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Student Newspaper

Spring 5-15-2017

Volume 52 - Issue 25 - Monday May 15, 2017

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Recommended Citation

Rose Thorn Staff, "Volume 52 - Issue 25 - Monday May 15, 2017" (2017). *The Rose Thorn Archive*. 1165.
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Checkered Flags

Rose's GPE Team in Top 25 Percent at Formula SAE

Thaddeus Hughes

Opinions Editor

Rose-Hulman Grand Prix Engineering (RoseGPE, or GPE) has gained a track record for consistently refining and improving their designs over the short span of six vehicles. This year, they faced many setbacks on their way to competing at Formula SAE Michigan, from a chassis completed late in the game to a plenum breaking last minute. The team has learned to think quickly on their feet, however, and earned themselves 30th out of 120 other collegiate teams from across the globe at the four-day event, their best performance at Michigan since 2012.

Arriving right at the gates at 8 a.m. on Wednesday, the team was ready to start taking on the competition. First things first: technical inspection. Dealt with a bad hand of being 112th of 120 teams to be queued for technical inspection, GPE did not have much time to make

“Many first-year teams consider passing tech to be a victory in itself.”

any last-minute modifications to fit their car to rigorous inspection once they make it into line. Following final installation of muffler and plenum, GPE was off to weigh and begin design presentation, where the team presented their results to industry professionals. With a do-not-pass-go attitude, the team made a beeline for technical inspection to get their car ready to compete in the dynamic events. Judges conducted a scathing inspection of the car:

every bolt was examined to make sure it was tight and “positively retained” (locknut, safety wire, or otherwise vibration resistant), ultrasound was used to verify thickness of chassis tubes, templates were used to make sure the cockpit is safe, and drivers were tested to make sure they could safely exit in under 5 seconds. Judges immediately spotted issue after issue, and the whole team was

immediately on the task of making modifications while judges continued inspecting.

After patching about 60 percent of the issues, the judges made their final calls, and the team was sent back. The team had to “re-tech” later after modifying their car. These modifications included needing to weld a bead around some cooling lines, adding spacers, and replacing bolts with longer ones to show two threads to prove thread engagement. After hours of making such fixes, the team headed back at 4:50, with inspection closing at 5. Happily, judges stayed after to allow the team to fully finish technical inspection at 5:30.

Although only the first of four parts were needed to run the car on the track, the pass felt like a victory. Many first-year teams consider passing tech to be a victory in itself.

Of course, there was more to come. It was found that there was a leak in the injector, and the team stayed till closing time for two more hours to iron out issues and get the car in its final form.

Friday came with a very busy but more optimistic schedule: design review, “tilt,” “sound,” “brakes,” “accel,” “skidpad,” and “autocross,” as the lingo goes. The team started with a casual conversation with their design judges from the previous day, to get feedback on their design and presentation. Much was to be learned from their years of industry experience. After extracting as much knowledge as they could, the team headed out to finish making their car legal to run in the dynamic events.

First up was the tilt test, where the team puts the car on a 60 degree incline (to simulate lateral acceleration) to check for fluids leaking. After passing with ease, the team headed off to the most dreaded portion of competition: noise, where teams must demonstrate their car to be within reasonable sound levels. GPE failed to pass on their first time, so had to make some modifications- packing the muffler with fiberglass in order to quiet the engine. It did not take much, and on the third time through, they passed, and moved forward to brakes, which went over relatively smoothly.

The team was now ready to compete in the dynamic events, where the car was driven to assess its performance. First up was the skid pad: a figure-eight course where the driver enters and goes around one loop twice, then around the other loop twice, then exits. The top two times for all four loops are averaged, and this becomes the time for the run. At the acceleration event, the team’s time was recorded to run a 75-meter stretch.

The team’s drivers for these event were relatively new and inexperienced, but put down times around 60th place.

The autocross course was a large track with many slaloms, bends, and tight corners, meant to test the all-around ability of the car. GPE placed 29th in the event, placing them later in the day for their endurance run the next day. Exhausted, the team enjoyed a first for the week: going home early.

“Competition started out very stressful; we weren’t ready and were one of the last teams to pass technical inspection. Given that, we had a smooth day of tests and ended up being ahead of the pack with a good autocross time and points on the board for every event,” said Jake Lindsey, suspension lead and driver for GPE. At Michigan last year, the team missed competing at the acceleration event because they did not pass brake testing in time.

After fueling for endurance, the team is off. The endurance track is a gruelling version of the autocross course which teams must make 23 laps on. Although track conditions were excellent, students push their designs to the limits, making completing a difficult task. Some failures are catastrophic, with fire or losing wheels, while some uneventful such as throwing a chain or electronics dying. Rose, however, pushed through, and put up a time of 61 seconds in their fastest lap. The track record for the day was 52 seconds by the University of Stuttgart in Germany.

“Rose GPE has helped me grow into a well rounded engineer in ways the classroom can’t. While the academics at Rose are important, the BIC and GPE in particular are most responsible for my successes,” said Chris Wood, the team’s aerodynamics lead, and a senior who will be working at Tesla after graduation.

