	Varun Baldwa	Tori Iatarola			Frances Moore
Emily Chen	Terry Kim	Surya Singla	Jiwon Ban	* Ali Jafar			Rachel Motz
Qiang Chen	Yong Hwan Kim	Ken Situ	Mariah Barnes	Simran Jagtiani	Meera Patel		Lauren Nazzaro
Ryan Chen	Maksym Korniyev	Samantha Smith	* Muhammad Bashir Michael Becker	Aayush Jain	Shihua Pei		Nicole Nyman
Sandy Chen	Sweta Kotha	Olivia Snavelly	Nicholas Bellante	James Jameson	Carlos Pena		Vatsal Ojha
Sarita Chen	Jacob Kronman	Daniel Sogunro	Muhammed Bicic	Hanna Jang	Kun Peng		Thomas Pascucci
Xiangting Chen	Justin Kufro	Liana Song	Thomas Bickel	Nathan Jen	Pooja Penninti		Nidhi Patel
Yiyun Chen	Sana Lakdawala	Youna Song	Jacob Bittner	Ru Jia	* Katharine Phelps		Christian Schmidt
Zhengrui Cheng	Ashley Lambert	Crystal Song	David Bloomquist	Yi Jiang	Amanda Phil		Shiv Sethi
Kyle Chin	Rae Lasko	Barbara Soques	Karan Bokil	Korrawat	Joshua Pinckney		Qian Sha
Jungin Choi	Trevor Lazar	Arielle Spikes	Madeleine Bomberg	Jianthanakanon	Muriel Pokol		Naomi Shin
Sydney Choi	Trang Le	Maya Sripadam	Jennifer Bornemann	Tobias Junker	Emily Porat		Zachary Singer
Winston Chu	Brandon Lee	Jordan Stapinski	Alysa Bradbury	Rita Kalar	Shreya Prakash		Xiangyu Song
Whittney Chu	Celine Lee	Scott Steinberg	Justin Britton	Andrea Kang	Tejas Prakash		Sophia Stoyer
Eu Jing Chua	Daniel Lee	Benjamin Stone	George Brown	Jessica Keast	Shreya Punya		Langxuan Su
Richard Chun	Harrison Lee	Eric Su	Andrew Bryan	Rebecca Kern	Jacqueline Puschmann		Liam Thomas
Connor Cipp	Liangze Li	Jiayi Su	Matthew Carson	* Yasir Khan	* Umair Qazi		Ariel Uy
Howard Coffin	Yurong Li	Guillermina Tocalini	Nicole Casey	Saachi Khurana	Xinzhe Qi		Victoria Vanbenschoten
Julia Conti	Angela Liang	Amy Tsai	Ryan Casey	Christine Kim	Shravan Ramamurthy		Shitian Wang
Sonia De Los Reyes	Michelle Lim	Kendrick Tse	Ji Eun Cha	Daniel Kim	Madhuri Raman		Zilin Wang
Mychajlo Demko	Kimberly Liu	Alexandra Ulven	Christie Chang	Hakyung Kim	Selina Du		Claire Wang
Erin Dieringer	Timothy Liu	Meghana Valluri	Justin Chang	Hyemin Kim	Andrew Hahn		Theodore Warner
Emily Ding	Ying Liu	Leah Varughese	Monica Chang	Joseph Kim	Aisha Han		Camille Williams
Sijia Ding	Zhenzhen Liu	Gregory Volynsky	Eileen Chen	Minji Kim	Ella Hepner		Xinni Wu
William Dively	Amy Lopata	Elizabeth Wang	Evans Chen	Francis Kovacs	Jenna Houston		Brenda Xiao
Hyunji Do	Fei Lu	Chenxi Wang	Lawrence Chen	Anish Krishnan	Shuangni (Annie) Huang		Elaine Xu
Makenzie Donaldson	Calvin Lui	Kenneth Wells	Wanhe Chen	Timothy Kusuma	Molly Rohrer		Shenheng Xu
Melina Driscoll	Julia Luo	Shawn Weng	Lilian Chin	Abby Kuznick	Jordan Romah		Jingjing Xu
Zeyan Du	Yifei Luo	Grace Whipkey	Jeffrey Chiu	Nahyun Kwon	Christopher Rosado		Lantian Xu
Fiona Dubrosa	Weyxin Ly	David White	Hyungjoon Choe	Alec Lam	Zachary Safran		Muyu Yang
Carlo Duffy	Boxiang Lyu	Daniel Winters	Kayu Choy	Inhyuk Lee	Pierre Saint-Perez		Yi Yang
Patrick Dykiert	Prachi	Gordon Wissinger	Megan Christy	Joong Kun Lee	Cassandra Scanlon		Yuepeng Yang
Denis Ebby	Mahableshwarkar	Jordan Wong	Allison Chu	Justin Lee	Vera Schulz		Ye Ji Yim
Zhe Liang Egawa	Ryan Mahtab	Thomas Wrabetz	Jeffrey Chiu	Richard Lee	Dylan Schwartz		Yiming Zhao
Taruna Emani	Sarah Mallepalle	Linda Xia	Monica Chang	Sue Lee	Kailas Shekar		Katherine Ziegler
Corey Emery	Malavika Mandapati	Shiqi Xiao	Eileen Chen	Anish Krishnan	Jia Shi		
Rebecca Enright	Jivika Mangwani	Yuxi Xie	Evans Chen	Timothy Kusuma	Yoo Jin Shin		
Jure Erlic	Masahero Masuda	Zhongmin Xie	Lawrence Chen	Abby Kuznick	Sarah Shy		
Zachary Ettensohn	Nora Mattson	Han Xu	Wanhe Chen	Nahyun Kwon	Jamie Slomka		
Tianyang Fan	Isabel McCarthy	Tian Xu	Lilian Chin	Alec Lam	Helen Solecki		
Joie Feng	Jenna McKinley	Sarah Yae	Jeffrey Chiu	Inhyuk Lee	John Sprong		
Yunhong Feng	Rachel McKinney	James Yan	Hyungjoon Choe	Joong Kun Lee	Neha Srivastava		
Emma Flickinger	Abigail McManus	Marika Yang	Kayu Choy	Justin Lee	David Sun		
Erika Foosse	Garrison McMullen	Zihuiwen Ye	Megan Christy	Richard Lee	Puxin Sun		
Owen Fox	Margaret Mertz	Qiuyi Yin	Allison Chu	Sue Lee	Aileen Tan		
Tony Francis	Parvathi Meyyappan	Yue Yin	Jeffrey Chiu	Sue Lee	Dasson Tan		
Angus Fung	Michael Foose	Shane Dasbach	Hyungjoon Choe	Anish Krishnan	Griffin Tang		
Matthew Furhman	Alana Mittleman	Qinye Yu	Kayu Choy	Timothy Kusuma	Shi Tang		
Catherine Gao	Joshua Moavenzadeh	Alina Yu	Megan Christy	Abby Kuznick	Sivateja Tangirala		
Mikhail Gershenzon	Amanda Monteavaro	Wilson Yu	Allison Chu	Nahyun Kwon	Amanda Thiele		
Amelia Gilson	Lauren Montgomery	Xinran Yuan	Jeffrey Chiu	Alec Lam	Lucy Truschel		
Julia Gnip	Nathan Moss	Zoe Zawisa	Hyungjoon Choe	Inhyuk Lee	Isabelle Tseng		
Shivani Goel	Rohan Nagalkar	Chenting Zhang	Kayu Choy	Joong Kun Lee	Lilianna Turner		
Michael Gormley	Maria Navarro-Gutierrez	David Zhang	Megan Christy	Justin Lee	India Unger-Harquail		
Shlok Goyal	Haider Nazir	Kimberly Zhang	Allison Chu	Richard Lee	Elizabeth Van Buskirk		
Hudson Graf	Emma Nicklas-Morris	Lichen Zhang	Jeffrey Chiu	Sue Lee	Ana Karina Van Nortwick		
Hazel Grinberg	Erin Nielsen	Millie Zhang	Hyungjoon Choe	Anish Krishnan	Charis-Marie Vanderpuye		
Andrew Gu	Anna Novak	Reed Zhang	Kayu Choy	Timothy Kusuma	Victor Vega-Gonzalez		
Kevin Guan	Olamitundun Oladipo	Xinle Zhang	Megan Christy	Abby Kuznick	John Verser		
Sebastian Guerrero	Paige O’Riordan	Yizhi Zhang	Allison Chu	Nahyun Kwon	Suren Wanasundera		
Grace Guo	Jinxia Ouyang	Charley Zhao	Jeffrey Chiu	Alec Lam	Aijin Wang		
Arnav Gupta	Mason Paccione	Sally Zhao	Hyungjoon Choe	Joong Kun Lee	Charles Wang		
Stephanie Haber	Vidya Palepu	Yan Zhao	Kayu Choy	Justin Lee	Sabrina Wang		
Aden Halpern	Stephanie Pang	Alice Zheng	Megan Christy	Richard Lee	Shenhao Wang		
Carrie Haney	Juhyung Park	Rebecca Zheng	Allison Chu	Sue Lee	* Abdul Wasay		
Connor Hanley	Noa Park	Shirley Zhou	Hyungjoon Choe	Nahyun Kwon	Darien Weems		
Brandon Hao	Kishan Patel	Winston Zhou	Kayu Choy	Alec Lam	Anne Widom		
Peijie He	Douglas Patterson	Yishan Zhou	Megan Christy	Inhyuk Lee	Kathryn Williams		
Xinyu He	Jonathan Perez	Jenny Zhu	Allison Chu	Joong Kun Lee	Amanda Wilmer		
Kristen Hofmann	Joseph Perrino	Ningxin Zhu	Hyungjoon Choe	Alec Lam	Eleanor Wilson		
Jarrek Holmes	Reed Peterson	Yiyi Zou	Kayu Choy	Justin Lee	Glen Wise		
Brent Hong	Benjamin Pierce	Yutong Zhu	Megan Christy	Nahyun Kwon	Andrew Wissinger		
Rebecca Hong	Nicole Pinto		Allison Chu	Alec Lam	Mikaela Wolf-Sorokin		
Ruiyi Hu	Sydney Pujadas		Hyungjoon Choe	Joong Kun Lee	Johnny Wu		
Xinyu Hu	Amber Quinn		Kayu Choy	Justin Lee	Minnie Wu		
Eric Huang	Joshua Ragen		Megan Christy	Nahyun Kwon	Yu Wu		
Joshua Huang	Kunal Rajesh		Allison Chu	Alec Lam	Yue Wu		
Richard Huang	Jay Rao		Hyungjoon Choe	Joong Kun Lee	Edgar Xi		
Brianna Hudock	Victoria Reiter		Kayu Choy	Justin Lee	Yimin Xie		
Ji Hyon Hwang	Sarah Reyes Franco		Megan Christy	Nahyun Kwon	Mingyao Xiong		
					Chong Xu		

