Change is in the air for the biomedical engineering department. Starting this fall, BE freshmen will be greeted with a new curriculum, one which focuses on human health from a systems perspective. Dr. Patrick Brackin, the Program Director for Engineering Design, stated this curriculum will help students “obtain a mastery in the design process.” The Rose Thorn talked with Dr. Brackin and Dr. Ray C. Dee, the interim head of the biological and biomedical department, to learn how a department changes a curriculum, what the 2017-18 BE freshmen can expect, and how engineering design could possibly shape future departments.

“Every year we have a meeting with our advisory board,” Dr. Brackin explained. “This board consists of alumni, industry, medical doctors, and graduate students. They give us feedback and that motivates us to change our curriculum once a year.” This faculty of that department spends a great deal of time discussing how to change the curriculum to meet industry needs as well as providing students with meaningful educational experience. For this particular change, though, the motivation came from a different source. Dr. Brackin explained, “The idea for engineering design came from Dr. James Connell (the President).” Dr. James Connell sought an “exciting, flexible” major that would integrate design process. Because the current BE curriculum only provides design opportunities to the incoming freshman year and once in the senior year, students are not as familiar with the design process. By applying it continuously, a student has a better chance of being a savvier asset to medical facilities and companies alike.

Specifically for incoming freshmen, the 2017-18 year features real-life problems to solve. The BE students will be creating solutions for Reach Services here in Terre Haute. One of the current needs is toys for disabled students. Reach Services has a lending library, which lends the toys out to parents, teachers, and therapists. However, the majority of the toys are intended for babies, which do not appeal to middle schoolers. It is the BE students’ job to help solve these problems. “We’ve already piloted that first studio,” Dr. Brackin added. “In the winter, we’re going to work with disabled adults to help them do their jobs.” A design competition is in place to help disabled adults perform their jobs beyond their physical limitations. Some might suggest these jobs could be automated; “but that’s not the point,” Dr. Dee iterated. “Every program around the Institute was represented” when these changes were discussed and planned. For example, mathematics professor Dr. Jeffrey Leader is developing a new calculus series which would still feature lectures, but would also incorporate labs to show students how to model. For existing BE students, though, the curriculum should change very little. While sophomores will be working with the BE faculty sooner in their degree program, Dr. Dee said, “They will progress through the curriculum as planned.”

It will be interesting to see how these changes will affect the incoming freshmen, the department, and the Institute as a whole. As Dr. Brackin said, “You have to be flexible if you want to help students.” Through the new curriculum, the engineering design program and BE department are showing that flexibility.

The Rose Thorn Meet Tuesdays 0259 5:15pm

Firetruck Pull
Rose’s Pike Raises Money for Special Olympics

Lauren Wiseman
News Editor

It is the season of charity events at Rose-Hulman, with the annual charity bowling on campus banding together to raise money for worthy causes. On April 22, Rose’s Pi Kappa Alpha Fraternity hosted their tenth annual Firetruck Pull to support Indiana’s Special Olympics.

The Firetruck Pull is a competition in which teams of eight to ten people try and pull a firetruck into the yard in the shortest amount of time. The event also featured food, live music, and fun for those participating. The event took place on Seventh Street, between Wabash Avenue and 7th Street.

The Clasher Girl adjacent parking lot served as a perfect location design. The event was hosted by the event, their dedications were acknowledged with plaques, given to the fraternity by representa-

"Everyone at Rose has absolutely been blessed with all of us have been reached in order to succeed at such a prestigious school."
Our Mission Statement:
We are Rose-Hulman’s independent student newspaper. We keep the Rose-Hulman community informed by providing an accurate and dependable source for news and information.

ISSUES of The Rose Thorn are published on the second through ninth Mondays of each academic quarter.
WEEKLY MEETINGS occur at 5:15 p.m. on the first through ninth Tuesdays of each academic quarter. All members of the Rose-Hulman community are welcome to attend.

SUBMISSION of articles, photographs, art, and letters to the editor is encouraged. Submission may be made by email to thorn@rose-hulman.edu or in person to Persopo room 031. The submission deadline is 5:00 p.m. Friday.

THE RIGHTS to accept submissions or changes made after the deadline, to edit submissions in so far as the original intent of the submission remains unaltered, and to reject submissions deemed inappropriate for print are reserved by the editors.