“The team has been like having an internship during school: it taught me dedication, discipline, how to meet a deadline, how to work with people I both like and dislike and how to push myself. It has been a series of long hours, admitting when I’m wrong, figuring out how to fix mistakes, working with my hands and learning that everything I do has an impact on some other system,” said Kadie Jacobsen, senior brakes lead who will be working at Ford Performance after graduation. The team will also compete at Formula SAE Lincoln from June 21-24 this summer. The team took 7th out of 80 teams at this event last year.



Page 4: Carrey, meet Kaufman

Page 5: DIY Fashion

Page 6: Should the housing market affect were you work?

Page 7: RHIT wins commissioner’s cup

The Rose Thorn
Meet Tuesdays
0259 5:15pm

Countdown Begins

End of Year Events Abound for Rose-Hulman Students

Lauren Wiseman

News Editor

Rose-Hulman students are staring down one more week of classes before jumping headfirst into final examinations. That being said, though, there are a number of activities still to come to keep students engaged in the community for the last moments of the 2016-17 year.

On Monday, Dr. Allen Broughton will be giving his Sabbatical Travelogue during tenth hour. Dr. Broughton spent last year visiting research partners in Spain and Sweden. While there, he visited Rose’s global partner schools, Pontifica Comillas in Madrid, Spain, and KTH Royal Institute of Technology in Stockholm, Sweden. After which he toured five cities in China. In his talk, Dr. Broughton hopes to reflect on the schools and the cities

they reside in. Dr. Broughton has pictures prepared for the talk, and will answer any questions student or faculty have in terms of travelling to these schools.

Tuesday and Wednesday are devoted to music, with the Rose Symphony Orchestra performing Tuesday evening at 7:30 in the evening at Hatfield Hall. Tchaikovsky’s ‘Romeo and Juliet,’ Holst’s ‘Mars and Jupiter,’ and Dvorak’s ‘Symphony No. 9’ are among the selections for this free concert. For Wednesday, a concert of a different variety is on the docket. The students of ECE-481, Electronic Music Synthesis, will be presenting their digital music synthesis. For those looking to attend, they are advised to enter through the back entrance.

This coming Saturday, the 2017 Bloomington Season of Service begins at 9:30 a.m. Volunteers can suit-up to work inside

the gardens of WonderLab Museum of Science. Current students can mingle with alumni, like 2013 graduate Alyse Mueller who is hosting the event.

Round- ing out the final events of the 2016 -2017

school year is, of course, commencement. Seniors will gather in the SRC Fieldhouse to reflect on four years of learning as students and growth as people, receive their diplomas, and reenter the world as college graduates. Some may enter the world of industry, whereas others will go on to receive advanced degrees. Federal Judge Robert L. Wilkins, who received his chemical engineering degree from Rose in 1986, will give the commencement address.

The school year is coming to a close, and with it, the time to



WonderLab is giving volunteers a chance to find their green thumb.

Photo Courtesy of The Children’s Museum

say goodbye is on its heels. In spite of that, there are a handful of events to round out the end of the year.

Opportunities to learn about international schools, enjoy music from fellow students, and give back to the community abound for Rose students. Then, after tenth week, and after finals, the Rose-Hulman community will send off the seniors for the next chapter of their lives.

“The school year is coming to a close, and with it, the time to say goodbye is on its heels.”

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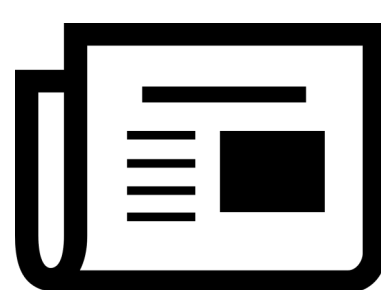
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THE ROSE THORN

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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 Percopo 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.

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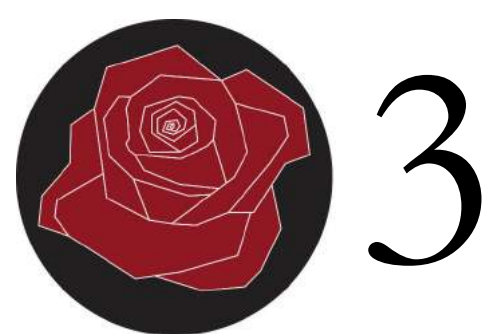
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News Briefs

Joseph Lee

Staff Writer

Star Wars Names Increasingly Popular

Very few franchises are as beloved as the Star Wars franchise. As a result, many couples on the nerdy side have probably tossed around the idea of naming a future child after characters in the franchise, like Luke or Leia. Some may even dare to name their child Chewbacca, Chewie for short.

However, with the recent continuation of the franchise with 'The Force Awakens,' more and more parents are naming their children Kylo. At the end of 2015, the name Kylo was in the 3,269th spot for common names. Since then, however, the name has climbed to the 901st spot.

What of the name Rey? Since the release of the movie, the name Rey has climbed up more than 11,000 spots. Naming children after fictional characters is nothing new, and with a franchise as powerful as Star Wars, it is no surprise there are a number of children running around with those names. The true surprise would come when parents begin naming their children JarJar...

