Students from the CMU Labor Coalition pose with custodial staff members ahead the contract ratification vote in the MC-Carnegie Audirum.

**CMU Custodial Staff Ratify New Contract**

*By: NORA MATTSON*

**FORUM**

**SPORTS**

**PILLOX**

**SCITECH**

**100 albums from every decade - 80s**

As technology becomes more intertwined with our daily lives, governments, organizations, and researchers have been taking more action to increase data privacy and rights and autonomy among users. This past December, Carnegie Mellon University hosted its seventh annual Data Privacy Day event to showcase the data privacy research underway at the university. Professor Laurie Carter, the Downtown PPG Professor in Privacy and Technology and one of the event’s organizers, told The Tartan that “most people don't have a lot of awareness about privacy, and it is being eroded or the steps that they can take to protect their privacy.” As the only university in the world with a Ph.D. program in privacy engineering, Carnegie Mellon has shouldered some of the responsibility towards combating the lack of awareness. Researchers and students gathered at the Swanson Auditorium in the Topper Quadrangle to spread awareness about the importance of data privacy. The event aimed to educate attendees about the importance of data privacy, the risks involved, and how to protect themselves.

The event featured a keynote address that discussed how users are often asked to give up their personal information without truly understanding what they are agreeing to. According to Carter, the main takeaway is that users need to be able to share their data in a way that they feel comfortable with.

### New Contract Benefits

The newly ratified contract includes several changes to the existing one. At the vote, Williamson ran through each change, taking questions as he went. One of the biggest changes is a wage increase structure that will require a 50 cent wage increase each year for three years.

### Benefits Highlighted

- **Improved Training:** The contract includes improved training for custodial staff, which will help to enhance their skills and overall performance.
- **Increased Respect:** The new contract emphasizes the importance of respecting custodial staff members. This includes protecting confidential information and ensuring that employees are treated with respect.
- **Health and Safety:** The contract includes provisions to improve health and safety conditions, including more frequent breaks and improved lighting.
- **Recognition:** The contract includes provisions to recognize the contributions of custodial staff members, including the opportunity for promotions and bonuses.

### Conclusion

The new contract is a significant step forward in ensuring the rights and autonomy of CMU custodial staff members. It represents a commitment by the university to protect the privacy and autonomy of its employees and to ensure that they are treated with respect.

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*Image: Jacob Paul/Staff Photographer*
Martial Hebert installed as School of Computer Science Dean

After the installation ceremony, Carnegie Mellon president Farnam Jahanian and Provost James H. Garrett present SCS’ new Dean Martial Herbert with an engraved quaich, a traditional Scottish symbol of friendship.

Crime & Incident: Jan. 25-31

**Alcohol Amnesty**
Jan. 25, 2020
Officers responded to Best House and the Greek Quad for intoxicated students. Four Carnegie Mellon students were provided medical attention, and no citations were issued due to alcohol amnesty.

**Hit and Run**
Jan. 27, 2020
A Carnegie Mellon student struck another vehicle with their car and failed to provide information before leaving the scene. An investigation was conducted and the student was issued a traffic citation.

**Public Intoxication**
Jan. 28, 2020
Officers assisted Pittsburgh police officers with an intoxicated male at the PNC Bank at the intersection of Fifth Avenue and Craig Street. The Carnegie Mellon non-affiliate was transported to the hospital for medical attention.

**Suspicious Person**
Jan. 29, 2020
A university police officer observed a suspicious male in a computer lab in Baker Hall. An investigation determined that the male had entered the building and accessed the building unlawfully. The male was placed under arrest and transported to the Allegheny County Jail on numerous criminal charges.

**Domestic Situation**
Jan. 30, 2020
Officers responded to College of Fine Arts following an altercation between a Carnegie Mellon staff member and a non-affiliate. The non-affiliate was placed under arrest and transported to the Allegheny County Jail on numerous criminal charges.

**Assault**
Jan. 29, 2020
Officers responded to the Cohon University Center following an altercation between Au Bon Pain employees. The investigation is ongoing.

Compiled by ADAM TUNNARD

WEATHER

Source: www.weather.com

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FORWARD

John M. Carey’s Campus Diversity: The Hidden Consensus

A few of this week’s activism opportunities at Carnegie Mellon

50 YEARS OF EARTH DAY: FAST FASHION LECTURE

Compiled by ADAM TUNNARD

 Corrections & Clarifications

If you would like to submit a correction or clarification, please email The Tartan at news@thetartan.org or 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.
Newstead interviews for math dept. job

CMU custodial staff vote on agreement with Aramark

**CONTRACT** from A2

...years, starting in 2023. For 2020, custodial workers will receive a $3.00 an hour raise, which will put back pay for time they’ve already worked this year.

All classifications have been extended by the new contract. The contract introduces three new classifications: Pi (supervisors or supervisors, but will be paid from within so as to ensure work, and receive triple pay. The job description is forth

**Resume** from A1

He served as Mackey’s teaching assistant for Mathematical Concepts and Proofs in 2015 and 2016, where he continued writing the lecture notes for Mackey’s class. Newstead was not particularly fond of the learning assistant. His notes did, however, become the text for Mackey’s class...
Indian Student activism sets an example for U.S.

While the U.S. is caught in its own fascist nightmare, other countries are dealing with their own. One such case is India, the world’s largest democratic republic, with over 800 million voters. The prime minister, Narendra Modi, has at the core of his policy a nationalist and anti-Muslim agenda.

The lack of any organized student activism in India, even with the culture of protests and strikes that has erupted in the last few years, is quite astounding. Students have not taken to the streets, as they have in the past, to protest the policies of the government. The reason for this is the lack of any organized student movement in India.

One such case is the student movement against the Citizenship Amendment Act (CAA) and the National Register of Citizens (NRC). The CAA is a law that allows people of any religion to immigrate to India, while the NRC is a list of all Indian citizens. The CAA has been met with widespread resistance, and students have taken to the streets to protest it.

The student movement in India is a rare example of the power of student activism. The students have been able to bring about change, and their efforts have been rewarded. In contrast, the student movement in the U.S. has been met with resistance and often violence.

The CAA is related to the national political system in India, which is a federal system with a strong central government. The CAA has been passed by the Indian Parliament, and it is implemented in India by the state governments. The CAA is a measure to implement the register for proper documentation and was introduced to counteract the large number of people who became an issue when many refugees from Bangladesh, and Afghanistan, with their own. One such case is the student movement against the Citizenship Amendment Act (CAA) and the National Register of Citizens (NRC). The CAA is a law that allows people of any religion to immigrate to India, while the NRC is a list of all Indian citizens. The CAA has been met with widespread resistance, and students have taken to the streets to protest it.

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ART

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Assistant Copy Manager

THE TARTAN

The Tartan is an independent student newspaper published in the United States. It is published weekly during the academic year and monthly during the summer. The newspaper is published by The Tartan, Inc., a non-profit organization.