LETTERS TO THE EDITOR should be no longer than 600 words in length and must contain the writer’s (electronic) signature.

THE VIEWS EXPRESSED herein are those of their respective authors and with the exception of the Staff View do not necessarily represent the views of the staff or the Rose-Hulman community.

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Yellow Fever Vaccine Running Low in U.S.

Summer break is approaching fast. For those traveling internationally, it is advised to schedule the yellow fever vaccine soon, before the supply runs out.

It is possible to know the status of yellow fever and manufacturing complications. The U.S. is running out of yellow fever vaccine. However, the government has not yet notified the public that the vaccine will be gone by midsummer due to the resources to make enough vaccines to replenish the supply.

There is only one vaccine available against yellow fever in the U.S., YF-VAX, which is produced by the pharmaceutical company Sanofi Pasteur. How- ever, the company has supported the development of vaccine due to updating the manufacturing process. Although the vaccine had been replaced with YF-VAX, it should be available to last until 2018, which is the first case. The federal government has given an emergency approval of a vaccine named Stama- ple. This vaccine has similar safety profile and effectiveness as YF-VAX. This emergency approval was not seen since 2013 with the meningococcal B vaccine.

South Korea, Japan Condon US North Korean Bal- listic Test

Things have gotten a little heated between North Korea and South Korea. The issue is that mer- cury of people do not see North Korea as a real threat. Based on the South Korean ballistic missile launch last Saturday, North Korea's status as a threat is usually mucked with substantial evi- dence. The Ministry of Defense has reported, the missile just exploded up in North Korean territory.

According to President Trump, the launch was against the wishes of China. The South Kor- ean government and Japanese government have also condemned North Korea's ballistic missile.

Both claim the actions are provocative. The na- tions in Asia need to avoid the resolution set by the United Nations Security Council, as well as creating a threat to peace and security.

The foreign ministry of South Korea stated: “It demonstrates once again the regime's 'recklessness and lack of self-control that can lead to a direct and immediate threat to peace and security.'”

South Korea and Japan have expressed concern about the latest missile test. The United States has not publicly responded to the test. The region is concerned that the missile test is a threat to peace.

Red Wolf Critically Endangered

The phrase “lone wolf” may hold more weight than previously thought. However, it has nothing to do with a mysterious, cool wolf going alone. This time, it has all to do with the dwindling population of one particular breed of wolf.

The red wolf, once at the top of the wolf pyramid and the only Native American wolf, is now on the brink of extinction. In 1980, there were only 26 red wolves left. Today, there are fewer than 100 red wolves in the wild. This reduction in population has caused the red wolf to be placed on the endangered species list.

The red wolf is a subspecies of the gray wolf, which is also endangered. The red wolf is distinguished by its reddish-brown coat and smaller size than the gray wolf.

Red wolves are found primarily in the southeastern United States, from Texas to Virginia. They prefer forested areas, such as swamps, woodlands, and wetlands. Red wolves are diurnal animals and are active during the day. They are solitary animals and are known to have territorial behavior.

Red wolves are known to be social animals and often form packs. They are a keystone species in their ecosystem and play a crucial role in controlling the population of other species. However, red wolves are threatened by habitat loss, hunting, and interbreeding with gray wolves.

The red wolf is listed as a threatened species under the Endangered Species Act. The U.S. Fish and Wildlife Service has implemented a recovery plan to protect the red wolf and its habitat.

The recovery plan includes habitat conservation, predator control, and research. The red wolf is also a candidate for reclassification as an endangered species.

The red wolf is an important species for the ecosystem and its conservation is essential for the survival of other species. The red wolf is a symbol of the need for conservation and the importance of protecting biodiversity.
Entertainment 4

The Good: Burt’s Buzz

Thaddeus Hughes
Opinions Editor

You’ve most definitely seen Burt’s Bee products on the shelves everywhere. Meet the man who started it: “Burt” Shavitz. While you may expect this to be a story of the brand’s empire, it’s more of an exploration of Burt’s life, and the brand built on top of him.

Surprisingly, there’s very little “bee” about this film, but a great deal of human interest. For the first half, we explore a few days in Burt’s daily life, and how he copes with living in the mountains. You may think this is essentially nothing, having learned the art of beekeeping from monks after moving out of New York. This film visits many small details, unrelated to his beekeeping, offering a clearer portrait of Burt and drive home the point that this is a man with very little desire for fame and fortune.