**Bachelor of Humanities and Arts**

**HONORS**

Theresa Abalos	Theresa Abalos
Anna-Jamieson Beck	Anna-Jamieson Beck
Joshua Brown	Joshua Brown
Connie Chau	Connie Chau
Na Eun (Nana) Cheon	Na Eun (Nana) Cheon
Carolyn Chheath	Carolyn Chheath
Anne Crumley	Anne Crumley
Anthony Didonato	Anthony Didonato
Madhuri Raman	Madhuri Raman
Lynnette Ramsay	Lynnette Ramsay
Krishna Rao	Krishna Rao
Aisha Rashid	Aisha Rashid
Maria Rodriguez De La Cruz	Maria Rodriguez De La Cruz
Molly Rohrer	Molly Rohrer
Jordan Romah	Jordan Romah
Christopher Rosado	Christopher Rosado
Zachary Safran	Zachary Safran
Pierre Saint-Perez	Pierre Saint-Perez
Cassandra Scanlon	Cassandra Scanlon
Vera Schulz	Vera Schulz
Dylan Schwartz	Dylan Schwartz
Kailas Shekar	Kailas Shekar
Jia Shi	Jia Shi
Yoo Jin Shin	Yoo Jin Shin
Sarah Shy	Sarah Shy
Jamie Slomka	Jamie Slomka
Helen Solecki	Helen Solecki
John Sprong	John Sprong
Neha Srivastava	Neha Srivastava
David Sun	David Sun
Puxin Sun	Puxin Sun
Aileen Tan	Aileen Tan
Dasson Tan	Dasson Tan
Griffin Tang	Griffin Tang
Shi Tang	Shi Tang
Sivateja Tangirala	Sivateja Tangirala
Amanda Thiele	Amanda Thiele
Lucy Truschel	Lucy Truschel
Isabelle Tseng	Isabelle Tseng
Lilianna Turner	Lilianna Turner
India Unger-Harquail	India Unger-Harquail
Elizabeth Van Buskirk	Elizabeth Van Buskirk
Ana Karina Van Nortwick	Ana Karina Van Nortwick
Charis-Marie Vanderpuye	Charis-Marie Vanderpuye
Victor Vega-Gonzalez	Victor Vega-Gonzalez
John Verser	John Verser
Suren Wanasundera	Suren Wanasundera
Aijin Wang	Aijin Wang
Charles Wang	Charles Wang
Sabrina Wang	Sabrina Wang
Shenhao Wang	Shenhao Wang
* Abdul Wasay	* Abdul Wasay
Darien Weems	Darien Weems
Anne Widom	Anne Widom
Kathryn Williams	Kathryn Williams
Amanda Wilmer	Amanda Wilmer
Eleanor Wilson	Eleanor Wilson
Glen Wise	Glen Wise
Andrew Wissinger	Andrew Wissinger
Mikaela Wolf-Sorokin	Mikaela Wolf-Sorokin
Johnny Wu	Johnny Wu
Minnie Wu	Minnie Wu
Yu Wu	Yu Wu
Yue Wu	Yue Wu
Edgar Xi	Edgar Xi
Yimin Xie	Yimin Xie
Mingyao Xiong	Mingyao Xiong
Chong Xu	Chong Xu

**HONORS**

Allison Black	Allison Black
Deborah Blank	Deborah Blank
Minji Chung	Minji Chung
Cali Colliwer	Cali Colliwer
Audrey Cortes	Audrey Cortes
Omar Elmady	Omar Elmady
Wenyi Fei	Wenyi Fei
Emilia French	Emilia French
Holly Furnari	Holly Furnari
Michelle Hu	Michelle Hu
Seojun Jang	Seojun Jang
Kerry Jappe	Kerry Jappe
Catherine Kildunne	Catherine Kildunne
Sooyoung Kim	Sooyoung Kim
Hunter Kready	Hunter Kready
Victoria Kubyshko	Victoria Kubyshko
Diane Lee	Diane Lee
Rissa Ji-Yeon Lee	Rissa Ji-Yeon Lee
Zhuoyang Li	Zhuoyang Li
Jane Liu	Jane Liu
Maxwell Martin	Maxwell Martin
Hannah Milano	Hannah Milano
Shreya Nandi	Shreya Nandi
Vincent Peng	Vincent Peng
Vishnu Raghavan	Vishnu Raghavan
Zachary Roop	Zachary Roop
Nanaki Singh	Nanaki Singh
Abirami Sivatharman	Abirami Sivatharman
Nikhil Swaminathan	Nikhil Swaminathan
Yaxin Tan	Yaxin Tan
Krithika Veerappan	Krithika Veerappan
Gregory Woelki	Gregory Woelki
Yiyao Yang	Yiyao Yang
Lisha Yin	Lisha Yin
Yuhang Ying	Yuhang Ying
Michael Young	Michael Young
Ariana Zahedi	Ariana Zahedi
Jiaqi Zhang	Jiaqi Zhang
Weiyi Zhang	Weiyi Zhang
Kevin Zhou	Kevin Zhou

**Science and Humanities Scholars**

**HIGH HONORS**

Alyssa Aburachis	Alyssa Aburachis
Maxwell Aires	Maxwell Aires
Luis Arreaga	Luis Arreaga
Isabelle Augensen	Isabelle Augensen
Matthew Baek	Matthew Baek
Orchi Banerjee	Orchi Banerjee
Eric Barrett	Eric Barrett
Bethany Bauer	Bethany Bauer
Hrishikesh Bodas	Hrishikesh Bodas
Alyssa Brandt	Alyssa Brandt
Christina Cabana	Christina Cabana
Mark Canavan	Mark Canavan
Alisa Chang	Alisa Chang
Junyu Chen	Junyu Chen
Minghan Chen	Minghan Chen
Ambika Chetal	Ambika Chetal
Keven Chionh	Keven Chionh
Saransh Chopra	Saransh Chopra
Anirban Chowdhury	Anirban Chowdhury
Andrew Dates	Andrew Dates
Anushka Dhyani	Anushka Dhyani
Alexandra	Alexandra
Ditommaso	Ditommaso
Caleb Eddy	Caleb Eddy
Chi Fang	Chi Fang
Jacob Feldgoise	Jacob Feldgoise
Grayson Frazier	Grayson Frazier



Howarth’s 21 points lifts Tartans over Rochester

Women’s basketball lose close game, get blown out

**MEN’S**, *from A12*

The Tartans improved in the second half from the first, shooting 59.4 percent from the field after shooting 33.3 percent in the first half. They ended with a 47.5 shooting percentage on the game, while Emory shot 44.6 percent. The Tartans were hurt by their turnovers, committing five more than Emory.

Against the University of Rochester Yellowjackets, the Tartans fought off a comeback by the visiting team to take the win. Though in this game the Tartans were on the defensive, it seemed like the game was going to end like

it did against Emory, with a shot in the last second taking the victory from the Tartans. On Sunday, however, the review waived a shot taken after buzzer, and the Tartans held on to win.

Howarth led the team with 19 points, followed by McNeil with 13, Ehland with 11, and Maha with 10. McNeil recorded five assists, while Maha hauled in five steals. Henry led the team in rebounds, with nine.

The Tartans opened the first half with aggressive offense, scoring the first seven points of the game. The Yellowjackets closed the half with an 8–2 run and went into halftime with the score 36–32.

For most of the

second half, the Tartans maintained their lead. The Yellowjackets regrouped to score 16 straight points, taking the lead 68–66. A McNeil layup with two minutes left ended the Yellowjackets’ run and tied the game. With 1:30 left, two free throws by Howarth gave the Tartans the lead, and they held on to win 70–68.

The Tartans’ 39.7 percent shooting was lower than the Yellowjackets’ 48.1 percent, but made up for it by taking 16 more shots.

After the two games, the Tartans move to 6–16 on the season and 2–9 in UAA play. They will next play the University of Chicago on Friday, Feb. 16.

**WOMEN’S**, *from A12*

However, the Eagles benefited from three times as many assists, twice as many second chance points, and 17 bench points to the Tartans’ six.