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The Tartan • February 3, 2020

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of the world.” It was a center of histories. Those neighborhoods and many others have become victims of this cycle of discrimination. Neighborhoods that were once thriving and vibrant neighborhoods across the country, the Hill District was selected as a site for “urban renewal” in the 1950s. The city’s “revised” version of a “renewed” neighborhood, used to make space for a hockey arena downtown. This was done with little regard for the existing community. Renting the Hill District Council member, George E. Evans, was a vocal supporter of the removal plan in a July 1943 issue of Greater Pittsburgh. Evans argued, “there would be no social loss if [buildings] were all destroyed.” As this “renewal” dismantled the neighborhood, 8,000—9,000 families were displaced from 4,500 buildings to make space for a hockey arena and parking lots for fans wanting to see the established clubs play. The Hill District — the area has “struggled with varying levels of dilapidation and crime,” therefore suggesting with varying levels of dilapidation and crime, the Hill District has lost the majority of its population. The Hill District still stands today, hosted some of the best Black baseball teams in the country (future MLB great Satchel Paige got his start on the Hill), the Hill District, became one of the least Black neighborhoods in the country, losing 58 percent less likely to be served by police department and ask for help without the threat of arrest. The LEAD program places an emphasis on harm-reduction, working with mental health professionals, drug treatment providers, housing providers, and other service agencies to offer a humane alternative to the criminal justice system. Harm-reduction programs meet people where they are and provide the services necessary to help them improve their health and their lives. As Pittsburgh explores the potential of LEAD programs, the rate of incarceration has declined. Because inviting into their community. We should reach out to communities in a way that is focused on the work of criminals can actually bring about even back into old habits after their release from jail. Not only a slide back into the system, but it is also very costly. The LEAD program, developed in Seattle, WA, is measuring the results by reaching out to communities in a way that is focused on the work of those incarcerated and to encourage others to do the same. The LEAD program places an emphasis on harm-reduction, working with mental health professionals, drug treatment providers, housing providers, and other service agencies to offer a humane alternative to the criminal justice system. Harm-reduction programs meet people where they are and provide the services necessary to help them improve their health and their lives. As Pittsburgh explores the potential of LEAD programs, the rate of incarceration has declined. Because inviting into their community. We should reach out to communities in a way that is focused on the work of those incarcerated and to encourage others to do the same.
In response to rising tuition:

College education should be free. For everyone. Who decided to put a price tag on education, anywhere? Who decided what the monetary value that accompanies certain information should be? Who decides what one subject more is worth than the other, and what knowledge itself is worth? Who decided that Carnegie Mellon should be considered a fundamental human right, and what people mean when they say the globe they reside in? That is why I am writing about Carnegie Mellon’s decision to increase tuition by 3.2 percent, and how this becomes. I consider the monetary increase a barricade in this right. I have a right to learn in an environment where I can’t be stressed or oppressed by my ability to pay. At Carnegie Mellon, tuition has increased six times in recent years. According to Carnegie Mellon’s Office of Student Financial Aid (OSFA), Facebook, the estimated total cost of attendance for first-time undergraduates has spiked from $49,464 in the 2000-2001 academic year to $87,980 in the 2020-2021 academic year. In total, the cost of attendance increased by over $38,516. A common mind of thought that the trend of rising tuition like this one, especially in states with lower socioeconomic status from applying to Carnegie Mellon in the first place. Unfortunately, I have to agree. The prospect of simply being able to afford going to a good college should not cause brilliant and deserving students to keep away from applying. We, with nation inclining closer and closer to coming upon figures each year, it is perfectly valid for anyone aspiring for colleges to widen their eyes in surprise and depict Carnegie Mellon off of their list of options. Most students in the U.S. come from households struggling financially already but find it a hard pay for the fees to take subject tests and apply to the colleges themselves. Administers to these expenses the potentially ridiculous cost of tuition, just as graduates with sufficient debt don’t even possess students any favors. On the other hand, I will give it to Carnegie Mellon that along with that 3.2 percent increase in tuition, there was also an across-campus increase of 3.8 percent in financial aid. However, many students don’t receive the amount they are allotted, as well as I, from the financial aid, so they are not affected. I thought of my international friends who are provided no financial aid at all, as non-U.S. residents. On top of not receiving aid from Carnegie Mellon as an institution, they are unable to apply for an overwhelming majority of scholarships, based on the same premise that they are non-U.S. residents. Now, let’s look at how this impacts international students academically. In 2018-19, the school was ranked one of the top 5 of highest ranked international students at Carnegie Mellon are international students. Carnegie Mellon’s Undergraduate International Students webpage and the U.S. News-Short List. This means that the increase in financial aid provided to compensate for the increase in tuition does not apply to 22 percent of the student body. With virtually no aid provided, it’s highly unlikely the increase would further discourage applications. Carnegie Mellon is a haven for individuals not just from America’s lesser socioeconomic status, but from across the globe. At the same time, it costs less to attend Princeton, Harvard, Stanford, and Yale. The tuition increase is a dangerous form of economic exclusion. It is preventing certain numbers of people from obtaining the opportunities available to them. Unfortunately, that Carnegie Mellon has to offer, and it has a direct result of a patch of debt into the hands of current students. The debt-to-income ratio is increased by levels of stress and generalized financial instability across the student body. If Carnegie Mellon University wants to provide the optimal student experience, it is important that they strenuously advertise, the student body, and the students themselves, and then they should live up to their word — beginning with their tuition.
Science & Technology

Mapping software explores the legacy of redlining

RHAN NASSRE
StaffWriter

It is no secret that almost 60 years after the passage of the Civil Rights Act, structural racism is still a prevailing issue of our time. Even if segregation and racial discrimination laws have no longer explicit in their wording, their level. Redlining thus ensured that communities of color could not obtain housing loans, and prevented them from moving from one neighborhood to another. Even though this practice has been banned since the Fair Housing Act of 1968, segregating African-Americans and people of color into discrete communities is a hard problem that cannot be solved easily. Pittsburgh has a very high degree of racial segregation to this day. ”

Anne Wright
Carnegie Mellon University

"Pittsburgh has a very high degree of racial segregation to this day." 

The historical redlining boundaries of Pittsburgh, which determined housing loan availability. Green is “best”, blue is “still increasing”, yellow is “definitely declining”, and red is “hazardous”. Hazardous regions are predominantly African American.

The redlining maps. The main difference between Pittsburgh and Milwaukee (one of the most racially segregated cities in the country) is that Milwaukee has one big predominantly African American area with income edges, while Pittsburgh has a number of areas with sharper edges,” Wright said.

Another factor reproducing the effects of redlining is gentrification. "Some of [the displacement] is not people moving further out into the countr. . . . [Recently] there is a significant increase in the African American population in the East Hills. One of the things I did not understand at the beginning of this is that not only are the public transportation options higher inside of Pittsburgh but so are the rights, there are more protected classes, the commission on human relations that does fair housing enforcement. These are not available outside of Pittsburgh in the same way, so when the people are displaced they end up further out. They are potentially more vulnerable and have fewer opportunities for transit to work, school, childcare and so on," Wright said.