Ebola Outbreak in Democratic Republic of the Congo

The Ebola outbreak from a few years back rattled the Internet, but the infamous virus is back on the news.

A new outbreak was declared in the Democratic Republic of the Congo. Cases of undiagnosed illness and deaths involving hemorrhagic symptoms began to appear. Samples from victims were collected, then tested, and the tests came back positive for Ebola.

So far, there have been three deaths and nine others are suspected of being infected with the virus. Peter Salama, the World Health Organization's executive director for emergencies, stated that an investigation team has been deployed. They are scheduled to arrive at the site in a few days.

Fortunately, the infection is from the Zaire strain, which was the most common one found in the previous outbreak. What makes this a fortunate fact comes as a result of a vaccine against that particular strain are in the late stages of development.

However, the health workers who treated the patients while not wearing any protective equipment are now at risk of contracting the disease.

Study Suggests Exercise May Slow Down Aging Process

As if people needed another reason to exercise: a new study suggests regular exercise may slow down the aging process.

Researchers from Brigham Young University in Utah found that people who regularly exercise at elevated levels tend to have significantly longer telomeres than inactive people do. With cell division, the telomeres are shortened every time. Therefore, the the longer the telomeres, the younger the person may be in respect to telomere length.

When the study mentions "elevated levels," the study refers to at least 30 minutes of cardiovascular exercise for five days a week for women. For men, the recommended amount of time is 40 minutes. While the precise reason for the connection is unknown for the time being, many thing it will provide enough incentive to prompt people to work out anyway.

Aspirin May be Bad for the Heart Longterm

An aspirin a day will not keep the doctor away. Recently, more and more people are aware of the idea that aspirin could be beneficial for the heart. However, researchers from Salt Lake City say otherwise.

A study involving more than 4,000 individuals in Utah seemed to indicate that aspirin could actually be detrimental to one's heart. For patients with an irregular heart rate, a condition known as atrial fibrillation, the drug may cause gastric and genitourinary bleeding.

Dr. Jared Bunch, director of Heart Rhythm Research, mentioned that the findings were important for several reasons. Many see aspirin as an all-purpose drug for all kinds of heart problems.

"Unfortunately for physicians as well as consumers, aspirin is readily available," Dr. Bunch said. "Most are labeled heart-healthy and have some self-promotion in that regard."

The researchers concluded that the regular use of aspirin is not advised unless otherwise stated by an individual's own physician.

Lauren Wiseman

News Editor

FACULTY GOODBYES

With the end of the year in sights, the time to say goodbye is upon the Rose-Hulman community. Seniors are leaving for jobs or graduate school, but there are a number of faculty members who are also leaving the Institute. For those are who are leaving for the next adventure, and for those the community was not ready to say goodbye to, this is for them.

Michelle Bond came to Rose four years ago to work as an intern in the Student Counseling Center. "I loved Rose so much that when I graduated from my master's program I took a position here!" she said. Bond is moving on to work at the University of Wisconsin-Madison in the University Health Services department. She will be working as a counselor, primarily for engineering students. During her time here at Rose, she said she has "loved working closely with students on the Safe Zone program and attending the drama club musicals." Bond had many positive things to say about Rose, priding the way the school is a good fit for students, even when the academics are grueling. "Getting to hear enthusiastic (and sometimes very technical!) descriptions of projects from students reminds me why we are all here."

Dr. Jeremy Chapman arrived at Rose in August 2012 and became an Assistant Professor of Civil Engineering and a Pre-Law Advisor. After this year, Dr. Chapman will be returning to American Structurepoint in Indianapolis as a senior traffic engineer. "I have enjoyed the challenge of working with highly intelligent colleagues and students, and trying to keep my students adequately challenged at a variety of levels from freshman through senior-level courses," he said. He cited Rose's community as being one of his favorite aspects of Rose. "Everyone really

"I feel like I learned more...in my two years here than I did as an undergraduate..."

does have a common goal of advancing a top-level education," he said, "and there's a genuine willingness to work across departments."

Professor of mathematics Dr. Christina Selby will be finishing up her fifth year at Rose-Hulman. However, her next chapter will take her back to Johns Hopkins University to work in the Applied Physics Laboratory. Dr. Selby's focus will be working on missile guidance and control projects ("using lots of math!" she added). When describing her favorite parts of Rose, she rated the relationships she has forged very highly. "I also enjoyed advising students, doing my best to use my experiences to help guide them."

Dr. Felicia Tabing had just received her PhD and was seeking a job. "My options were Rose,

or Alaska," she said, "so I chose Rose." She spent two years here teaching in the mathematics department, but will now be moving on to the University of Southern California as a lecturer. "I am pretty excited about this job." While Dr. Tabing could not put her finger on one specific aspect of Rose she loved the most, she did say, "I love that I get to teach students that have a genuine interest and enthusiasm in mathematics, and students here can also appreciate hard or interesting problems and the beauty of mathematics." She went on to say, "I feel like I

"While spring is often a time of new beginnings, for a university it is often a time of goodbyes."

learned more about math in my two years here than I did as an undergraduate, maybe even as a grad student."