On Sunday afternoon, the Tartans faced off against the University of Rochester Yellowjackets at Skibo Gymnasium, falling 70–53.

Filiere led the team in points, scoring 21 points, with 11 of them coming in the fourth quarter. She also added five steals. Ochsner led the team with seven rebounds.

In the first quarter, the Yellowjackets started quickly, jumping to an 11–4 lead. The Tartans played

poorly in the quarter, shooting only 23.5 percent, and trailed 20–12 going into the first break.

The Yellowjackets maintained their momentum in the second quarter, building their lead to 21 points with a 17–4 run. At the end of the quarter, a three-pointer from sophomore Megan Jaeb cut the Tartans’ deficit and made the score 40–16 going into the half.

Unlike the first half, the third quarter was much more balanced, with the two teams trading baskets. However, the Tartans were not able to build enough momentum to spark a comeback run.

Trailing 56–34 at the

start of the fourth quarter, the Tartans’ improved immensely on their efficiency, shooting 43.8 percent from the field. However, that was not enough to stop the fast-paced Yellowjackets offense, who held their lead to win 70–53.

The Tartan’s overall shooting percentage averaged to 39.1 percent, not far off the Yellowjackets’ 40.3 percent. The Yellowjackets recorded three times as many assists, twice as many second chance points, and 17 bench points to the Tartans’ six.

The Tartans will travel to the University of Chicago to play the Maroons on Friday, Feb. 16 at 6 p.m.

SPORTS BRIEFS

Women’s Track & Field

The Carnegie Mellon University women’s track and field team entered the Dragon Grand Prix hosted by Tiffin University on Saturday, Feb. 10, for its fourth meet of the season. The Tartans won two events for the day in the unscored meet while two earned career-best marks.

Sophomore Valerie Collins won the mile race in a career-best time of 5:24.01, and junior Wade Lacey placed third in 5:30.29.

Senior Sarah Cook and junior Rose Ciriello finished 1-2 in the 800-meter run with times of 2:20.26 and 2:20.60.

First-year Isabelle Chickanosky earned second place in the 3,000-meter run after winning her heat in 10:56.76. Sophomore Leah Kendrick finished eighth in the 60-meter hurdles in 9.70.

In field events, sophomore Michelle Karabin finished sixth in the pole vault after clearing 3.40 meters. Senior Sarah Milholer also cleared 3.40 meters, a career best, and finished eighth after judge’s decision.

First-year Alessandra Tully tossed the weight throw, a career-best 3.81 meters, and the shot put, 9.19 meters, to lead the Tartans in both events.

**Men’s Track & Field**

The Carnegie Mellon University men’s track and field team competed at the Tiffin University Dragon Grand Prix Invitational on Saturday. Senior Tommy Mansfield broke the school record in the pole vault after clearing a height of 4.60 meters. Mansfield’s height placed him fifth at the Grand Prix.

First-year Alex Liu

cleared the bar at 4.30 meters, a season-best height, to place sixth. Also in the field events, sophomore Fred Dauphin turned in two sixth place finishes in the long and triple jumps. He recorded a mark of 6.25 meters in the long jump and 13.00 meters in the triple jump. Senior Eloy Fernandez took fifth in the triple jump after leaping 13.12 meters.

Junior Isaac Mills crossed in 1:57.82 in the 800-meter run to win the event. The first-year duo of Matt Karee and Michael Cabral placed fourth and fifth in the mile run with both crossing in season-best times. Karee crossed in 4:26.46 and Cabral in 4:27.19.

In the 3,000-meter run, first-year Andrew Singh crossed in 9:07.38 to place seventh.

The Tartans will compete again on Friday, Feb. 16, at the Ohio State University Indoor Tune-Up Meet.

**Women’s Tennis**

The Carnegie Mellon University women’s tennis team, ranked 10th in Division III, faced Division I Saint Francis University on Saturday, Feb 10. The Tartans won the match, played by Division I rules, 4–3, and are now 6–1 for the season.

The Tartans earned the doubles point with a win at first doubles by sophomore Vinaya Rao and first-year Melissa Strome, 7–5, against Laura Gutierrez and Nastasia Tamarkin. The Red Flash had to default at third doubles, giving the Tartans the point.

In singles play, a default at sixth singles gave the Tartans a 2–0 lead. The Red Flash tied it at two-all with wins at first and third singles. Rao won at second singles, 7–6 (7–2), 7–5.

With the match in the balance, Strome picked up

a come back victory at fifth singles, 3–6, 6–3, 6–3, to win the match for the Tartans.

Carnegie Mellon will next play Indiana University of Pennsylvania and Seton Hill University on Sunday, Feb. 25, also at The Club Sport and Health in Monroeville, PA.

**Men’s Tennis**

The Carnegie Mellon University men’s tennis team hosted Division I Saint Francis University on Saturday, Feb. 10, defeating the Red Flash, 7–2. The Tartans are 4–1 for the year.

Junior Daniel Levine and first-year Kailas Shekar each won two matches for the Tartans while pairing up at first doubles to earn the first point of the match with a 6–4 win. After the Red Flash tied it with a win at second doubles, junior Chaz Downing and sophomore Nicholas Calzolano won 6–3

at third doubles to give the Tartans back the lead.

Levine and first-year Ray Boppa sandwiched wins in singles play with a loss for the Tartans at second singles to hold a 4–2 lead. Levine won at first singles, 7–5, 6–2, while Boppa won, 7–5, 6–1, at third singles.

Shekar earned match point at fourth singles with a 6–2, 6–2 win, his second against a Division I player in two straight matches.

Also winning for the Tartans was first-year Joshua Pinckney at sixth singles, 6–1, 6–1, and sophomore Robert Levin at fifth singles, 5–7, 6–1, 10–7.

The Tartans will next play at Youngstown State University on Friday, Feb. 16 at 7 p.m. before going to the ITA National Team Indoor Championship in St. Peter, MN on Feb. 23.

Compiled by  
MARIKA YANG



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Sports

Tartans split home games against Emory, Rochester

On becoming short-term fans for Winter Olympics



Courtesy of CMU Athletics

Sophomore Zach Howarth led the Tartans in points against Emory and Rochester over the weekend.

MARIKA YANG  
Sports Editor

The Carnegie Mellon men’s basketball team welcomed two of their University Athletics Association (UAA) rivals, Emory University on Friday, Feb. 9, and the University of Rochester on Sunday, Feb. 11. The Tartans played two close games, dropping the first game to the Eagles 82–80, and defeating the Yellowjackets 70–68.

On Friday against the Emory Eagles, the game was decided in the final second. Trailing by seven points late in the second half, the Tartans attempted a comeback, falling just short.

Sophomore Zach Howarth led the Tartans in scoring with 25 points. Senior Ryan Maha and sophomore Colin McNeil both scored 14 points, and

McNeil dished out a team-high six assists. Juniors Seth Henry and Patrick Ehland hauled in eight rebounds apiece on the night.

The Eagles opened the game hot, scoring eight straight points. Later in the half, a 17–6 run by the Eagles extended their lead to 16 points. The Tartans scored the final five points of the half, including a three-pointer by Maha, going into halftime trailing 37–29.

In the first two minutes of the second half, Howarth scored two consecutive three-pointers to pull the Tartans within five points off the lead, a taste of what was to come later in the half. Five minutes into the half, the Eagles’ lead was 12 points, but over the next four and a half minutes, the Tartans slowly made their way back into

the game. A jumpshot by Howarth capped off a 13–5 run, making the score 60–56. The Eagles scored the next five points to get their comfortable lead back, but the Tartans pushed again, scoring the next eight points to bring the team within one point, 65–64 with 5:50 left to play.

With 1:39 left to play, the Eagles led by seven points, but the Tartans again rallied to score six straight points, a three-pointer by sophomore Coopers Williams bringing the score to 78–77 with 32 seconds left.

Two free throws gave the Eagles a three-point lead, but three made free throws by Maha tied the game at 80–80 with 13 seconds left in the game. A layup by the Eagles at 0.8 seconds lifted the visiting team to the win.

See **MEN’S**, A11

Women’s basketball loses games versus UAA rivals

MARIKA YANG  
Sports Editor

The Carnegie Mellon women’s basketball team played two University Athletics Association (UAA) games this weekend: one on Friday, Feb. 9 versus Emory University, and another on Sunday, Feb. 11 against the University of Rochester.

Friday’s game against the Emory University Eagles was a thriller, decided in the final seconds. For the Tartans, sophomore Katharine Higgins led the team scoring 21 points.

Sophomores Laurel Pereira and MaKayla Filiere each dropped 12 points. Sophomore Laura Och-sner led the team with nine rebounds and three steals, while junior Jenn Mayberger’s team-high four assists brought her to 328

assists in her career, a new school record.

The Tartans opened the game scoring seven straight points, including the first five by Pereira and the final 13 points all coming from free throws. The Tartans stayed on their hot streak for the rest of the first quarter with two more runs of 7–0 and 6–0 giving them a 22–11 lead at the break.

The Eagles began the second quarter with five points to quickly cut the Tartans’ lead to six. Unlike the first quarter, the second was relatively balanced with neither team dominating play. The Tartans led the game 39–30 going into halftime.

In the third quarter, the Tartans led by as much as 12 points, but the Eagles slowly began to inch their way towards the lead. A three-pointer at the buzzer

brought the Eagles within three points with the score now 52–49.