There’s something unnerving about this, though. Despite claiming that “a good day is when moose shows up and you don’t have to go anywhere,” we see Burt shuffling about, greeting executives and making publicity stunts as far as Taiwan. Only later do we learn how he’s lived an almost nomadic life, free attitude Plan Burt’s Buzz explores the man behind the brand.

Photo courtesy of Burt’s Buzz Documentary

The Bad: Bee Movie

Evelyn Maquelin
Copy Editor

Let’s not kid ourselves. This movie is ugly in every way, shape, and form. From the canned synth jazz to the complete lack of textures, this movie has a 1.8 star rating on IMDB for a reason.

The movie itself is separate apart from its contemporaries as an academic experience. The film is full of excellent opportunities for the viewers to expand their worldviews. It forgets bravely ahead, exploring hot topics such as interspecies relationships, ethics of the food industry, and the identity crises of recent graduates. All of this, wrapped in a kid-friendly movie with stunning visuals, making the movie perfect for the average parent trying to brush sticky subjects with their children.

Now, as a college student, one may ask: Why does this movie matter to me? The movie gives so much to the collegiate viewer. If you’re in search of a new sexuality, bee-utility, a new perspective on consuming honey, and, of course, your ticket to a completely boodacious world of memes. Having context behind some of the most ironic memes of the age, such as the Bee Movie in seven seconds, an eclectic collection of gifts, is critical in today’s meme-based economy. Critics were not able to see this peak, causing unjust ratings that sent the movie tanking.

Photo courtesy of ForgetTheProtocol.com

The Ugly: Plan Bee

Jerry Scifeld is clearly not impressed with his rating.

Plan Bee is arguably one of the weirdest rip-offs ever produced.

Photo courtesy of Cracked

Though the attack on the oil industry and other consumption heavy enterprises is entirely valid, the execution is lacking in every regard. I don’t want to minimize anyone’s efforts, as it is clear someone worked very hard on this movie, but I’m left wanting more... everything. At only 42 minutes, Plan Bee and it’s shockingly low 1.8 star rating on IMDB feel like a first draft of a proof concept that got drawn out way too long. The voice actors, though energetic, lack polish, as do many of the lighting and visual effects. Finally, the storyline is a recycled amalgamation of every feel-good movie ever, likely keeping with their division between simplicity and modernity.

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That I believe should be introduced to the Rose-Halman required curriculum.
Crystal Meth Candy*

*Disclaimer: There are no drugs in this recipe

Lifestyle

Seun Ladipo

Lifestyle Editor

On April 14th, Kendrick Lamar released his fourth studio album, produced by his label TDE (Top Dawg Entertainment). After the unparalleled success, his previous album “To Pimp a Butterfly”, winner of the Grammy award for best rap album, the release for his next project was surrounded by extremely high expectations. This did not fail the artist as not only did he produce, he exceeded expectations and gave fans another satisfying piece of music for the ages.

In true Kendrick Lamar fashion, his music is engineered like an every progressing piece of cutting edge technology. Using techniques not seen in other artist’s music, creating a symphony every time he releases a project. Kendrick has given the listeners of his music insight into something that is the darkest places his life as he did on “Good Kid, M.A.A.D City” as well as giving people an empowering experience talking about the trials of a young African American living in this our society as he did on “To Pimp a Butterfly”. The impressive part about this is that he can tell a story and really creates an empathic connection with millions of people. All the while he releases albums that completely change his style, starting from scratch and letting the mood of the album decide the tone he decides to use in his music.

In reference to “DAMN.”, this album took a completely different change in reference to his previous music. In my opinion, this album had a very angry tone, revealing the side of Kendrick Lamar that does not care about what people think about him. Tracks such as “HUMBLE.” and DNA. really portray the raw angry tone straying away from the fancy afro-centric vibe that was so successful on “To Pimp a Butterfly”. I would compare this album to Kanye West’s Yeezus as they both portray an unfettered depiction of their respective artists. That being said this album did have another more mellow side with tracks such as ELSEMENT. and LOYALTY. with a more of a proud tone rather than the pissed off side to Kendrick.