Visiting professor of chemistry Dr. Sarah Wilson arrived at Rose in March of this year. She mentioned several aspects of Rose that she loved, like the faculty and staff: "friendly, helpful, and tirelessly dedicated to doing their best every day." Dr. Wilson also had a special place in her heart for her lecture students, who "asked marvelous questions" which showed they were really internalizing the material, and her lab students, who have "each made large strides in their scientific communication and chemistry laboratory skills."

Also departing Rose at the end of this year are Dr. Michelle Hoffman, professor of chemistry, and Dr. Grant Hoffman, a professor of entrepreneurship.

Some professors, though, left Rose and the world.

Dr. Elton Graves was a pillar of the Rose-Hulman community for well over thirty years. He directed the Fast Track Calculus program, and served as the chair for the Academic & Standing Committee. Dr. Graves was also a director of the American Mathematics Competition, in addition to being a regional and state MATHCOUNTS coordinator, proving his dedication to helping students succeed. He earned accolades from the

Princeton Review and American Society of Engineering Education's Math Division; and he received the institute's Dean's Outstanding Teacher Award.

In March, Rose-Hulman ran a profile on Dr. Graves, and he said, "The most satisfying and rewarding part of being a professor is seeing students' eyes light up when they understand the mathematics I am trying to teach." Dr. Graves was no stranger to changing his methodology in order to help students understand a concept. He left a legacy of learning and growing, and proof that he touched the lives of generations of students.

While spring is often the time of new beginnings, for a university it is often a time of goodbyes. Students and professors alike depart for their respective futures, and the pain of that parting is still strong. However, commencement and the end of a school year offer a time of reflection, to ponder the positive memories left behind by those who have crossed paths at Rose-Hulman.

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Man on The Moon

Lauren Wiseman

News Editor

Let's set the mood, shall we? *drops needle in record*

I actually saw Andy Kaufman on 'Saturday Night Live.' Not when it was "live," of course, but when I bought the first season on DVD. Initially, I fit in with a majority of the audience in that I didn't "get" his shtick. This guy only made me laugh because the routine was awkward. Why was this guy on 'Saturday Night Live'—a supposedly funny show? The Foreign Man thing made sense—I got that, and the Mighty Mouse bits were probably funnier if I grew up with Mighty Mouse. But if 'Man on the Moon' is to be believed, Kaufman didn't see himself as a comedian. He was merely an entertainer...the only question was who was his audience? The crowds of people in the theater seats, or himself.

The nineties were good to Jim Carrey. 'Ace Ventura: Pet Detective,' 'Dumb and Dumber,' 'Liar Liar,' and 'The Truman Show' all did relatively well and have endured in some form of infamy or another. Which is what makes 'Man on the Moon' a bit of a

“Kaufman didn't see himself as a comedian. He was merely an entertainer...”

disappointment, because it didn't do well at the box office. That being said, any accolades he earned for that movie were well-deserved. He became Andy Kaufman, and it was kind of eerie, to be honest. It was still very much a Jim Carrey performance, but the routines he had down pat. And it was engaging, if only because you had no idea



Jim Carrey plays legendary comic Andy Kaufman in "Man on the Moon."

Photo courtesy of YesMovies.to

what was happening. It solidified my belief that while Carrey is known for his comedic roles, it is a shame he did not get to do more in terms of drama, because they are riddled with humanity.

That is not to say they saddled the whole film on Carrey. Far from it, the supporting cast is just as good. Danny DeVito as Kaufman's agent, George Shapiro, is a voice of reason trying to make sense of the shenanigans. Paul Giamatti can do no wrong, and his performance as Kaufman's partner-in-crime Bob Zmuda is no exception. There is something imperceptibly magnetic about it. Zmuda helped create the jokes, he was a part of the performance just as much as Kaufman was. Believe it or not, Courtney Love's performance was enjoyable. As Lynne Margulies, she was supposedly the only one who "got" Andy for who he was.

The story was relatively straightforward, which it needed to be, given the subject

matter. They poke fun at historical movies being less than accurate at times, and that what the audience is about to see is an homage, it is a tribute. Andy tells the audience from the beginning: "I am Andy, and I would like to thank you for coming to my movie... All of the most important things in my life are changed around and mixed up for dramatic purposes. So I decided to cut out all of the baloney!"

I feel like a film like 'Man on the Moon' has to be viewed multiple times to be fully appreciated. And, for me at least, there is a distinct something about the movie that is magnetic and altogether confusing—much like Kaufman's brand of comedy.



Guardians of the Galaxy II

Derek Hufferd

Staff Writer

Marvel's morally questionable heroes are back to save the universe once again in Guardians of the Galaxy Volume 2. As the title suggests, this is the sequel to the original Guardians of the Galaxy, written and directed by James Gunn. I had the pleasure to see this film in theaters over the weekend, and am a big fan of the original, and I must say that James has done another fine job. The film was very memorable, the cast likable, and the soundtrack very well curated. But like any film, it has its fine features and its flaws, which I'm here to discuss. Oh and I believe it goes without saying, but this review could potentially spoil parts of the movie. You have been warned!