Within the first minute-and-a-half of the fourth quarter, the Eagles tied the game at 54–54. The visiting team scored four straight points for a 58–54 lead, but the Tartans soon tied the game again. This continued throughout the quarter with the Eagles taking a small lead only for the Tartans to tie. With a minute left in the game and the Tartans down by two, missed shots by Filiere and Higgins gave the ball back to the Eagles who sealed their win with a layup with seven seconds left in the game.

The Tartans and the Eagles had similar field goal percentages, 39.1 percent and 40.3 percent, respectively.

See **WOMEN’S**, A11



Courtesy of CMU Athletics

Junior Jenn Mayberger recorded four assists versus Emory, setting the school career record at 328.

BRAD PUSKAR  
Staffwriter

My parents love watching the Olympics. Doesn’t matter what season it is, winter or summer. They’ll watch it all, and for a while, when I was a little kid, I really didn’t understand the appeal of watching a bunch of athletes that nobody had ever heard of play sports (how do you just become a ski jumper or a curler? Where do they even find people for that?)

I still watched the events with them, and, after my sister got older and was swimming competi-tively, it be-came a big event to watch the s u m m e r games, because, as a family, we finally had a reason to pay attention! My sister was doing the same thing that these big-name athletes like Missy Franklin and Michael Phelps were doing. It was the Super Bowl of swimming, so we all sat as a family and watched. I don’t know if that has anything to do with why I love the Olympics now, though, but the family sentiment probably plays a part in it.

So why do I love the Olympics? I’ve thought about it and boiled it down

to a few basic ideas. The first is less about sports, and more about advertising, I guess? Look at the Super Bowl, though. The spectacle and smoke and mirrors to make everything look much more impressive than it is infiltrates every aspect of a pretty normal football game between two good teams. It ruins the game for me because you hear the announcers talk about things that don’t make

and flash in when the host country does their opening ceremony, but after that it’s about the athletes and that’s what matters.

I also really enjoy watching sports that I’ve never heard of or know very little about. It’s a learning experience to piece together the exact rule set for a cross country skiing competition, and once you get the hang of it, you end up screaming at some German girl because she missed two of the targets she’s supposed to shoot, or you’re flipping your lid because some snow-boarder from Canada lands his tricks incredibly well.

That point ties in to watching the games with family, for sure. By the end of the night, you and your

parents are experts in judging the figure skaters. You know just how to point your skates if you want to get the most distance on a ski jump. You can tell just what the American team needs to do to kick the snot out of any other curling team.

So enjoy the Olympics while they’re here, everybody. Grab some friends and make an evening out of it.

any sense, and there’s a bunch of narratives weaved into the game that don’t really have anything to do with football. With the Olympics, at least to me, the spectacle and showmanship is condensed into the first night of the opening ceremony, and then everyone wipes their hands off it, and it’s all about the sports. They get all the ridiculous pageantry

Eagles topple Patriots to earn first championship



MEL KERBER  
Online Editor

For the first time since the advent of the Super Bowl, the Philadelphia Eagles can finally claim their very own Lombardi trophy. Defeating the New England Patriots in Minneapolis, the Eagles cemented their victory 41-33 in a thrilling, offensively vibrant game. There was only one punt the entire game, and nearly every drive ended with a scoring play for both teams. With a cumulative 1,151 total yards, this Super Bowl sets the mark for the largest number of yards in any NFL game ever, Super Bowl or otherwise.

The game was full of surprises, ranging from spectacular trick plays to dramatic fumbles. Tom Brady, constantly challenging the Eagles drive after drive, fumbled with less than three minutes left in the fourth quarter, essentially sealing

the game for the Eagles. On the other side of the field, late in the second quarter, Eagles quarterback Nick Foles successfully pulled off the “Philly Special” — a trick play involving three different players, a pass to the quarterback, and a vital fourth-down touchdown conversion. A similar play was attempted by the Patriots earlier in the quarter, but Brady was unable to make the reception.

For much of the game, defense was almost invisible, and most non-scoring drives were ended by time running out or failure on the end of the offensive team, with both teams missing a field goal early in the game. The Eagles were stopped multiple times on two-point conversion attempts, and the Patriots missed an extra point, but 75 percent of the Eagles’ possessions ended in points of some kind, compared to only

54 percent for the Patriots. Both quarterbacks had career games, with Brady throwing over 500 yards and Foles averaging over eight yards per attempt, blowing the regular season statistic out of the water.

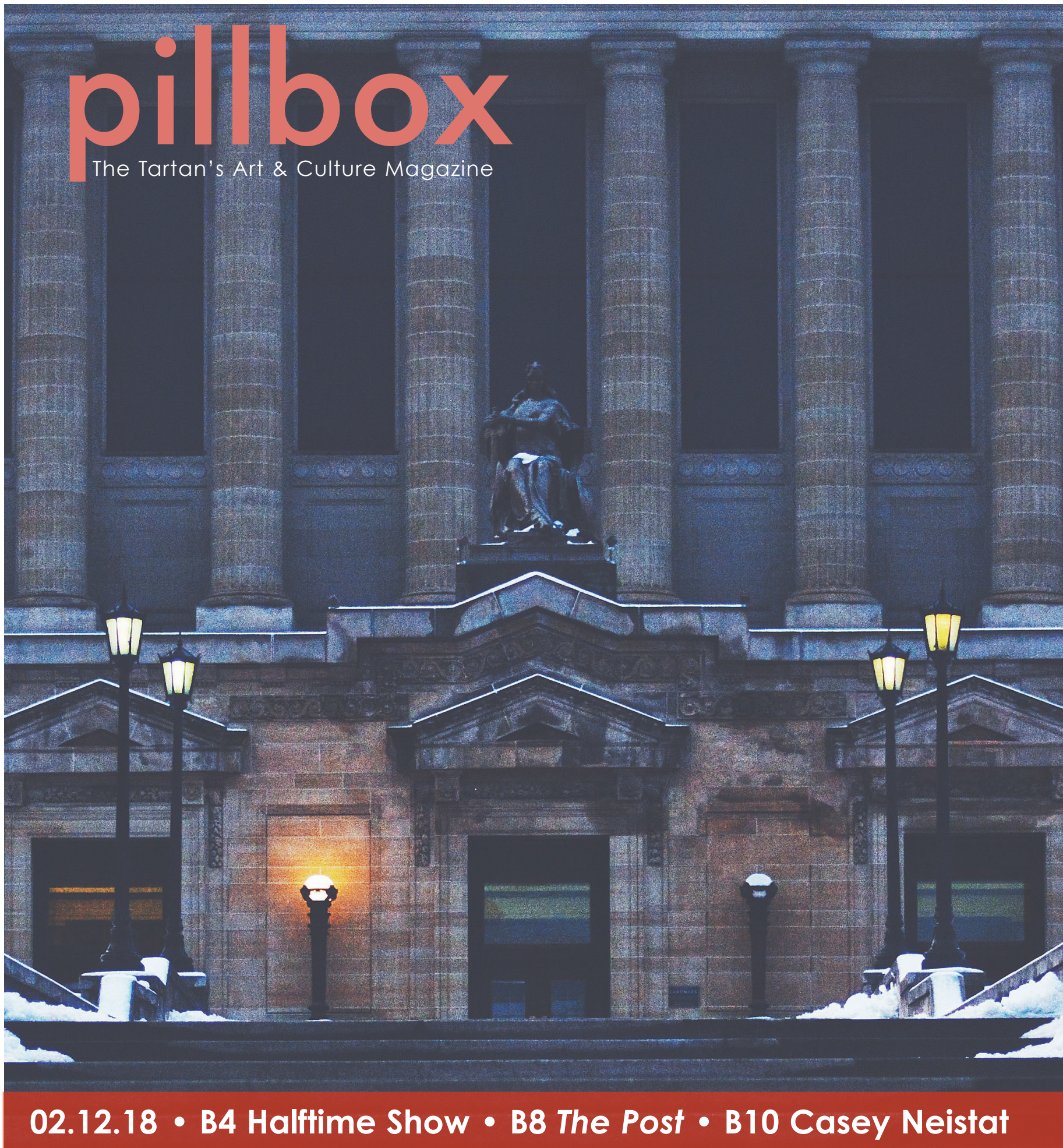
Coming down to the wire, with the Patriots surging forward, it was the Philadelphia defense who made the unlikely play of the game, sacking Brady and forcing a fumble. The Patriots managed one more drive in the game and came inches from completing a spectacular “Hail Mary” touchdown pass, reminiscent of an identical one at the end of another Super Bowl, ten years ago. Philadelphia was able to hold onto their lead for the franchise’s first NFL championship.

Foles was named Super Bowl MVP, throwing for three touchdowns and receiving one. Brady the received the league honor before the game.



# pillbox

The Tartan's Art & Culture Magazine



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# Advice for Awkward People

## On Valentine's Day

Jade Crockem | Contributing Editor

Dear Jade,

**Valentine's Day is coming up, and I already know it is going to SUCK. My friends are either pining for someone and being all mushy about it, or they're in loving, committed relationships. And then you have me, still hurt from the last time I put my feelings out in the open and not in the mood to do it again. More importantly, I've somehow gotten pushed into a strange position where my friends keep turning to me for relationship advice even though I've never been in an actual relationship. Maybe I should feel honored or touched, but for the most part I'm starting to remember all these feelings that I don't really wanna touch again in a long time. And I really don't know how to get out of that headspace. Can you give me a single gal's survival guide for Valentine's Day?**

**Sincerely,  
Somehow I'm Not Getting Love Ever**

Dear SINGLE,

I know what it's like to not want to think about love and to pretend those feelings just don't exist. You're still hurting and every other person that's in a relationship seems like they're only doing it to mock you. While you know this isn't true and that the people you walk past on the street holding hands don't know you exist, it still feels like a personal attack. I won't lie to you and say that being single is the best thing ever, because it's not fun after you've been taken through the wringer with love. But just because being single might not be all that fun for you right now, that doesn't mean Valentine's Day has to suck.