"We have been working with organizations that are trying to support vulnerable populations, especially African Americans who are vulnerable to displacement from increased rents," she continued. "We are trying to understand from [those organizations] what are the things that people in power do not understand that they need to understand so that we can bring these stories to them."

EarthTime’s ability to explain these recent trends is limited by its data sets. "We don’t have new block-level data until the 2020 census comes out," Wright explained. "The American Community Survey data is, what we have that is more recent, is 5-year averages released yearly, so, for instance, I can see that there are more apartments being built, but I will not see on the block-level that folks are there until the 2020 census."

EarthTime can see where public housing has been closed or replaced and replaced with profit-driven housing pushing out people of color, such as in the East Liberty neighborhood. With new data from the 2020 census, EarthTime will be able to visualize what might happen next to these housing communities.

"[School district lines] are also significant boundaries with respect to housing values, race, income, employment, you name it."

Anne Wright
Carnegie Mellon University

"[School district lines] are also significant boundaries with respect to housing values, race, income, employment, you name it."

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Carnegie Mellon University

Write for SciTech!
scitech@thetartan.org

February 3, 2020 • The Tartan
thetartan.org/scitech • A7

A map showing the median property values of houses in Pittsburgh delineated against school district boundaries. Red indicates values that are displaced … they end up further out. They are potentially more vulnerable and have fewer opportunities for transit to work, school, childcare and so on," Wright said.

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"[School district lines] are also significant boundaries with respect to housing values, race, income, employment, you name it."

Anne Wright
Carnegie Mellon University
Stressful situations cause grey hair

DAVID FAI
Junior Staff Writer

Legends from around the world feature characters whose sadness turns their hair grey overnight. Bizarre as they appear to be, those stories actually include an element of truth. Researchers at Harvard University confirmed that stress can indeed lead to grey hair and dissolve the individual living in it.

In a study published in Nature, the authors found that the nerve cells involved in the fight-or-flight response cause permanent damage to the pigment-regenerating stem cells in hair follicles in mice. This finding advances our understanding of how stress impairs the hair, moving researchers one step closer to blocking its negative effects.

To discover the cause of grey hair, researchers tested and eliminated different possible sources. They first hypothesized immune attacks on pigment-producing cells were the cause, but mice without immune cells were still susceptible to grey hair. They proceeded to other theories such as cortisol, the hormone elevated by stress. The theory of cortisol was disproved by further experiments on mice. After the mice lost their abilities to produce cortisol, they could still grow grey hairs under stress.

After several rounds of the process of elimination, the scientists landed on the sympathetic nerve system, which is responsible for the body’s fight-or-flight response, as the culprit.

The nerve cells involved in the fight-or-flight response cause permanent damage to pigment-regenerating stem cells.

Write for SciTech! scitech@thetartan.org

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. 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.

Preference will be given to applicants with strong academic records and 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/.

Applications may be accepted after the deadline until all positions are filled.

Keto diet effective in mice for just a week

Yale researchers discovered that ketogenic (keto) diets result in health benefits in the short term, but being on a keto diet for longer than roughly a week dramatically impacts health. In a study published in the journal Metabolites, researchers found that rats maintained on a keto diet for a short period of time lowers diabetes risk and inflammation. This mouse study also serves as an important step towards initiating human clinical trials.

A keto diet turns 90% of calories from fat and protein, with the remaining 10% coming from carbohydrates. Celebrities such as LeAnn Rimes, Kim Kardashian, and Gwyneth Paltrow have praised the keto diet as an effective diet to lose weight. Due to their endorsements of the diet, it has enjoyed a recent spike in popularity.

Yale researchers discovered that the keto diet’s impact – positive and negative – is primarily due to immune cells known as gamma delta T cells. These T cells are tissue-protective cells responsible for the role of the immune system in tissue function – including organ function – as well as responses to infections and injury. Immune cells that are not involved in tissue function can be considered immune attacking tissue.

These T cells play an integral role in a wide variety of diseases, including cancer, autoimmune diseases, and infections. The role of these cells in health and disease has been poorly understood, as they are difficult to isolate and study.

Keto diet effects on immune cells

Our findings highlight the interplay between metabolism and the immune system, and how it coordinates maintenance of healthy tissue function.

Long-term human clinical trials are necessary to confirm the keto diet’s health benefits. With about 34 million prediabetic American adults according to the Centers for Disease Control, this research could be critical to reducing the risk of many chronic diseases, including stroke, type 2 diabetes, and heart disease.

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 24, 2020, and end Sunday, July 5, 2020.

Applicants are encouraged to apply online at the CMU website; use the keyword PGSS.

http://www.comet.cmucareer.org
Contact: PGSS Office, CMU 4177, 5000 Forbes. or e-mail pgss@cmu.edu

Application Deadline: March 31, 2020

(Applications may be accepted after the deadline until all positions are filled.)
BASKETBALL, from A10

The timeout seemed to be effective for the Violets, and a series of layups and free throws stifled the Tartans’ progress, limiting the margin back to an eight-point difference. A couple of well-planned strategies, along with a couple of layups, put the Carnegie Mellon University team in the lead by 13 points, the score reaching 80-67 with two minutes left to play.

Although New York University put in their best effort to stop the Tartans’ momentum, utilizing their final team timeout, free throws courtesy of junior Daniel Wein, along with McNeil and Howarth, made sure that the score stayed as it was.

Though the Violets managed to score two free-throws in the last 15 seconds of the entire game, it was still not enough to overcome the gap between the scores. The game ended with the Tartans presenting a 13-point lead, the final scoreboard reading 94-77 in favor of the Carnegie Mellon University men.

Overall, the Tartans performed quite well, having scored nine turnovers — half of their points scored off of turnovers — compared to the Violets’ seven. In terms of assists, the Carnegie Mellon University men also led, with 22 compared to New York University’s 8.

Of the 22 assists, 17 came from Colin McNeil. This statistic means that McNeil has broken the single-season assist record and tied the University Athletic Association (UAA) single-season assist record. In doing this, he needs just 4 more assists to break the decades old single season assist record, and 33 more to become the Carnegie Mellon Men’s Basketball Program’s career leader.

The Tartans now look to face New York University at home on Friday, Feb. 7.

5G shift in sports tech

The first trial of the app, unveiled back in September of last year, was a live demonstration during a Bundesliga match between VfL Wolfsburg and TSG Hoffenheim at the Volkswagen Arena. The spectators who took part in the trial received real-time statistics, among which included players’ individual match values, player speed, and expected goal probability. In doing this, the DFL seeks to connect fans’ unique stadium experiences with the near-instantaneous flow of digital information. According to the DFL, Group’s Executive Vice President Digital Innovation, Andreas Heyden, “the Bundesliga continues to pioneer new innovations. Powered by 5G technology, together with our clubs, we will be able to provide real-time data and expand the stadium experience with the help of augmented reality.”