In conclusion, after listening to this album I definitely recommend it to anyone looking for a refreshing taste of the Rap music that has truly is a one of a kind rapper reinventing himself constantly while staying true to his roots. This album is just another shade of this legend of our era that offers a commentary on his views and opinions on the society we all reside in. Having said all of this I must confess that I do not think that it is Kendrick’s Best album as “To Pimp a Butterfly” holds that place although that is not a shot at the quality of this album in any way, they are both masterpieces that will definitely go down in the history books of Rap and Hip-Hop greatness.

Crystal Meth Candy*

*Disclaimer: There are no drugs in this recipe

Seun Ladipo

Lifestyle Editor

Ingredients

- 1 cups water
- 4 cups granulated sugar
- 1 3/4 cup confectioners sugar

Instructions

1. Line a 15 cm x 10 cm x 5 cm pan with foil; butter the foil and set aside. In a large, medium heat proof pan, over medium high heat, stirring occasionally: Cover and cook for 3 minutes to dissolve sugar crystals.
2. Add sugar, cook on medium-high heat, without stirring, until a candy thermometer reads 300°F (hard-crack stage), about 25 minutes. Remove from the heat. Immediately pour onto prepared pan. Cool completely, about 45 minutes.
3. Break the candy into pieces using the edge of a metal mallet. Sprinkle both sides of candy with confectioners' sugar. Store in airtight container.

Yield: about 2 pounds.

Kung Fu Kenny preparing to kill the jams.

Photo from zdopeboys.com

For only one quarter of tuition you can own this dope box.

Photo from cityofhype.com

Not to sure what this is a picture of googled crystal meth candy and this popped up. Could be either for all I know.

Photo from 2dopeboys.com

For some perspective on how groundbreaking, this collaboration is The Jordan V metallic colorway released in 2016, can be bought for around $220 resale. There is a Supreme collaboration with Air Jordan with essentially the same colorway of shoe, with the only difference being a few instances of the Supreme logo on the shoe in a few distinct areas. This shoe can be purchased for around $90 resale. The impact of this logo on apparel is enormous and when paired with a company that sell such quality as Louis Vuitton this collaboration has the potential to be one of the most expensive and exclusive lines to be released.

Even if the prices of the pieces in this collaboration may be out of the reach for the average person it is always interesting to observe, the different ways that fashion is evolving reinventing itself.
Opinions

Carthage

Lauren Wiesman
News Editor

When the 2017 film ‘The Promise’ was released, it received over 6,000 critical ratings on Rotten Tomatoes—a high rating for a film about the Armenian genocide. Despite this, the film did not perform as well as some of its predecessors in garnering attention. The reason for this could be the fact that the film was made by a Turkish director, which may have led to some backlash from Turkish critics.

On the other hand, the Turkish government continues to ignore the issue, even though it is a fact that more than 1 million Armenians were killed during World War I. Turkey has denied Yüksektas allegations, even though the United Nations has upheld them.

Turkey has a lot of sway when it comes to U.S. foreign policy. For example, the country is an important security partner of the United States. A recent report by the American Enterprise Institute (AEI) suggests that Turkey is a crucial ally in the fight against ISIS. However, Turkey continues to support President Recep Tayyip Erdogan’s authoritarian regime, which undermines the democratic values that the United States stands for.

Even Kim Kardashian is more vocal about calling it a genocide than the U.S. government. Kim Kardashian is a well-known celebrity who has been involved in humanitarian work in countries affected by turmoil. She has publicly spoken out against the Armenian genocide, even though the U.S. government has failed to do so.

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Marc Smith
Editor-in-Chief

Donald Trump is claiming that the United States is still a powerful country. He has made this claim in the past, but the evidence suggests that this is not the case.

Trump laid out a plan with executive and legislative goals to be accomplished within his first 100 days of office. Trump wanted to accomplish these goals within his first 100 days of office. Trump has been accused of not implementing these goals within his first 100 days of office. Trump has been accused of not implementing these goals within his first 100 days of office. Trump has been accused of not implementing these goals within his first 100 days of office.

The main accomplishment of the Trump administration during the first 100 days was the approval of Neil Gorsuch as a member of the Supreme Court. However, this was easy to accomplish because it was an executive appointment that required a Republican senator.