I've always been a fan of the holiday regardless of my relationship status. Take advantage of this day to wear your cutest pink and red outfit, go to Starbucks and get that pink drink, and fill your heart with the love you have for everyone around you, whether it's friends or family. I love

a lot of people and it's nice to think about that on Valentine's Day.

The single gal's guide doesn't always have to be a ten page guide on how to go out in your hottest outfit with all your single friends and post pics that will make your ex text you at 3 a.m. Sometimes it's just reminding yourself that love exists outside of the person that broke your heart and remembering that you will find that again.

But if you decide to go down the going out route, a few drinks and a hot outfit helps too.

- Jade

*Need advice?  
Send queries to <https://goo.gl/xk23wd>*

# Bar Buddies: Tiki Lounge

For the people who like piña coladas and getting caught in the rain

Jade Crockem | Contributing Editor

Contrary to popular belief, I don't go out to a new bar every weekend. But lucky for you guys, I've been to enough bars in Pittsburgh that I could write this every week for a year and never leave my home.

So let's reach back into my archives of nights out and talk about Tiki Lounge in Southside. I went to this exciting, tiki-themed bar on Halloween and it was certainly a night to remember.

**The location:** Tiki Lounge is located on E. Carson St. This place is a considerable distance outside of the Oakland, Squirrel Hill, Shadyside bubble. I hope you're going with at least four friends because while the Lyft there may not cost more than \$10, I guarantee you that the one you call at 2 a.m. when everything closes will come with skyrocketing surge prices. E. Carson St. quickly goes from a place to bar hop to a parade with no

floats as everyone floods the streets figuring out what to do now that the bars are closed. Maybe this is just because I went on Halloweekend, but it was absolutely packed and it took forever to get a Lyft.

This outside post-party can still have some excitement though. I met quite a few characters out there including a guy who asked if he could marry me and take me to Australia. I politely declined.

**The drinks:** This is not the place to get drunk. They've got a vast menu of tasty and delicious-sounding drinks. It's worth it to order at least one, but at around \$10 each that was about my limit before I had to switch back to mixed drinks. Their mixed drinks were fine but definitely on the pricier side. I would suggest not making this place your only stop for the night, you'll find cheaper drinks somewhere else.

**The vibe:** The best way I can think to describe this place is an adult Rainforest Cafe. There was a waterfall in there. The front of the place has a bar and a few tables and the back has a dance floor. I'm not sure if this is a regular thing or if that was just the Halloween special, but it certainly made the place more exciting. With the bar area in the front and the club deeper in, it felt like the mullet of bars, business in the front and party in the back. It won't be your go to place every weekend, but it was a good place to go for one weekend.

**Lit or nah:** This place teeters between being annoying and being super fun. It was Halloween so I was totally into the decor and over the top luau feel, but if it had been a normal weekend I can't say if I would be. The litation depends on how into cheesy bar themes you are. The litaliential is there, you just have to match this bar's excitement.



# SUPERBOWL LII

## HALFTIME SHOW

written by Izzy Sio | Pillbox Editor

art by Connor McGaffin | Junior Artist

layout by Emeline Fromont | Junior Staff Designer

People wanted a lot of things out of Justin Timberlake's third appearance at the Super Bowl Halftime Show. They wanted Timberlake to reunite with NSYNC, à la his first appearance on the Super Bowl stage in 2001 where the boy band performed alongside Britney Spears, Aerosmith, Nelly, and Mary J. Blige. Some people wanted some sort of appearance from Janet Jackson, or #JusticeForJanet, after her infamous "wardrobe malfunction" in 2004 where Timberlake accidentally ripped off a piece of her costume during their duet of his song "Rock Your Body." Since his album *Man of the Woods* dropped a few days before the performance, I was completely expecting him to perform at least two songs from the album besides "Filthy" as some sort of shameless (but later frowned upon) self-promotion. Instead, it seemed that what most people got during Timberlake's Super Bowl Halftime Show was disappointment.

In short, the former NSYNC member's performance was merely average. What Timberlake brought to the U.S. Bank Stadium was great and entertaining, but frankly didn't feel new from the pop icon. For the most part, I felt like I was watching a Timberlake concert in Minneapolis, especially during the first half. While I have never been to one of his concerts (and am not sure if I plan to, since tickets start at \$95), Timberlake's smooth transitions between each of his familiar hits almost felt too perfect during the first half of his performance. After opening with "Filthy," the divisive lead single off of *Man of the Woods*, Timberlake performed three of his hits "Rock Your Body," "Senorita," and "SexyBack" in such a fluid and effortless way that almost felt too rehearsed. The same applied for his next three songs, "My Love," "Cry Me A River," and "Suit & Tie," thus only supporting the feeling in my gut that maybe I was watching some polished yet monotonously entertaining robot on screen. However, some of these statements can still be interpreted as compliments; the first half of Timberlake's Super Bowl Halftime Show only served to solidify his overwhelming talent and to remind people of his relevance in the mainstream realm of pop music. At the start, Timberlake was effortlessly suave and entertaining.

The second half of Timberlake's performance was when things became a little more interesting, in a variety of senses. After performing "Until the End of Time," a seemingly forgotten ballad from his many singles, Timberlake transitioned into a cover of Prince's "I Would Die 4 U," making the Minneapolis crowd go crazy with excitement. However, Timberlake's performance alongside a video projection of the Minneapolis-born icon was met with division and controversy over the fact that the video projection was almost a hologram of the late artist, who died April 21, 2016. Additionally, Timberlake's whole tribute faced controversy, with reasons varying from how Prince never wanted anyone to "do a hologram

of me" to how Timberlake and Prince's feud from the previous decade caused disapproval among fans of Prince. While the segment felt a little dated giving that he died over a year ago, and felt a little bit extra after Timberlake decided to light not only the whole stadium but the entirety of Minneapolis in purple, I did see how Timberlake wanted to respect Prince and his legacy on music through his cover. For the most part, it seems that this controversy will fall along quieter but similar lines of Jackson's "wardrobe malfunction," where the truth behind the performance seemed to be shrouded in mystery.

It is notable that in their more recent halftime shows, the Super Bowl features artists that had big breaks or comebacks five years ago in an effort to make their show "safe" (to avoid any further wardrobe malfunctions) and to cater to the larger crowd. To supplement that fact, it was only after I marinated on my previous robotic gut feeling for a few days that I looked back and found out that the choreography for some of his musical numbers, most notably "SexyBack," was almost the exact same as his choreography for his 2013 performance at the MTV Video Music Awards, which was generally more entertaining and fulfilling. It is probably this detail and his lyric "No disrespect, I don't mean no harm" from "Rock Your Body" that best sums up his Super Bowl performance: that for the most part, Timberlake wanted to not stir a larger pot so he wanted to emphasize his previous works and his huge talent. Unfortunately, he ended up doing so anyway.

If you liked *Man of the Woods* and you're looking for Timberlake's return to the realm of pop music in an overtly grandeur fashion, Timberlake's Super Bowl LII Halftime Show will satisfy your needs. But if you want to watch a better version of the show that's free of controversy and division, and you just really wanted that second NSYNC reunion, then watch his VMAs performance.





At 37, Justin Timberlake has decidedly transitioned into the fourth phase of his career. In the first, he was the star of a boy band that released three blockbuster albums. In the second, he established himself as a bonafide popstar, paving the way for any former boy band member to solo success. In the third, he focused on acting and being immature with Jimmy Fallon, punctuated with a two-part album in 2013, *The 20/20 Experience*.

And now, in the fourth, Timberlake is the superstar who remains essential to the music industry even when he's not making music. He has settled into marriage and fatherhood, with no need or desire to do what anyone else is doing, or to do something novel. That could not be more clear on his new album, *Man of the Woods*.

After a rootsy album commercial that turned out to be more of a red herring than a preview, the album is a retread of old ideas and an attempt to use those old ideas to create something new. Working with familiar collaborators, Timbaland, The Neptunes, and Danja, Timberlake dabbles in a plethora of styles genres, from the familiar soul and R&B that blends with strains of funk, folk, and country. The production is slick and polished, sometimes too much so that Timberlake often recedes into the background of his songs, no longer the star or the main attraction.

On lead single "Filthy," the robo-funk beats and layered vocal effects drown out Timberlake's voice, which doesn't have much to say in the first place. "Midnight Summer Jam" is filled with throwaway platitudes about having fun in the South and the far more interesting combination of violin, guitar, and harmonica, but overstays its welcome, reminiscent of *The 20/20 Experience*'s bloated track times.

"Sauce" and "Wave" both are let down by hollow lyrics like "I love your pink, you like my purple" and "I got a couple fish then we can dine," while the former is saved by a catchy melody and blaring electric guitar and the latter is a complete misstep with no hook to speak of.

*Man of the Woods* hits its stride with the title track, with Timberlake being both effortlessly cool and convincingly earnest. The soft percussion hip-hop beat allows his voice to shine, both in his lower register and in falsetto.