Guardians of the Galaxy Volume 2 follows our heroes as they deal with overcoming their greatest challenges yet: family drama. Peter Quill (Star-Lord) has some serious daddy issues when a man named Ego finds the gang and explains how he is Quill's old man. While the gang follows Quill to the edge of space as he tries to connect with his father, they all end up meeting a character and facing their own "family" drama.

Volume 2 takes a unique approach in shifting focus on what the film tries to accomplish. Where the original movie focuses on the plot and showing how those events bring these characters together, Volume 2 decides to focus on fleshing out each character and their unique arcs of growth and put the plot in the backseat. Every character has their own battle, and they all get their own sort of payoff by the end of the film. James Gunn has done a fantastic job avoiding the usual sequel pitfall of merely trying to reuse a formula with higher stakes by choosing instead to bring his characters to life through their own stories and experiences.

Another large component that the movie got right was the casting choices. Of course our returning characters are all played fantastically, the whole show is stolen by the performance of legendary actor Kurt Russell who plays the main antagonist of the film, Ego. His performance in the movie lends the story and relationship between Kurt and Chris Pratt's characters a

huge hand in credibility. It really helps lull the viewer into the movie, getting them invested on the characters and world created. I was quite drawn into the film, and by the end hardly even noticed that the movie's run time was over two hours long. Even the soundtrack pulled me into the movie, with action montages set to old pop music really setting a light-hearted and pleasant tone. The songs chosen for scenes were fun and not clichéd, creating some really enjoyable parts of the film that stayed with me even after I left the theater.

However no movie is without its flaws. The movie was a little too self-aware at times, cracking jokes about itself and the Marvel universe as a whole. While some may appreciate this kind of light hearted levity in a film, I found it to be a little disappointing. With such funny moments and characters, it felt a little lazy to include self-referential humor. In addition, the joke formula that is traditional to the Guardians movies felt a bit overused towards the end of the film. I am talking about when they have a serious or dramatic scene reaching its climax or con-

clusion, and then a snide comment or joke gets made to immediately lighten the mood/tone. I began expecting that exact kind of scenario any time a character had a serious moment or that drama was building. And while maybe expecting something to happen may not seem like a particular negative for a film, if you see something enough to expect it, you're approaching diminished returns on that format.

Overall I'd give the film 4.5/5 Rosies. While it may not be a masterpiece that will stand the test of time, it's a fun movie and quite enjoyable to watch. It gets its audience, and provides everything they want in an excellent manner. From the soundtrack to the cast, the script to the effects, and from the cameos to the characters, it gets a lot more right than it gets wrong. So, if you could spare the time and money, I would recommend you go see Guardians of the Galaxy Volume 2.



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DIY WARRIORS

Seun Ladipo
Lifestyle Editor

My high school years were very rough, although not for the reasons one would expect. I was not bullied, I did fine in school, and I was even playing a few sports. My problem was found just under my belt. I have always had a very thick pair of legs and I have payed the price all my life. In high school I ripped seven pairs of pants and only ever had two pairs of pants at the same time. Winters were rough and shopping was rougher. I alternated between a pair of blue and



Iron on patches are not only dope as hell but super cheap.

Photo Courtesy of /r/streetwear on Reddit

white chinos of which only fit my legs often having a length much too short or far too long. I had searched for a pair of jeans for years although I found nothing in my efforts throughout all of high school. Then, one day, the stars aligned I found a website for people with thick thighs such as I... although they were asking for 70+ dollars of which I did not have. In dismay I felt as I would never find a pair that would fit. The summer of 2016 would be the turning point to my 1st world dilemma. I was browsing Reddit and found that someone had tailored their own jeans with just a needle and some thread. In shock at this seeming simple solution, I rushed out to the nearest store acquired some jeans for as cheap as humanly possible and did the same. After the long process of teaching myself how to sew, I had a pair of jeans that fit perfectly. I also I felt safe for the



You want this sweater? Whelp too bad its one of a kind.

Photo Courtesy of /r/streetwear on Reddit

first time in years. No more carrying around a pair of shorts just in case my pants ripped. No more leaving school halfway through the day because I can't bear to walk around anymore, and no more unknowingly walking around with a foot long rip on the back of my pants to be pointed out as I walk by a group of people. Those days were over, and I haven't looked back since. I would soon learn as I continued this hobby that this level of customization can go much deeper than I have ever imagined. This hobby that evolved out of the necessity to solve a problem had revealed itself as one of our eras biggest contributions to the fashion industry.

In the ever evolving realm of fashion and design we are constantly undergoing changes and shifts in different ways evolving the methods in which we dress ourselves. This in combination with the internet has allowed people to glimpse into cultures around the world helping evolve the ways they dress and inspire others alike. This cycle of inspiration produced by technology and the urge to design has excited a rebirth in the fashion industry of people making their own clothes.

Factors such as, the exclusivity of high fashion outlets, the expense in keeping up with new trends, and even the sheer volume of clothes one may accumulate if they purchase different pieces as fast as they are produced, have all attributed to this renaissance of creativity in the fashion industry.