Trump’s failure to achieve any of his legislative goals during his first 100 days in office is evidence of his lack of political acumen. The Trump administration failed to implement any of its legislative goals during the first 100 days of office. Trump has been accused of not implementing any of his legislative goals during the first 100 days of office. Trump has been accused of not implementing any of his legislative goals during the first 100 days of office.

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**RHIT Tennis**

Blake Powell

Sports Editor

Rose-Hulman continues their streak of greatness as they earned their third consecutive HCAC regular season championship dating back to 2008. These 17 championships include 10 straight outdoor titles and all seven indoor titles. The Cardinals landed a future star in Hassan Reddick who will be a steal. Overall, they did very well, especially HCAC opponents to 30 matches, which extended their win streak against HCAC opponents to 23 straight games. They ended up with three first round picks. Their third round pick, Montavious Adams, a defensive tackle is a huge pick up for the men’s squad.

**Standout Performers**

Connor Shipley - 3 singles, 1 run scored
Brian Thomas - 2 singles
Cody Sanderson- only allowed 3 earned runs in 7 innings on the mound

**RHT Softball**

Blake Powell

Sports Editor

The Engineers lost in the first two games against Manchester in a 7-2 game. The second game was started but had to be postponed due to darkness and is still trying to be planned to be finished due to the weather conditions. Manchester is 16-18 overall while being 13-8 in conference play. Rose-Hulman is 17-17 overall with a 15-6 conference record.

**RHT Track**

Blake Powell

Sports Editor

The Men's and Women's teams had an awesome weekend as the Men's team won conference again and the Women's team stands at third with a couple of events left. Their were a few events postponed due to weather which will be held on Wednesday. The Men's team scored 231.5 points while second place was Anderson at 177 points. The Women's team scored 127 points and hopes to move up the ranks after Wednesday as they are only 20 points out of first place.

After Wednesday’s events, the Engineers will extend their streak to 17 consecutive HCAC men’s track and field championships dating back to 2008. These 17 championships include six straight outdoor titles and all seven indoor championships since the event was founded in 2011.

**Intramural Standings**

**Ultimate Frisbee**

**Softball**

**Combined A**

**Combined B**

**Conferences**

**Baseball**

The Engineers Senior Day softball double header against Franklin is postponed until Monday, May 1st at 6pm due to the weather over the weekend. Franklin enters the weekend at 22-13-17 while Rose-Hulman stands at 11-23. There are three seniors that will be congratulate for their dedication, hard work and time spent at Rose-Hulman; Janel Lake, Ellissa Eckert and Morgan Dryer. Thank you to the seniors for their commitment over the years.

**Photo by Rose**

**Photo by espn.com**
If you’re the person I’m lowkey roasting this week, please don’t kill me. I have Ben and Jerry’s in my room if you need to be appeased. Thanks. Please send an email with questions, concerns, or content to the Thorn Flipside Editor <thorn-flipside@rose-hulman.edu>, or send it to the editor-in-chief (he’s still lonely) at <thorn@rose-hulman.edu>. Disclaimer: The Flipside is purely for fun! Any uncredited work above can be attributed to me, Emma Oswood.

Did your prof say something hilarious or just great out of context? We want to hear about it! Send your quotes with who said it to thorn-flipside@rose-hulman.edu.

Top 10 Most Haunted Places on Campus

1. The Cages in Moench Basement
2. The Corner in Back of Rotz lab
3. Percopo 4
4. The 20th Floor Library at 2:01 AM
5. Sports Equipment Rack
6. Coming Soon – The Union Expansion, Now Referred to as the Boneyard
7. Bottom of Speed Lake
8. Behind the White Chapel (Where Jack the Ripper totally didn’t kill anybody…)
9. Hallway Between Myers and Moench
10. Bathroom by the IM fields
11. The Bottom of Percopo Main Staircase
12. Skinner
13. Behind Deming
14. Under Myers Presentation Room
15. Hawthorn Park Bathrooms
16. The House In-between Circle K and Hatfield
17. Moench 3

Fact of the Week
It’s been raining a lot. Because of this, Rose will finally open up its underground tunnel system for uses other than bot fighting. Be prepared to show student I.D. at the entrances.

Another Bad Haiku

- In honor of National Space Day