Both collaborations on the album, with Alicia Keys and Chris Stapleton on "Morning Light" and "Say Something" respectively, are standouts. On "Morning Light," we find Timberlake at his most intimate, singing of long-term love with Keys. The old-school soul and the slow, saccharine melody do their job, imposing images of lazy Sunday mornings in bed. The song also has my favorite line on the album, the cheesy but honest "In the whole wide world of guys/I must be the luckiest alive."

Stapleton is an expected guest, after his and Timberlake's show stopping performance at the 2015 CMA Awards, which started talk of Timberlake's possible shift to country. "Say Something" will get play on both pop and radio, and is one of the best songs on the album. The acoustic guitars and electronic beats are an interesting mix that makes the song simultaneously rustic and modern.

The album ends strong, with "The Hard Stuff," co-penned by Stapleton; and "Young Man," featuring Timberlake's wife and son. "The Hard Stuff" continues the theme of marriage that permeates throughout the album. It's soft and mellow, and benefits from being the shortest track on the album at 3:15. "Young Man" ties the album together, a sentimental declaration of love for his son. Timberlake's first album since his son's birth, the title of *Man of the Woods* is derived from his name, Silas, which means "of the forest." Unlike many of the songs on the album, "Young Man" has something definite to say.

*Man of the Woods* is an intriguing mess by a musician known for his slick, assured style. By forgoing a specific genre and borrowing from many influences from the past, Timberlake isn't interested in creating and shaping the pop music of 2018. And in the end, that's okay.

written by Marika Yang | Sports Editor

art by Anna Boyle | Art Editor

layout by Paola Mathus | Visual Editor



# JUSTIN TIMBERLAKE'S MAN OF THE WOODS



# CALL ME By Your NAME

written by Juliana Schnerr | Junior Staffwriter  
art and layout by Tracy Le | Visual Editor



It has been a year of breakout stars and indie movie success, and the coming-of-age romance, *Call Me By Your Name* boasts both. Based on the novel by André Aciman, the film takes place in 1980's rural Italy and follows Elio (Timothée Chalamet), a precocious teen spending his summer in the countryside, and Oliver (Armie Hammer), a graduate student working for Elio's father. Over the course of a sun-soaked summer, the characters navigate unexpected stirrings of hesitant romance that bloom into true connection.

Now, this isn't the kind of gay love story we're used to; the love interests are not threatened by physical violence, social realities, or cruel outsiders. Instead, their relationship is threatened by the kind of struggles that impede all forms of intimacy: insecurity, inexperience, guilt, fear, and the impending end of summer. Some

viewers have criticized the film for its lack of any real conflict, arguing the film is devoid of any realistic fallout or complication. And while that may be true, I can't say I minded.

From Elio's encouraging father, to Marzia, his supposed girlfriend, the film's characters are incredibly gentle and ultimately accepting of Elio's journey. Each relationship, be it familial, friendly, or romantic, is so carefully crafted that you find yourself equally as invested in the father's bittersweet support, and Marzia's innocent hopefulness as you do the consuming passion between Elio and Oliver. And while Elio and Oliver's relationship is sexual, it's not necessarily sexy. Their love scenes and even daily interactions are awkward and cautious in a refreshing and endearing way that speaks to Elio's age and character.





The authenticity of Elio and Oliver's relationship is due in large part to the film's screenplay, which incorporates key moments from the book (including the famous, "call me by your name and I'll call you by mine" line) and gives additional access to Oliver's character that you won't find in the original novel. But, the relationship would go nowhere without the sense of time and place established through the setting itself (and Arnie Hammer's wardrobe). As the men romp, bike, and swim through forests, fields, and streams, it seems there's no better place to fall in love than rural Italy. The film's saturated colors, delicate lighting, and lush Italian scenery leave you yearning for summer and a romance of your own.

Any commentary on the film would be incomplete without acknowledgement of the impeccable soundtrack. The film's mix of

classical compositions, Italian '80s pop hits, and original pieces by Sufjan Stevens is reason enough to watch this film. Stevens wrote two original tracks for the movie, one of which, "Mystery of Love," is up for "Best Original Song" at this year's Academy Awards. And that's not the only potential win for *Call Me By Your Name*; the film is also nominated for "Best Picture," "Best Adapted Screenplay," and newcomer Timothée Chalamet is nominated for "Best Actor" for his portrayal of Elio.

With the Oscar's quickly approaching, it's difficult to know where to start in terms of what films to see and what hype to listen to, but I can guarantee the praise surrounding *Call Me By Your Name* is to be believed. Simply put, it's beautiful.



written by Caleb Miller | Publisher  
art and layout by Tracy Le | Visual Editor

# The Post

Probably the most impressive thing about Steven Spielberg's new movie *The Post* is just how quickly it was made. The film opened on Jan. 12, just nine months after Spielberg first read the script and decided that making this movie, and making it fast, was a must. Taking just over two months to film, Spielberg zipped through the first edit in only three weeks before sending it over to long-time collaborator and composer John Williams. According to a *Washington Post* story by Stephanie Merry, Spielberg's efficiency and determination was key: he would even use his spare hours on set to go back and cut down scenes he had already shot.

Why was Spielberg in such a rush to bring *The Post* to theaters? The answer lies in the film's timely subject matter: *The Washington Post*'s attempts to publish *The Pentagon Papers* in 1971. The documents were a classified

government study that detailed how several American presidents had lied to both the people of the United States and Congress regarding the U.S.'s 30-year involvement in the Vietnam War. Part of the papers were at first partially leaked by *The New York Times*, prompting President Richard Nixon to order the newspaper to stop production through a federal court injunction. *The Times* appealed, leading to a Supreme Court case.

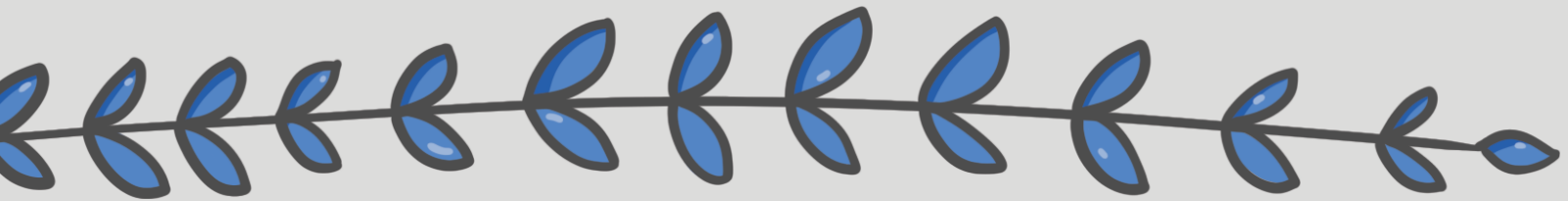
While this battle raged on, *The Washington Post* started printing their own stories based on portions of the documents they had obtained. Once again, the government tried to thwart the free press, and *The Washington Post* was added to *The Times*' Supreme Court case. While the newspapers would eventually triumph — the Supreme Court ruled 6-3 in their favor — the way the movie highlights the attempts of the Nixon administration to limit the freedom of the press feels

particularly relevant in light of the Trump administration's dealings with the media.

Along with a highly important and pertinent theme, *The Post* features an all-star cast. The film is led by veterans Meryl Streep, who plays *Washington Post* publisher Kay Graham, and Tom Hanks, who plays executive editor Ben Bradlee, and each delivers an unsurprisingly stellar performance. Streep's best scene comes when Graham confronts her long-time friend Secretary of Defense Robert McNamara, who had commissioned the report. The tension in the scene is palpable and Streep's delivery is convincingly intense as Graham berates McNamara for sending the children of his friends to a war he knew they could not win.

The rest of the cast, while not as famous in name alone, are all talented actors who have shone in some of the best television shows of the past ten years. Tracy Letts from *Homeland*, Alison Brie from *Community*, Zach Woods from *The Office* and *Silicon Valley*, Matthew Rhys from *The Americans*, Sarah





Paulson from *American Horror Story*, Bob Odenkirk and Jesse Plemons from *Breaking Bad* and *Fargo*, Carrie Coon, also from *Fargo*, and Michael Stuhlbarg, who appeared in *Fargo* too, as well as numerous movies such as *A Serious Man*, *Shape of Water*, and *Call Me By Your Name*, all have supporting roles. If anything, the movie is worth seeing for the acting talent alone.

At times, the movie falters. The message can be heavy-handed, with the screenplay even throwing around the word "collusion," which has been all over the news concerning Trump's involvement with Russia. Some scenes feel a bit slow, and in others the drama can feel forced — during some of the big speeches, the dialogue can feel slightly corny, and the swelling of the music and Spielberg's circling shots add to the tackiness.

Nonetheless, *The Post* is a outstanding film. Bolstered by a superb cast and an impactful story, *The Post* delivers a crucial reminder that the freedom of the press is the First Amendment of the U.S. Constitution and solidifies why it needs to stay that way.

## TARTAN STAFF WEIGHS IN ON SPIELBERG'S NEW FILM

“Meryl Streep's nuanced portrayal of Graham and Spielberg's taste for quietly dramatic direction have created a movie that is in equal parts reflective and inspiring, especially in today's political climate.”

4/5 stars — Naviya Singla, SciTech Editor

“A movie every current or future journalist should watch.”