As someone who has taken part in this movement I find much more gratification in buying a very cheap pair of jeans and tailoring them to fit me perfectly rather than searching for a size that fits. Not only do they fit me better than any store bought pair of pants but, I saved money in the process. If I really want to I can even take this level of customization further by dyeing, bleaching, distressing, cropping, or cutting wherever I want and how much I want. From this two results can occur .I could not like the result and try again or feel accomplished and have a one of a kind piece of clothing.

This beauty of this customization is that it cannot only be done with one type



Rose student Alec Thompson wearing one of the pieces in his clothing line.

Photo Courtesy of walkthewalkbrand.com

of clothing but literally, whatever you please to create or customize. In our era of accessibility the means to do anything can be found on the internet through YouTube tutorials, fashion forums, and even (for the very brave) through trial and error.

For those interested, getting into this hobby the tools can be as cheap as a needle and some thread and as complex as a full sewing machine (some are as cheap as \$70). There are other tools for those that are even more serious such as a screen printer although, no tools are needed and this hobby is only as serious as you make it.

There are even some companies that have emerged from the rooms of college roommates or parents basements. Clothing companies such as Hypland have very humble beginnings as its founder Jordan Bentley started selling his merchandise out of boxes in his mother's house. This corporation grew to be one of the largest underground streetwear companies, having sold over a hundred different unique pieces to date in their online store. A Rose-Hulman student by the name of Alec Thompson has had the ambition to delve into this same business model with his brand "Walk the Walk". This to me is a true representation of our era displaying not only creativity and the ease of access to the world through technology, but the initiative and ambition be an entrepreneur.

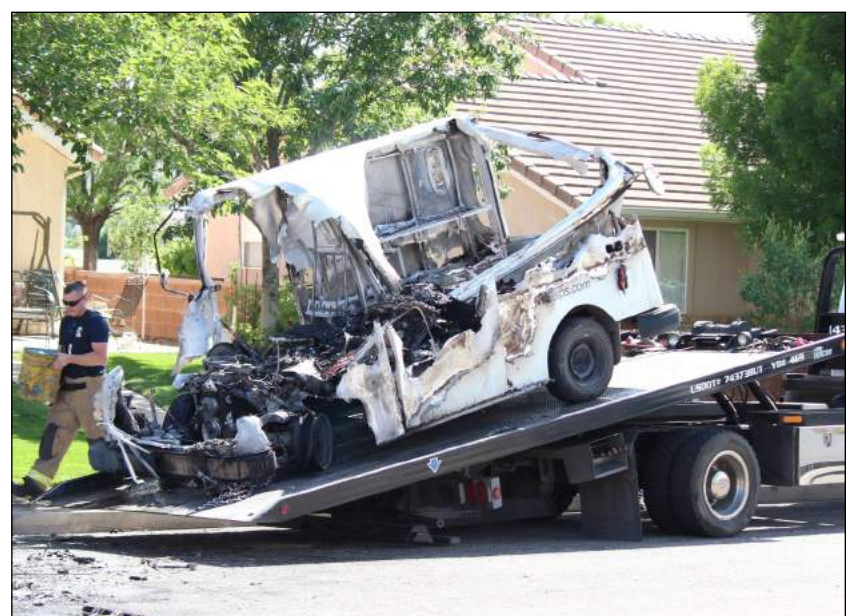
In conclusion, I feel that this taking of the hobby of altering or even creating one's own clothes can be a tedious process and is not for everyone although it can be a very rewarding. Whether it is the only option you have as you can't find a pair of jeans to fit you or you are just looking for a little something extra to add to the arsenal of dope fits in your wardrobe, this route can be a solution to many of the problems faced by people looking for clothes in our era and many to come.

What to do if you forgot Mothers Day You are the worst

Seun Ladipo
Lifestyle Editor

Whelp as it is the day after mothers day and I assume that if you are reading this you forgot yesterday existed. If that is true I have a few tips from your resident terrible son who has forgot such occasions many times.

1. Bring a card home after finals and tell her it was too expensive to mail.
2. Tell her the card was supposed to be a surprise and it got sent back because you used the wrong address.
3. Mail her flowers at work.
4. Fake a life threatening illness (DO NOT RECCOMEND)
5. If you truly are the worst nothing.
6. Drive/Fly/Swim home and surprise her (Could make things worse or better depending on how far you are from home).
7. Apologize (cop out).
8. Turn back time.
9. Buy her some dope wine (Get her drunk).
10. Not forget next year.



"You didn't get the card I sent you hmm that's weird" - the worst

Photo Courtesy of stgeorgeutah.com

Home, Home on the Cheap Why Pricing Should Impact Your Career Choice

Andrew Henderson

Staff Writer

As we near the end of this year, seniors are graduating and many students look toward their future job prospects. This year's seniors who have yet to accept a job offers and the juniors who will have to make the same decision next year have many things on their mind about what job to take. The job you take and dictate a great deal about your future: where you will live, what industries you will work in, and how much extra funds you have.

Most students research a great deal about the cities they can choose from for each job offer, looking into the city culture, distance from family and friends, infrastructure, environment, entertainment, and cost of living. However, many students overlook the importance of one part of the job offer equation: the housing market in the region. Most students will take the time to look at rental prices in the regions for housing, but not much farther. This glimpse into a small sector of the market is missing important information for their decision. As the crash in 2008 proved, the housing market is an important part of the U.S. economy, one that should not be ignored when evaluating where to work.