This award marks yet another milestone for the innovation we are making in this area. Recognition of the quality and progress we have achieved with our partners and further reason why we’re considered one of the leading sports brands by the tech industry — football’s innovation leader.”

The DFL has expanded its prospects for innovation to media output as well, having experimented with broadcast experiences for smartphone users to view the match in portrait mode if they so wish. Although a relatively small change, it may not significantly enhance the viewing experience for a majority of the audience, the accommodating nature of this development is still commendable.

All in all, innovation in the broadcast and presentation of sports, particularly innovations that involve enhancing the experience of the audience in creative, original ways, are integral to the overall progress of the sport and the industry. It is hopeful that more leagues and operations will follow in the DFL’s example in developing comprehensive solutions to keep pace with and to take full advantage of contemporary advancements in technology.
Kobe Bryant died in fatal crash

MATTHEW BENUSA
Editor-in-Chief

Last week, retired NBA star Kobe Bryant died in a helicopter crash at the age of 41. Bryant’s daughter Gianna, age 13, also died in the crash. The tragedy also claimed the lives of seven others, including the pilot.

The loss of Kobe Bryant to his teammates and to basketball fans around the world is incalculable. The only figure close to Bryant to have come close to the heights he reached was Michael Jordan.

In interviews, NBA players expressed their sorrow at Bryant’s passing.

Numerous players posted their condolences to Twitter or Instagram. Many discussed the impact Bryant had on the game from his time on the court, reaching numerous milestones, to his after time retirement, acting as a mentor to many of the young stars in the league.

Early in his career, Bryant faced an allegation of sexual assault. The case was dropped out of court, and Bryant wrote a letter as part of the settlement deal. Since then, Bryant has not faced other allegations of sexual misconduct.

The day before Bryant’s death, Lebron James passed his career point total, and on Saturday, James finally played his first game since Bryant’s death. In a speech to the crew before the game, James said, “Kobe’s a brother to me. From the time I was in high school, watching him from afar to getting in this league at 18, watching him up close. All the battles we had throughout my career. The one thing that we always shared was determination to just always want to win and just want to be the best.”

Bryant’s legacy as an NBA star is similar to that of other famed players, like Michael Jordan, where their on-court reputation and importance to the sport outweigh any off-court issues they may have had. Bryant won one MVP award, and averaged 25 points a game, 5 rebounds a game, and 5 assists a game over the course of his career. He helped the Lakers win 5 NBA championships.

Penalty shouts: MLB Hall of Fame tragedy

MATTHEW BENUSA

This is Penalty Shouts, The Tartan’s sports column inspired by The New York Times’s Daily Doubles. This installment will focus on anything and everything baseball related to sports world that is deserving of our attention.

Late in January, I interviewed someone present at last year’s Baseball Hall of Fame ceremony to hear about the selection decision process, which saw Derek Jeter and Larry Walker elected to the Hall.

Two additional people were chosen by the Baseball Writers Association of America, which was comprised of a player’s representative, called HOF’er. “He didn’t shoot dope, he played the game like it was supposed to be played. Not to mention, he was a great rub for our fans,” they said in a press statement.

In light of Curt “Bat-leafage play” Schilling missing out on the Hall of Fame once again, the writer had one thing to say: “Good.”

Other people that were not to be cited this year include teammates Barry Bonds and Roger Clemens. “Those fools will never, ever be in the Hall of Fame,” Bonds said.

In light of the statement, Bonds and Clemens responded by saying that their success was a function of their baseball skills, not their steroid use. “We still have to play the game, our goal was to win. But our careers were extended by the steroids. Even without the steroids, we would likely be in the Hall of Fame,” Bonds and Clemens said.

The writers and editors believed they had enough evidence to elect Schilling, but not Bonds and Clemens. They wanted Bonds and Clemens to be elected. They went to the bathroom and said, “Cuz, you’re not going to be in the Hall of Fame, that’s final.”

Of all the writers who laughed their silly laughter, it made Figueroa feel bad.

One last thing she did before the bathroom, and the writers ended the election:

The writers were on the main stage to announce a new Hall of Fame member. Then, they lit the candle, and on the building left and the candles burned.

Unfortunately, one of the candles fell over and lit the building on fire. Everyone evacuated unchained, except for Chone Figueroa. Figueroa was injured, and his wheelchair with him. They cremated his culd and left the candles burning.

In light of the statement, Bonds and Clemens responded by saying that they were inducted to the Hall of Fame, which was extremely sad for Figueroa. Hopefully, he’ll be able to recover someday.
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This review contains some spoilers for the movie.

There are plenty of reasons not to watch this Scorsese crime drama. It’s three and a half hours long (just ahead of Titanic by 15 minutes), most of which is just talking, and has a plot revolving around more names than the Pentagon Papers. For the viewer who’d rather relish the chance to turn off their brain, I hate to break it to you, this film may not be for you. The constant over-the-shoulder shots and harmonica theme would probably bore you faster than the line at La Prima.

Nevertheless, there are several reasons why you should certainly give The Irishman a try, aside from the fact that it has ten nominations at this year’s Academy Awards. Given a chance, the film’s plot, characterization, and even its cinematographic decisions will certainly leave a permanent impression in your mind. However, remember that it is three and a half hours long, so I’d highly recommend creating a personal agenda of intermissions. (Preferably an ice cream break as well — you’ll see why.)

Based on the book I Heard You Paint Houses by former prosecutor Charles Brandt, the story centers around Frank Sheeran, an Irish mafia hitman, and his alleged murder of union president Jimmy Hoffa. Before I go any further, “to paint houses” was a term used by the mafia to mean, well... to kill people by contract, comparing paint to the blood that would splatter against the walls. This phrase was usually followed by, “I also do my own carpentry,” meaning that the contracted killer’s jobs included getting rid of the bodies (and the weapons too). Even though this phrase itself is hardly mentioned in the film, it is important to know this term if you’d like to be able to keep up with the story. I digress.

Frank Sheeran, played by renowned actor Robert De Niro, begins as a World War II veteran and Pennsylvania truck driver, where he meets lawyer William Bufalino (Ray Romano) and mafia head Russell Bufalino (Joe Pesci) on a false accusation of company theft. Through these connections, he eventually crosses paths with Jimmy Hoffa (Al Pacino) and begins a political career balanced with his contract killing.

Out of this all-star cast, Al Pacino certainly didn’t fail to bring his iconic on-screen charisma; he made me laugh more times in this film than he made me blush in The Godfather. Without a doubt, it was a breath of fresh air to see him back in a role where he gets to “play around” with his character, adding vocal nuances and physical mannerisms that make his character memorable. Pacino brings his signature, flamboyant flavor of acting and blends it with the no-nonsense, never-wait-longer-than-ten-minutes personality of the real Jimmy Hoffa, topping it off with a voice that never made the word ‘solidarity’ sound better. By the way, this character loves ice cream; he enjoys 4 sundaes within the movie. The real Jimmy Hoffa was known to be a non-drinker and a non-smoker, but apparently loved his ice cream. The screenwriters and Pacino chose to use this as a recurring theme. Nevertheless, Pacino’s one-liners and wit, covered in a heap of situationally-appropriate cussing take the cake as his most memorable characteristic. The quote “You always charge a guy with a gun! With a knife, you run away” will probably be forever associated with Pacino’s face, along with “say hello to my little friend” and “Just when I thought I was out, they pull me back in.”