4/5 stars — Marika Yang, Sports Editor

“Burdened by audience and genre expectations, the plot occasionally struggles to match the gravitas it is afforded. Nonetheless, Streep's brilliantly understated performance, the timely topic, and Spielberg's deft storytelling make *The Post* a compelling feat of filmmaking.”

4.5/5 stars — Anna Boyle, Art Editor

“I found the movie to be very inspiring. It showed just how important and powerful a role the press has in society. Movies like this and *Spotlight* make me feel really proud to work on a newspaper staff.”

5/5 stars — Michelle Madlansacay, Pillbox Editor

“Get ready to cry about the freedom of the press!”

5/5 stars — Nora Mattson, News Editor

“While the movie is a bit dragging during the second act, *The Post* is still a highly important film to watch calling for greater transparency, and the fabulous performances of Tom Hanks and Meryl Streep help to propel this movie to a level of emotion and inspiration that only Steven Spielberg can evoke from a motion picture.”

4/5 stars — Izzy Sio, Pillbox Editor



# A Talk with Casey Neistat

written by Adam Tunnard | Junior Staffwriter

layout by Ikjong Choi | Layout Designer

Last Tuesday, Carnegie Mellon was visited by filmmaker, entrepreneur, and YouTube star Casey Neistat. Neistat, best known for his multimedia company Beme and his inventive style of vlogging, provided some choice advice to Carnegie Mellon's aspiring filmmakers:

## "Nobody knows anything."

Coming from an accomplished filmmaker who presumably knows a lot about his work, this advice was unexpected. A few laughs came from the audience, who thought his advice was just a joke, but Neistat was as serious as could be. As he told his life story through a series of jokes interspersed with videos from his career, Neistat related how utterly unpredictable life can be, and how determination can take you from humble beginnings to national acclaim.

Neistat first entered into the job field as a dish washer in a small seafood restaurant in an even smaller town. He started creating videos as a way to share his feelings and have his voice be heard, hoping to impact others from his tiny community in Gales Ferry, Connecticut. He continued to make videos, eventually moving to New York City. Over the course of several years, he and his brother, Van Neistat, landed

an HBO show *The Neistat Brothers* in 2010. Being in the company of shows like *Boardwalk Empire* and *How to Make It in America*, the show never gained quite the footing they had hoped for. Undeterred, Neistat kept his energy on filmmaking while simultaneously working as a bike messenger in New York. This is where he created the immensely popular "Bike Lanes" video. Currently at 20 million views, this video was the one that established him in the public eye. Neistat was just "angry about having to pay \$50 for riding his bike outside of the bike lane, and decided to make a stupid video about it." This "stupid video" in due time led to a three-film collaboration with Nike, exploding his career as a filmmaker both on YouTube and on the commercial scene. As he so pointedly remarked during his lecture, "who could have foreseen that happening?"

It's here where his advice – "Nobody knows anything" – comes into play. He tells students that he "had no idea what he was doing, but he was doing it anyways," determinedly chasing after his goals and taking down any obstacle that stood in his way. "Big successes can come from unexpected places," saying he could never have guessed that his "stupid video" about New York's transportation laws would result in greater long-term success than an eight-episode HBO series. While life may be wildly unpredictable, "it can take you to places you'd never known."

Like many of the others at the lecture, I found Neistat's advice to be lighthearted, fun, and incredibly valuable. Entering into such an established field, especially one in the entertainment industry, can be incredibly daunting; we're surrounded by others who've accomplished and experienced so much more than we have, and we can often find ourselves feeling like we truly don't know anything. But that's okay – apparently, no one else does either! And as crazy as that can sound, it brings an important truth to mind: all that matters is our own determination and our own grit. While some opportunities can lead to other amazing ventures, and other opportunities may not, setting our sights on our goals and fighting for them can yield incredible results. Like Neistat, if we stick to our guns and focus our energy on our goals, we can have big successes in our own wildly unpredictable lives.

After warmly joking about his past experiences and videos, Neistat finished his lecture with one last piece of advice, and left the audience feeling motivated and energized:

## "Do more, and do what you can't."

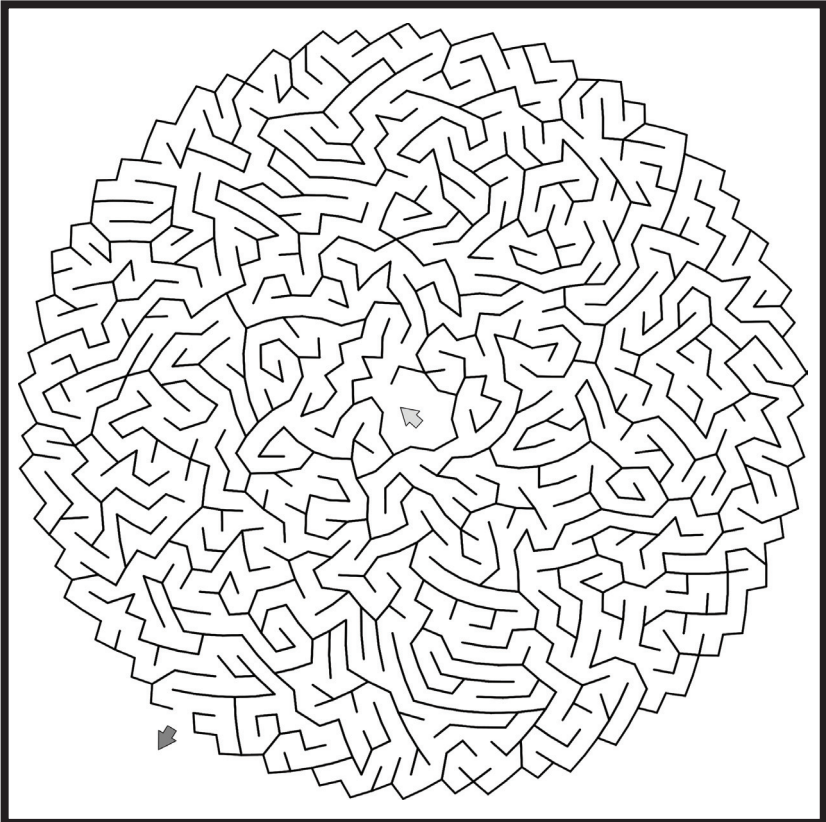


sudoku

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

sudoku courtesy of [www.krazydad.com](http://www.krazydad.com)

maze



maze courtesy of [www.krazydad.com](http://www.krazydad.com)

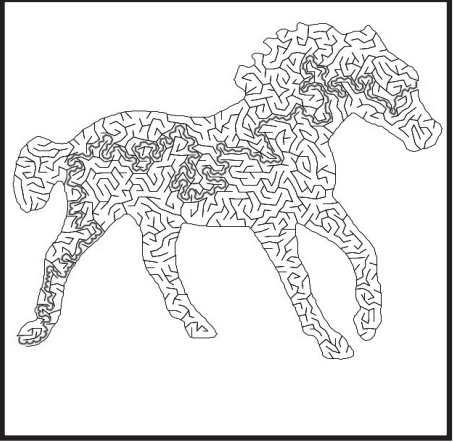
Solutions from Feb. 5

1	2	3	4	5	6	7	8	9	10	11	12	13								
L	I	L	A	C		O	C	H	O		E	P	P	S						
14	O	C	A	L	A		15	S	A	A	B		16	C	O	O	P			
17	C	O	M	I	C		18	A	S	P	S		19	L	I	S	A			
20	K	N	E	E	H		21	I	G	H		22	E	R	A	S	E	S		
			24	N	E	N	E		25	P	R	E	T	E	R	M				
26	S	T	O	A	T	S		29	C	O	V	E								
30	A	H	A	B			32	O	N	O	N	E	S		33	T	O	E	S	
37	L	I	S	L	E		38		39	E	S	T		40	E	E	R	I	E	
41	A	N	T	E	M		42	O	R	T	E	M		44	L	A	N	A		
				45	O	C	T	A		46	O	P	E	N	E	R				
48	S	E	N	A	T	E	S		52	E	L	L	S							
53	N	A	U	S	E	A			54	G	A	L		A	C		55	T	I	C
58	A	R	M	S		59	N	E	E	T			61	N	O	R	T	H		
62	I	T	B	E		63	I	D	E	M			64	A	P	O	S	E		
65	L	O	S	T		66	C	U	R	E			67	R	E	T	A	R		

crossword

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

sudoku



maze



# Mirror, Mirror

by Charlie Higson

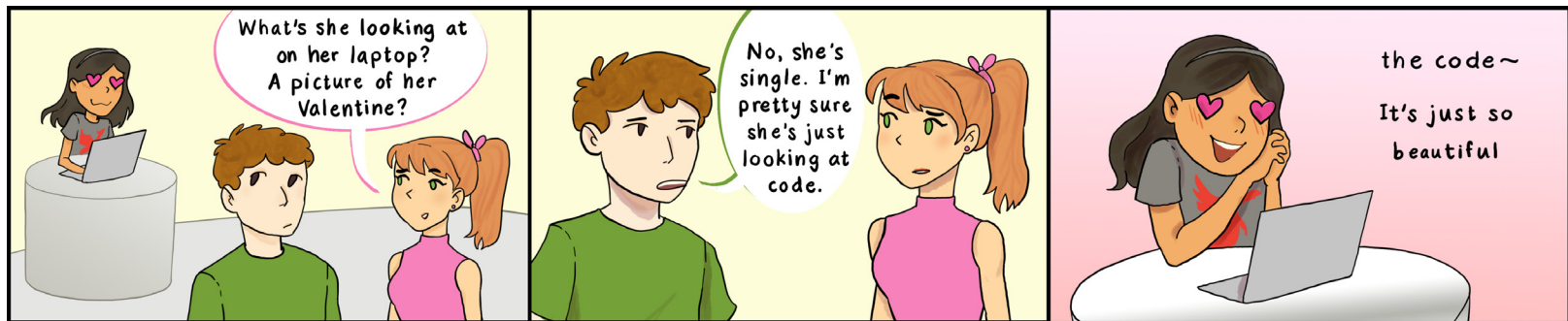


[heckifiknowcomics.com](http://heckifiknowcomics.com)