The housing market is a quite complicated and significant part of almost all Americans' lives. Paying for rent, mortgages, property taxes and insurances makes up 16% of the average American annual budget, the largest expenditure for most households, without even looking at utility and household operating costs. Therefore, the cost of housing in the cities you have to choose from with job offers should be quite the important part of making your decision. For example, the city of Seattle is a popular place to move to for Rose graduates, yet when you look at the Case-Shiller home price index, which tries to



The landscape around Portland, brought to you in part by UGB.

Photo via gscascadesothebysrealty.com

cities. Still, other housing price systems can be utilized when making decisions on job offers.

Another important aspect of housing outside of the actual housing cost is public policy on housing. Before choosing a region to work in, one should look into what public policy is at all levels of government. One important policy is how strong tenant protection laws are (for students who will be renting), which helps protect tenants

Many cities across the country have growth boundaries, although they are especially common among states on the west coast. Urban growth boundaries are at times controversial, as many believe they increase housing cost by decreasing the total possible housing supply and constricting housing growth.

However, research on the boundaries effect on housing prices aren't unanimous. Some studies stating the UGB has little effect on housing prices and others find that UGB supply restrictions cause large price increases. Many of the cities that have some of the largest housing cost in the country have UGB: Seattle, Washington, Portland, Oregon and Miami, Florida, making it seem likely UGB has a negative effect on housing prices. This doesn't mean that UGB is a net negative, as the boundary can help utility services decrease cost by better long term planning while also protecting the region surrounding the boundary. At times, this preserves very beautiful land in their state (Seattle, Portland, and Miami are also well known for how beautiful the city and surrounding region is). Public policy can be difficult to keep track of, and at times, its true effects are clouded so it is up to your own sensibilities to decide what effect policy will have on you.

Ultimately, the decision about where to work in the future is one that you must base on what you find most important in where you live. Whether you care about how much of your monthly check you get to keep, the surrounding community, safety, or the surrounding environment the most, you must make the decision on your job offer yourself. Outside of housing, a smart Rose graduate will research where their possible job offers exist as much as possible. There are many ways to get more information about regions, so take the time to look through as much as you can.

Even after choosing a region to live in, keep in mind how you are going to get around the area and how you will get to work each day. The distance from your place of work can be the most important part of choosing you housing. Most of important of all, find the places you love the most to live, as wage is not what decides everything in life. What does a large wage mean if you are not as happy in the environment you chose?

The housing market is an important part of the U.S. economy, one that should not be ignored when evaluating where to work.

index the comparable prices of housing in different regions; you will find Seattle has an index of 211.49 this month. This is higher than the average index for national home prices, which is 185.56 and far higher than the 136.60 index level for Chicago another popular location to work.

The rate of price increases is also important. This is measured in the Case-Shiller home price index by the monthly change in index. Chicago has a small monthly change (.19%) meaning they have pretty small growth in housing costs, yet Seattle has a monthly change of 1.91% (the highest monthly change Case-Shiller has), far higher than the average monthly change of .24% nationally. This means that if you are hoping to rent in Seattle you will see your monthly rent prices increase far more often than you will in most areas of the nation. A high monthly change is not always a bad thing: if you plan to buy a house, high monthly change displays that return on your investment, should you sell, is higher. One should keep in mind the housing cost and growth in housing cost for where you will move in, but Case-Shiller's index only has data on 20 American

from discrimination and gives tenants more time to pay for rent in the case of being overdue.

Additionally, the costs of property taxes and home insurance can surprise many new homeowners, as it usually isn't shown when buying a house and can account for a significant portion of the short and long term cost in many regions. New Jersey and Illinois have the two highest property tax rates in the United States (2.35% and 2.30%, respectively). The property tax rate does not only affect homeowners housing costs either: usually property taxes are passed to renters.

Another possible aspect of housing in regions is the existence of urban growth boundaries (UGB). Urban growth boundaries are a regional boundary created by local governments to try to control the growth of urban sprawls and control for the different issues that come with unplanned urban housing growth. The boundary states that the region inside should be used for urban development, while the region outside be preserved as nature or used as farmland. Many local governments also use the boundary to help zoning and help long term planning for utility development.

PRO?

It's your opinion.
Share it!

CON?

Submit via:
goo.gl/bqLbeA

Sports



RHIT Wins Commissioner's Cup

Blake Powell
Sports Editor

Commissioner's Cup Standings

- 1) Rose-Hulman-137.2
- 2) Hanover-130.2
- 3) Franklin-106.5

Men's All-Sport Trophy Standings

- 1) Rose-Hulman-73
- 2) Hanover-57.5
- 3) 51.5

Women's All-Sport Trophy Standings

- 1) Hanover-71.7
- 2) Rose-Hulman-64.3
- 3) Transylvania-58.5

Rose-Hulman captured its fourth straight HCAC Commissioner's Cup for its all-around athletic performance along with the league's Men's All-Sport Trophy for the ninth time in ten years due to consistent performances in nine men's sports sponsored by the college.