On that note, another notable cast member Anna Paquin is cast in the role of Sheeran’s daughter Peggy, with the younger version played by Lucy Gallina. Many critics find her silence meaningful throughout the film, almost show-stealing worthy. Acting with her eyes most of the time, she conveys her own perspective on her father’s occupation and her silent negative judgment. Contrasting with Pacino’s flamboyance (with whom she shares great on-screen chemistry), Paquin’s method of acting fits her role perfectly and even surpasses the acting of many of the other cast members of The Irishman.

From a cinematographic point-of-view, The Irishman raised eyebrows with its use of computer aging in order to show the time progression of the central characters. While many found it distracting, I found it quite pleasing - it certainly removed the constraint of casting different actors to play the same character through different walks of life. In addition, the inclusion of vintage music, especially “In the Still of the Night” by the Five Satins, added a constant presence of warmth in a film filled with scenes of minimally embellished violence and subtle dramatic dialogue.

When I was finished with this three-and-a-half-hour long piece of cinema, I’ll admit that I was ready to give this a 4 out of 10, simply because it felt like the action was faltering and the plot increasingly difficult to follow. However, after a bit of journaling, some online research, and yes, some much-needed rewinds, I changed my mind. Now, I’d give this film an 8/10, for its acting and amazing technical work, and I’d tell you to keep an eye out for this piece of cinema at Sunday’s Academy Awards.
I used to listen to music in the way a lot of people do: I had 10-15 songs that I played repeatedly, which cycled through as songs were forgotten and new ones discovered. Sure, I would listen to a new album here and there or indulge myself in some throwbacks from my childhood, but for the most part, I listened to the same songs. This continued until 2018, when I decided to start listening to current releases as a way to expand my musical knowledge and enjoyment.

I figured that there was so much music that I could experience and appreciate, and something about the concept of an album — a dynamic artistic expression packaged up into a cover with a name and subsequently mass distributed — fascinated me.

I followed through with this plan, but about halfway through it, I got a more ambitious idea: Why not apply this on a larger scale? I imagined how much music I could discover from before I was even born. I decided to dedicate 2019 to listening to 100 albums from each decade starting with the 1950s. My goal was to expand my musical knowledge, but what I discovered was something much bigger and much more important than that.

I knew I needed some kind of structure for this endeavor. I didn’t want to just pick random albums for each decade. Instead, I started following “Top 100” lists for each decade. I would listen to these in chronological order, with 2 months dedicated to each decade. I also knew that this would mean something significant: I was going to be listening to a good deal of music I didn’t like. Nonetheless, I wanted to grasp the full picture.

It was a frigid New Years Eve, in my living room in the dead of night, when I embarked on my musical journey. There I was, sitting in my living room, with the dulcet tones of Richie Valens softly cooing in my ears. It was then that I realized: this was going to take effort. This realization became more and more clear to me over the following month, as I was listening to jazz album after jazz album, with seemingly so little perceptible variation in style. I had to constantly remind myself that I couldn’t let this be a passive process. I had to focus on what I was hearing and engage with it. There were many a time when I would drift away dreaming of Led Zeppelin while Miles Davis’ trumpet yelled at me for it in my headphones. I realized it would take effort, and patience. This effort and patience turned out to be the biggest reward of the experience.

I transitioned into the 60s in March, as the weather was beginning to thaw, which I found to be a sort of metaphor for coming out of the relatively monotonous and unadventurous 50s. As I became more comfortable with this new pace of listening, I found certain pockets of my routine that would be associated with new albums: walks to school, walks to work, my art class, weekend mornings, long drives. I enriched these daily, sometimes boring parts of my life by experiencing a new song, album, or artist during them. I began to discover the magic...
of what I was doing. I began to realize that I could pick a song or album from my ongoing playlists and remember where I was when I was listening to it, and even sometimes my thoughts at the time. As I traveled into the 70s and simultaneously the end of my high school career, I developed a sense of nostalgia about the music I was listening to: certain songs and artists evoked a memory or a feeling that I had while listening to them. The decades became deeply-embedded representations of different phases of the year: the cold and cozy winter for the 50s, the warm and gentle spring in the 70s, and then the hot and bright summer in the 80s. The pop, dance, funk, and (finally!) hip-hop of the decade became the soundtrack for sunburns, salty hair, warm nights and sunny days.

It was also at the end of this decade that my family drove down to Pittsburgh to drop me off here at Carnegie Mellon. I was immersed very suddenly in an entirely new environment, and the music I listened to reflected this. Following the blissful 80s I plunged into the grimy, heavy grunge that characterized much of 90s music. These albums and artists evoke memories of the cloudy and rainy fall days, along with many of the “firsts” of my college experience. They bring about a sense of rawness that comes from the music itself as well as the context in which I was listening to it, as I was adapting to my new environment. The stark contrast from the 80s was fitting with the daunting change that I underwent in that period.

Entering the 2000s in November felt like entering the home stretch, and it was akin to what I was feeling about the first semester. The anticipation created by entering the current millennium of music corresponded to my anticipation of going home for Thanksgiving. The music was becoming more familiar, and it felt as though I was coming out of the strange dream of the 90s, my most unfamiliar decade of music. I was listening to songs and albums that I remember playing on the radio or in my headphones so many years ago, but also seemingly just yesterday. The recognition provided a sense of comfort, of control, of return. In a way this feeling was a predecessor to that of going home later that month, feeling like I was returning back to the familiar after a long and strange dream, a dreamless sleep.

Going into this musical journey, I expected something quite different from what I got. I knew certain things would happen: I knew I’d experience the changing of music, and the rise and fall of big names in recent musical history. I did experience these things, but I also found a deeper meaning to music and life in general. The experience taught me a lot about what makes something memorable, such as providing yourself with new stimuli when you can rather than going through the same motions repeatedly, a trap that is especially common among college students. It also taught me much about patience — the value of indulging in something, even if you suspect you won’t like it, and even if you don’t like it. Music provides a safe way to step out of your comfort zone and try to understand something you dislike. You might learn to appreciate it, or even grow a fondness for it. An album might have 11 songs that make your ears bleed, but that one song you save to your library can become a marker for valuable memories, and that is a great metaphor for life.
An Interview with Blair Underwood

Blair Underwood was forced to leave Carnegie Mellon halfway through his junior year for financial reasons, but just two years later he was starring on L.A. Law, one of the biggest shows on television.