## SCS Valentine

by Parmita Bawankule



[parmdraws.tumblr.com](http://parmdraws.tumblr.com)

## New Job

by Anthony Labonte



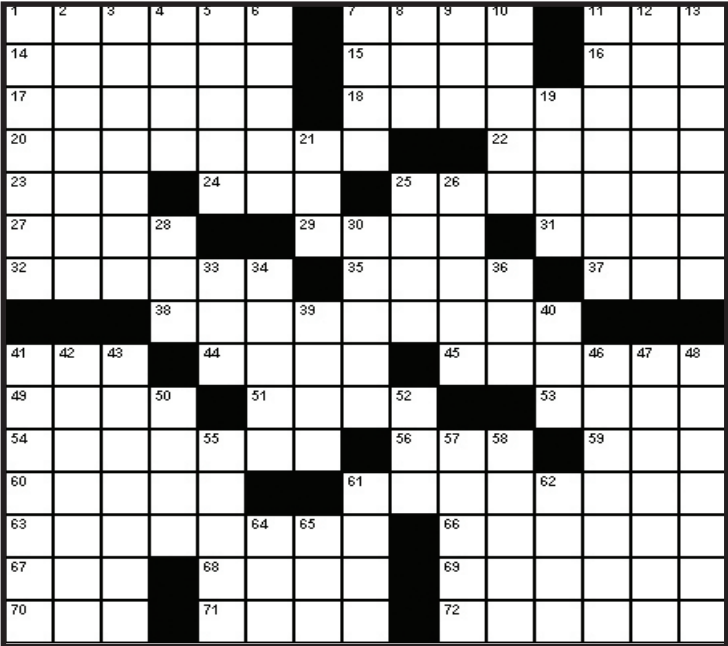
[filbertcartoons.com](http://filbertcartoons.com)



horoscopes: The signs’ romance novel titles

<b>Aries</b> march 21 – april 19	<i>Rough and Ready</i>
<b>Taurus</b> april 20 – may 20	<i>Falling for the Bull Rider</i>
<b>Gemini</b> may 21 – june 20	<i>Bedding the Wrong Brother</i>
<b>Cancer</b> june 21 – july 22	<i>A Summer Seduction</i>
<b>Leo</b> july 23 – aug. 22	<i>Aroused By Two Lions</i>
<b>Virgo</b> aug. 23 – sept. 22	<i>Untamed Billionaire, Undressed Virgin</i>
<b>Libra</b> sept. 23 – oct. 22	<i>Mad, Bad, and Dangerous in Plaid</i>
<b>Scorpio</b> oct. 23 – nov. 21	<i>In Bed with a Highlander</i>
<b>Sagittarius</b> nov. 22 – dec. 21	<i>The Cowboy’s Christmas Baby</i>
<b>Capricorn</b> dec. 22 – jan. 19	<i>Kill or Be Kilt</i>
<b>Aquarius</b> jan. 20 – feb. 18	<i>Dreams of a Dark Warrior</i>
<b>Pisces</b> feb. 19 – march 20	<i>Forgive My Fins</i>

crossword



Crossword courtesy of [FreeDailyCrosswords.com](http://FreeDailyCrosswords.com)

across

- 1. Missing
- 7. Grime
- 11. 1970 Jackson 5 hit
- 14. Jaw
- 15. Bakery employee
- 16. Junkyard dog
- 17. Swindle
- 18. Merchant ship’s nationality
- 20. Annoy
- 22. City on the Nile
- 23. China’s Chou En-\_\_\_\_
- 24. RR stop
- 25. Previous monetary unit of Germany
- 27. \_\_\_\_ dancing is popular with cowboys!
- 29. Singer lves
- 31. Bird of prey
- 32. “The Ice Storm” director
- 35. Revivalists
- 37. Against a proposition
- 38. Abductor
- 41. From \_\_\_\_ Z
- 44. Litigant
- 45. Attack with severe criticism
- 49. Golfer Ballesteros
- 51. Group of tents
- 53. Ask for divine guidance
- 54. Ragtime dance
- 56. Sister of Zsa Zsa
- 59. “Wheel of Fortune” buy
- 60. Magna \_\_\_\_
- 61. Happening every two years
- 63. Not safe
- 66. Treeless tract
- 67. “\_\_\_\_ Ventura” was played by Jim Carrey
- 68. Bone: Prefix
- 69. Tantalizes
- 70. Cleaning agent
- 71. Spotted
- 72. Late bloomers

down

- 1. Accessory
- 2. Sheikdom in the Persian Gulf
- 3. Hoarding
- 4. Decorative case
- 5. Bird homes
- 6. Pay for
- 7. Dreadful
- 8. Bump off
- 9. Rule, for short
- 10. Instant
- 11. Photochemical
- 12. Mexican dish
- 13. Freezing mixture
- 19. Went under
- 21. Bar bill
- 25. Type of school or cook
- 26. Failures
- 28. Antlered animal
- 30. Render weaponless
- 33. Frozen Wasser
- 34. Elicit
- 36. Fairly dry, when describing champagne
- 39. Type of tide
- 40. Knock vigorously
- 41. Not sociable
- 42. Period of a renter’s lease
- 43. Supervise
- 46. Gad about
- 47. Wicker receptacle for documents
- 48. Blind
- 50. Italy’s Villa d’\_\_\_\_
- 52. Architect I.M.
- 55. Folded food
- 57. Roman goddess of the hearth
- 58. Pays to play
- 61. “It’s \_\_\_\_ real”
- 62. Cool!
- 64. Exploit
- 65. Numbered rd.



## monday

02.12.18

**Carnegie Mellon Chamber Series:  
"Russian Duos"**

7:30 - 9:30 p.m.

Kresge Theater - CFA Building

Info: [www.facebook.com](http://www.facebook.com)

If you're interested in classical music, you should attend this event hosted by the Carnegie Mellon University School of Music. Tickets are free and the event is open to the public!

**Joe Biden: American Promise**

7:30 - 8:30 p.m.

Carnegie Music Hall of Oakland

4400 Forbes Ave. Pittsburgh, PA 15213

Info: [www.facebook.com](http://www.facebook.com)

Don't miss this amazing opportunity to listen to former vice president Joe Biden speak at the Carnegie Music Hall of Oakland. Tickets include a copy of his *New York Times* bestseller, *Promise Me, Dad: A year of Hope, Hardship, and Purpose*. Be sure to get your tickets at [www.ticketmaster.com](http://www.ticketmaster.com) if you haven't done so already!

## tuesday

02.13.18

**CMU Art Lecture - Cristobal Martinez**

6:30 - 8 p.m.

Kresge Theater - CFA Building

Info: [www.facebook.com](http://www.facebook.com)

Listen to artist and scholar of liberal arts and sciences, Cristobal Martinez, speak about his work on human behavior and emotions. He is a member of the interdisciplinary artist collective, Postcommodity and founder of the artist-hacker performance ensemble, Radio Healer. His work has also been exhibited in museums and events such as the Sundance Film Festival, Museum of Modern Art, and the Museum of Contemporary Art Chicago. This event is free to anyone who is interested!

## wednesday

02.14.18

**The Princess Bride at AMC Waterfront**

7:30 - 10:30 p.m.

AMC Waterfront 22

300 W Waterfront Dr, West Homestead,  
Pennsylvania 15120Tickets: [www.amctheaters.com](http://www.amctheaters.com)

Need something to do on Valentine's Day? Head over to the AMC Waterfront to watch the romantic classic, *The Princess Bride*, as a part of their Classic Movie Nights event. Pay just \$5 for general admission!

## thursday

02.15.18

**State of the University, #MeToo: What Does That Mean at CMU?**

4:30 - 5:30 p.m.

Doherty Hall 2315

Info: [www.facebook.com](http://www.facebook.com)

Discuss your opinions and listen to what others in the community have to say about the #MeToo movement, at this year's State of the University.

## saturday

02.17.18

**Lunar Gala 2018: FEROX**

8 p.m.

Cohon Center

5032 Forbes Ave., Pittsburgh PA 15213

One of the most anticipated events of the year at Carnegie Mellon, the annual Lunar Gala fashion show will be taking place at the university center on this day. You don't want to miss this opportunity to see the work of over 150 student designers, models, and dancers.



# Carnegie Mellon Wind Ensemble

written by **Izzy Sio** | Pillbox Editor

photos by **Neethi Jayachandran** | Staff Photographer

The Carnegie Mellon University Wind Ensemble's first performance of the semester was a wonderful, heartfelt way to end the week, and was held last Saturday at Soldiers and Sailors Memorial Hall from 4 p.m.-6 p.m. The group performed Walter Piston's "Tunbridge Fair," Charles Ives/Schuman's "Variations on 'America,'" John Mackey's "The Frozen Cathedral," and Hector Berlioz's "Grande symphonie funèbre et triomphale, Op. 15."