Underwood, soon to co-star in the Netflix series Self Made, has played a wide array of characters, with many spotlighting African Americans in roles where they have been historically underrepresented. Now, he’s starring on Broadway as Captain Davenport in A Soldier’s Play, which revolves around the murder of an African-American sergeant on a Louisiana army base in 1944. Davenport investigates the case, battling discrimination by white officers, even as he unearths the bitter rivalries among the black soldiers.

Underwood deftly switches between charisma, stoicism, and exasperation at an unfair system. Despite years of TV stardom, it’s clear Underwood still loves theater, describing the “symbiotic relationship” between actor and audience as “riding a wave, every night” in a phone interview with The Tartan: “As actors, at the end of the day we’re storytellers.”

Q: Growing up in a military family, you moved a lot. Did having to constantly adapt to new places, new cultures, and new people inform you as an actor?

A: Growing up like that, you either stick to yourself or you learn how to adapt and assimilate, not to the point of losing yourself, but to connect and be absorbed into a school, a community, a church, whatever else. That’s very much the life of an actor—it’s a very nomadic lifestyle, you have to go shoot on location or do a play. You’re constantly pulling up roots and putting them down somewhere else.

Q: Has playing Captain Davenport helped you better understand what your father went through as an African American Army officer?

A: Any character you play, you put their skin on. You take their thoughts and their dreams, and every night for two hours you take that journey. Of course, this play is set in the ’40s, my dad was there in the ’60s and ’70s, but there are a lot of similarities in terms of being underestimated, being “tolerated” by some who may not want your presence there, yet you still forge forward with excellence as your beacon. Experiencing that journey every night has given me a broader understanding of his career.
Q: What did you feel like you got out of Carnegie Mellon while you were here?

A: What I learned was process, how to build a character. We learned everything you could want to learn really. It was all-consuming, comprehensive, I loved getting in the trenches and being challenged like that. They expect a lot of you, which I’m grateful for.

Q: What did you feel like you got out of Carnegie Mellon while you were here?

A: It meant a lot to me. I never like to start something and not finish it, so to be able to come back and actually graduate and get my diploma was important. I’m a very practical person, and pragmatic, so I knew it was a win-win situation.

At the time I was on the number one drama on television, L.A. Law, so it wasn’t a bad thing for the school to say “that kid on T.V. came from here.”

They let me use those three years that I’d been out in the world as “real-life” work credit. I had to write a final thesis, “The Business of Show.” At that time, we learned everything we could about the craft, nothing about even auditioning or getting a job, much less building and maintaining a career. I know they’ve remedied that since, to help people make the transition from a university to the business.

Q: What did it mean to you that the school later offered you the opportunity to complete your degree?

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A: The experience between the actors on stage and the audience is the same wherever you go. That said, what is unique and incredibly special about Broadway is the community of Broadway shows and actors. Every time a show opens, all the other 40 houses will send a fax or an email of a congratulatory wish where the whole cast signs it. The night we opened we had 40 different pages taped all over the doors from the different shows, so there is a sense of community, which is very nice.

And the fact that it is Broadway, it is the epitome of our theatrical experience in this country. The stakes are higher on every level: tickets cost more, productions cost more, reviews carry more weight, expectations are much higher. It makes it much more electric and exciting.

Q: You’re one of the two veterans in the cast, alongside David Alan Grier. Do you try to mentor the younger actors?

A: I try to lead by example, I think you can make an impact by just how you present yourself. If somebody asks me questions we’ll have a conversation, if they want my advice I’d freely give it. I’ve been in the game for a long time, and if I see a place where I can drop a seed here and there, I’ll do so.
Next Sunday is the 92nd Academy Awards, where Hollywood will christen the “best” films, performances, and technical work of 2019. It seems that every year there is something wrong with the Oscars: the nominees are too white, the host is too controversial, or the actual announcement of Best Picture is wrong (you know what I’m talking about).

The annual outrage and disappointment is understandable, or rather, expected. There are hundreds of films that get made and released each year, and the Oscars can’t (and won’t) honor them all – it’s just impossible for one person to watch all the good films (and it’s a great thing that there are so many great movies being made right now). Maybe your favorite film of the year was snubbed for one reason or another, or the performance that touched you the most was left off the list, but there’s nothing we can do about that.

Some ask, “Why do the Oscars matter?” Well, the fact that we ask that question just feeds into its continued importance. The Oscars matter because their prestige carries weight in the film industry – actors who can now be billed as “Academy Award winner” have clout, and the writers, directors, and producers that go home with the statuette gain power to influence what gets made. The Oscars are still the cultural touchstone of movies in America and around the world, and will remain so for a while.

So without further ado, here are my picks for the major Oscar categories this year.

**Best Picture:**
- Ford v Ferrari
- The Irishman
- Jojo Rabbit
- Joker
- Little Women
- Marriage Story
- 1917
- Once Upon a Time in Hollywood
- Parasite

**Will Win:** 1917
**Could Win:** Parasite
**Should Win:** Parasite
**Should’ve been nominated:** The Farewell

**Lead Actor:**
- Antonio Banderas, Pain and Glory
- Leonardo DiCaprio, Once Upon a Time in Hollywood
- Adam Driver, Marriage Story
- Joaquin Phoenix, Joker
- Jonathan Pryce, The Two Popes

**Will Win:** Joaquin Phoenix, Joker
**Could Win:** Adam Driver, Marriage Story
**Should Win:** Adam Driver, Marriage Story
**Should’ve been nominated:** Adam Sandler, Uncut Gems
**Lead Actress:**
- Cynthia Erivo, *Harriet*
- Scarlett Johansson, *Marriage Story*
- Saoirse Ronan, *Little Women*
- Charlize Theron, *Bombshell*
- Renee Zellweger, *Judy*

Will Win: Renee Zellweger, *Judy*
Could Win: Charlize Theron, *Bombshell*
Should Win: Scarlett Johansson, *Marriage Story*
Should’ve been nominated: Alfre Woodard, *Clemency*

**Supporting Actor:**
- Tom Hanks, *A Beautiful Day in the Neighborhood*
- Anthony Hopkins, *The Two Popes*
- Al Pacino, *The Irishman*
- Joe Pesci, *The Irishman*
- Brad Pitt, *Once Upon a Time in Hollywood*

Will Win: Brad Pitt
Could Win: Tom Hanks
Should Win: Brad Pitt
Should’ve been nominated: Jamie Foxx, *Just Mercy*

**Supporting Actress:**
- Kathy Bates, *Richard Jewell*
- Laura Dern, *Marriage Story*
- Scarlett Johansson, *Jojo Rabbit*
- Florence Pugh, *Little Women*
- Margot Robbie, *Bombshell*

Will Win: Laura Dern, *Marriage Story*
Could Win: Scarlett Johansson, *Jojo Rabbit*
Should Win: Florence Pugh, *Little Women*
Should’ve been nominated: Zhao Shuzhen, *The Farewell*

**Director:**
- Martin Scorsese, *The Irishman*
- Todd Phillips, *Joker*
- Sam Mendes, 1917
- Quentin Tarantino, *Once Upon a Time in Hollywood*
- Bong Joon Ho, *Parasite*

Will Win: Sam Mendes, 1917
Could Win: Bong Joon Ho, *Parasite*
Should Win: Bong Joon Ho, *Parasite*
Should’ve been nominated: Greta Gerwig, *Little Women*

**Adapted Screenplay:**
- *The Irishman*, Steven Zaillian
- *Jojo Rabbit*, Taika Waititi
- *Joker*, Todd Phillips, Scott Silver
- *Little Women*, Greta Gerwig
- *The Two Popes*, Anthony McCarten

Will Win: *Jojo Rabbit*, Taika Waititi
Could Win: *Little Women*, Greta Gerwig
Should Win: *Jojo Rabbit*, Taika Waititi
Should’ve been nominated: *A Beautiful Day in the Neighborhood*, Micah Fitzerman-Blue & Noah Harpster

**Original Screenplay:**
- *Knives Out*, Rian Johnson
- *Marriage Story*, Noah Baumbach
- 1917, Sam Mendes and Krysty Wilson-Cairns
- *Once Upon a Time in Hollywood*, Quentin Tarantino
- *Parasite*, Bong Joon-ho, Jin Won Han

Will Win: *Parasite*, Bong Joon-ho, Jin Won Han
Could Win: *Marriage Story*, Noah Baumbach
Should Win: *Marriage Story*, Noah Baumbach
Should’ve been nominated: *Honey Boy*, Shia LaBeouf
Dutch YouTuber Nikkie de Jager, popularly known as NikkieTutorials, publicly posted a video titled “I’m Coming Out.” Her video quickly went viral globally, spreading from The Ellen Show in the U.S. to the news on Dutch television. Her coming out also elicited emails “from lawmakers that got inspired to change the world.” In just over 17 minutes, de Jager managed to inspire other “little Nikkies” finding their places in the world, along with parents supporting children who could relate to her story, and broadening the discussion of transgender rights.

Unfortunately, she did not come out completely on her own terms. After she had been blackmailed by someone who threatened to “‘leak’ [her] story to the press,” she decided to take control over her story by coming out herself “under my conditions.” In a follow-up video, de Jager urged the public to leave the rest to the officials. She claims that she doesn’t wish the experience of being blackmailed on anyone, and giving the blackmailer public exposure would cause her to stoop to the level of her perpetrator.

The follow-up also indirectly addresses the extended tensions between de Jager and the cosmetic brand Too Faced that dates back to 2016. Lisa Blandino, who is known by the name Dani California on Instagram and is the sister of Too Faced’s CEO, changed her Instagram bio to read “Transgender huh? That’s not the only thing she’s been LYING [sic] about.” She quickly changed her bio to read “Let’s be clear, I love trans people & dislike anyone who lies to hurt others! Period!” Although she has been cut off from the company, this incident further reinforces the problematic idea that transgender people are inauthentic or a threat. This kind of rhetoric can be found in more common comments about how transgender women are deceiving straight cisgender men, to the so-called trans panic defense.

Her coming out was, of course, an act of courage. However, in her case, her coming out was her taking agency over her own identity. In 2015, she skyrocketed to popularity in the beauty community with her video “The Power of Makeup.” In the video, she transforms half of her face with her usual style of makeup while leaving the other half natural. Through the process, she sends the message that she is the same regardless of how she chooses to express herself. She acknowledges that makeup may be used to fit societal expectations or to hide one’s insecurities, but she sees it as an art form that provides her agency over her self-expression. Her message now is an extension of her message then: she should have control over how she wants to write her story, just as anybody else should have for theirs.
Spoilers for *The Good Place* series finale to follow

I’m not usually someone who throws myself into TV shows, but *The Good Place* was something special, something I always looked forward to at the end of each week. Even during the ensemble’s lowest lows, there were always bright and funny moments that lifted my mood and brought a shared joy to the friends I watched with. The finale aired this past Thursday, and I don’t know what I was supposed to expect, but this … was not it.

The finality of the last episode really shocked me. While I could understand Michael Schur’s creative direction, it still left a bitter aftertaste, especially after his reliance on the cyclical nature of the plot for so long. What was meant to be a comedy show ended with me crying for more than half of the finale, which seemed like a kick when I was already down, considering I was already upset over having to say goodbye to the beloved show. There were definitely some funny moments, but it was mostly depressing to watch. Although the characters did enjoy their time in the real Good Place, it was unsatisfying that we never really got to see those happy moments. After all the characters had been through, the creators should have given us more time to celebrate, but they just breezed through and didn’t allow us to relish in the last few good memories Eleanor, Chidi, Tahani, Jason, Michael, and Janet were able to make together.

The pacing was surprisingly good, but I hated watching the progression of events because I didn’t want the characters to go their separate ways. A group of friends who balanced each other out perfectly quickly dissolved before my eyes, and it was heartbreaking. Four seasons of them fighting, making up, struggling together, and laughing together were over.

**What now?**

Now that it’s over, my friends and I are on a quest to find a new show that brings the same palette of emotions. The first thing that came to mind, after seeing many ads for the recently-premiered second season of the show, was *Miracle Workers*. The first season, released last year, follows the lives of angels who work at a corporation run by a slacking, unmotivated God as they attempt to convince him not to destroy Earth and create a restaurant in its stead.

*Miracle Workers* is slowly filling the void left by *The Good Place*, but it won’t for long, as the first season is only seven episodes long, and the second season follows a new set of characters. I don’t want to compare the two in every aspect, but I definitely enjoy that *Miracle Workers* similarly follows an eclectic cast of misfit characters that have to come together and ultimately save humanity from an unjust “higher power” type system. The premise of switching the characters but keeping the cast is interesting. And the new Dark Ages setting for season two will be exciting, I’m a bit sad that we won’t be able to get a deeper read of the first season’s characters. Craig, Eliza, Sanjay, and God seem like very rich and fleshed out characters, and yet we’ll only have the chance to meet them for the seven episodes, and Craig and Eliza will have only 14 days to save the earth from destruction. And coming from a show like *The Good Place*, with four seasons of intensive character growth for all six main characters, it’s hard not to grasp for more information about these angels and their God.

We’re three episodes in, so here’s to the next four satisfying our cravings.
Welcome to Maddy's Monthly Meme Madness, where we take a look at the Top 5 most-liked memes on the Facebook group, Carnegie Mellon Memes for Spicy Teens, posted in the past month.

10/10
“CIT PROTECTION”
Bethany Bauer

This is one of very few coronavirus memes that is actually hilarious. Is the hermit engineer trope overplayed? Perhaps. But it's nice to be able to laugh at a meme that unites us in this trying time.

9/10
“BEAR TRAPS”
Malique Bennett

The holiday season may have passed, but our beloved institution has tacked on another wintery annual tradition: raising our tuition. Still, we are lured in by prestige and promises of a high salary right after graduating. Let's hope that the trend of astronomical costs of higher-cost education dwindles.
In true Carnegie Mellon style, this high-quality meme brings out quantitative analysis to show the trajectory of our tuition. Although it has yet to cost an arm and a leg, the tuition cost is well on its way to costing a kidney.

"Only 90's kids remember" culture honors turn-of-the-century landmarks like Rugrats and butterfly clips. However, let us not forget the pinnacle of the Carnegie Mellon experience up until the summer of 2019: the beloved Beep Boop.

"FORBES AVE"
Shelly Kim

"The two together create an unbearable concoction that can deter students from seeking academic help. Let’s hope that the new decade welcomes more access to academic guidance."

CMU Professors: Please come to Office Hours for help
Also CMU Professors:

<table>
<thead>
<tr>
<th>Class</th>
<th>M/Wed 3:00-4:20</th>
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<tr>
<td>Office Hours</td>
<td>M/Wed 3:30-4:30 and by appointment</td>
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The story follows a young American girl named Clara and her mother Margaret on their trip around Italy in the 1950s. On the trip, Clara falls in love with an Italian man, and even though there is a language and cultural barrier, nothing can stop them from being together.

The students of the School of Music did a wonderful job bringing these characters to life. Both casts created unique atmospheres and relationships to tell the story. Each actor came into their own for their respective roles. It was evident from watching that each individual on stage had unique ideas surrounding their character and motivations. Each student had such a beautiful and powerful voice and presence that captured the individuality of the roles onstage and their own interpretations of said characters.

As an audience member, it was clear that the actors had worked closely together on how they would be interacting onstage. Despite a large portion of the cast being the same on all nights, there was a cohesion among the ensemble as a whole. I recognize that each show would be different due to the difference in cast members. Despite the change in people, it seemed that all members worked together to figure out their character dynamics with their respective cast members.

It was a pleasure getting to witness how dedicated and imaginative each of these students are in performing this type of show such. The intense, detailed work that had been done prior to the show was highlighted throughout all four performances. Each audience recognized the extreme effort taken to perform such an intense show, and lauded the cast highly with multiple standing ovations.

Overall, the show was an incredible success, with many elegant costumes and quite a few costume changes, an imaginative set design with suspended furniture, gorgeous singing, a fantastic instrumental score, and an ensemble with enormous love for performance, pouring their hearts into their work.
A couple days ago, in a room very close by, the staff of the Tartan compiled their rankings of the Star Wars movies...

1. **Empire Strikes Back**
   “This movie is so good that George Lucas barely messed with it in the special editions.”

2. **Rogue One**
   “They really channeled George R.R. Martin, and it worked!”

3. **A New Hope**
   “My dad didn’t allow me to watch Harry Potter because of the violence, but he was the first person to introduce me to this one.”

4. **Return of the Jedi**
   “EEEEEEEEEWWWwwwwwwww
    OOOOOOOOKKKKKSSSSSS!!”

5. **Revenge of the Sith**
   “Well, hello there…”

6. **The Last Jedi**
   “Holding for General Hux…”

7. **The Phantom Menace**
   “You were right, master. My optimism for the prequels was short.”

8. **The Force Awakens**
   “#DietNewHope”

9. **Rise of Skywalker**
   “Someone told me there was gonna be a lesbian kiss in the *Rise of Skywalker*, but then I realized it was just Kylo Ren and Rey.”

10. **Solo**
    “I heard it sucked, so I never watched it.”

11. **Attack of the Clones**
    “This movie is like sand.”
Perfect Weather
by Meg Adams

NOW THIS IS WHAT I CALL PERFECT WEATHER!

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https://artbymoga.com
Flowery Formation

made by Kian Nassre | Staffwriter

Across.
1. Day of the Dead flower
6. Hawaiian flower
11. ___ Baba
12. ___ Wan Kenobi
14. 2 days after yesterday
15. Matcha
16. “Nope”
17. Star of the zoo
21. Highway stop
25. Lenon’s lady
26. Vulpine flower
29. Fragrant flower
33. Opposite of none
34. Measures car speed
36. Coffee synonymous with going fast
37. Sea urchin
38. Pitch
39. Shock
40. Filled with anxiety

Down.
01. Not glossy
02. Nettle used for rope fiber
03. U.N. labor org.
04. Waistline
05. Unpretentious
06. Big time gamblers
07. Praise
08. North Pole resident
09. Slice
10. 1972 Bill Withers song
18. Lion zodiac
19. Glutton
20. Many years ____
22. Draw
23. Lowest lambda for visible light
24. Nitrogen, oxygen, and some other stuff
26. Plant life
27. Cross off a list
28. Peaceful protest
30. Fumes
31. Yuletide songs
32. Occur as a result
35. After JKL

Answers to crossword from Jan. 27

Across.
01. Cat
03. DPI
07. Ikea
10. Jackson
13. Ops
15. Dais
16. SMA
17. Calcium
19. Grot
20. Sarasota
21. Hubert
23. Secret Ballet
27. Vodka
28. Rod
29. OSA
30. Jury Trial
31. WTS
32. DLO
33. DRE
34. As New
37. GDR
38. Rate
40. Bran
42. Irish Pub
44. Cheese
45. Python

Down.
01. Cassio
02. Trauma
03. Django
04. Pam
05. Icosohedron
06. Roa
08. Koala
09. Epics
11. Kentucky
12. SBA
15. Dartboard
17. Cartridges
18. Ulmst
22. Bart
23. Souls
24. Adler
25. Low carb
26. Tasmanian
27. VJ Day
35. Erie
36. Wars
39. Tie
40. Butt
41. Rho
**CMU Art Lecture:**
Jaume Plensa 2/4/20
6:30 p.m. - 8 p.m.
Rangos 1

**Reception:**
CutePixel_Xx 2/7/20
6 p.m. - 9 p.m.
The Frame Gallery

**Unblurred: Penn Ave Arts Crawl**
2/7/20
6 p.m. - 10 p.m.

**Steel City Sapna**
2/8/20
5 p.m. - 9 p.m.
Carnegie Music Hall of Oakland

**Orchid and Tropical Bonsai Show: Out of This World**
Until 3/8/20
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**Chinese New Year Dinner w/ Dim Sum**
PGH 2/9/20
4:30 p.m. - 9:30 p.m.
DiAnoia’s Eatery

**When Folksongs Bring Freedom**
2/9/20
6 p.m. - 7:30 p.m.
City of Asylum

**King Princess**
2/8/20
7 p.m. - 11 p.m.
Stage AE

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6 p.m. - 7:30 p.m.
City of Asylum

**Pittsburgh Arts & Lectures: Tommy Orange**
2/10/20
7:30 p.m. - 9 p.m.
Carnegie Music Hall of Oakland

**Mother of Fishes**
2/15/20 - 2/16/20
CAPA Theater
YEAR OF THE RATS

photos courtesy of Jackie Chou
layout by Robyn Lee | Visual Editor