The Commissioner's Cup is awarded to the institution accumulating the most standing points in the HCAC's league championship events and is widely regarded as the most prestigious honor among the ten conference institutions. The Fightin' Engineers have won the Commissioner's

RHIT Tennis

Blake Powell
Sports Editor

The most historic season in Rose-Hulman men's tennis history came to an end with a 5-1 loss to No. 4 ranked Washington University on Friday in St. Louis.

The Fightin' Engineers finished 20-9 overall (tied for the most wins in a single season in Rose-Hulman history) and won their third consecutive HCAC Tournament championship this season. The team advanced to the NCAA DIII tournament for the third consecutive year and also won its first ever NCAA tournament match in a 5-4 count over Wheaton on Thursday.

Georges Adam and Brandon Benedict won 8-6 at No. 1 doubles. Adam and Benedict finished 2-0 in the NCAA tournament while beating the No. 1 ranked team, Wheaton, and the No. 4 ranked team, Washington University.

Congrats to the team and all of their accomplishments this season.



Diving into the DMs.

Photo by Rose-Hulman Athletics

Cup six of the last eleven years as a conference member.

The Men's All-Sport Trophy went to Rose-Hulman again this year because of its outstanding year of Men's sports. Every men's athletic team at Rose-Hulman finished in the top five in the conference this year; the football, soccer, tennis, track and field teams all won conference championships this year.

The women's squads set a school record by finishing second in the Women's All-Sport Trophy standings. The women's basketball team won the conference championship this season.

Congrats on a great year of sports this year for Rose-Hulman.



The rematch of the century.

Photo by neosportsinsiders.com



The dominate 4 x 100 meter relay team.

Photo by Rose-Hulman Athletics

RHIT Track

Blake Powell
Sports Editor

Rose-Hulman had thirteen top-five finishes and set one new school record at the Baldwin Wallace Harrison Dillard Twilight Meet on Friday.

The 4-x-100 meter relay team led the top five finishes with a school record performance. The team of Adam Wilson, Trey Sykes, Isaiah Smith and Josh Hennig finished the race with a record time of 42.05 seconds.

The Fightin' Engineers swept the triple jump championships to lead the individual performances. Gabi Razma and Clare Bruns also won their events for a total of three event wins at the meet.

Rose-Hulman is waiting to find out if they qualified for nationals; they will find out from the NCAA on May 20th. The championships are scheduled for May 25-27 at Geneva, Ohio.

RHIT SPORTS BOX SCORES

RHIT Baseball

Blake Powell
Sports Editor

Another great Rose-Hulman baseball season came to an end in a 3-1 loss to Mount St. Joseph in the HCAC Tournament on Friday afternoon at Earlham College. Rose-Hulman finished 18-24 overall but qualified for the HCAC tournament by going 16-11 in conference play. The team finished fourth in the HCAC. The Fightin' Engineers sent its graduating class of seven with its fourth postseason appearance.

BASEBALL	1	2	3	4	5	6	7	8	9	FINAL
ROSE-HULMAN	0	0	0	1	0	0	0	0	0	1
MSJ	0	0	1	0	0	1	0	1	X	3

Standout Performers

Ian Grant-allowed 6 hits, 5 strikeouts in 7 innings
Ryan Stachowski-two singles
Davis Robeson-one scored run
Drew Schnitz-one lone RBI

RHIT Softball

Blake Powell
Sports Editor

Rose-Hulman softball had two players on the honorable mention list; Morgan Dreyer and Jessica Will.

Senior, Morgan Dreyer, batted .342 with 38 hits on the season. She had four doubles, three home runs and was the starting catcher for the team. Morgan has been on the softball team for three years. In these three years she had a .274 batting average, nine doubles, and six home runs.

Junior, Jessica Will, started at short stop with a batting average of .342 on the season, nine doubles and one triple. For her Rose-Hulman career she has 111 hits, 29 doubles, 60 runs scored and 39 RBIs with a .320 batting average in her 102 contests. Jessica is tied for fourth in Rose-Hulman history for career doubles at 29.

The team finished the season 11-25 overall and highlighted the end of the season with a 5-5 finish on the team's annual Florida trip.

Congratulations on the team for their accomplishments and an extra congratulations to Jessica and Morgan on their honorable mentions in the Heartland Collegiate Athletic Conference.



Morgan and Jessica were named Honorable Mention for the HCAC.

Photo by Rose-Hulman Athletics

Intramural Standings

Ultimate Frisbee

Softball

Greek B

TEAM NAME	W	L	T	GP	STREAK	STANDING
Delta Sig	5	1	0	6	W1	1st
Pike Garnet	3	2	0	5	W2	3rd
Pike Gold	1	5	0	6	L2	5th
ATO B	1	4	0	5	L4	4th
Sigma Nu	4	2	0	6	L1	2nd

TEAM NAME	W	L	T	GP	STREAK	STANDING
ATO A	4	1	0	5	W4	2nd
Pike	1	4	0	5	L1	6th
Sigma Nu	3	2	0	5	W1	3rd
Phi Gamma Slam	0	5	0	5	L5	7th
Wood Elves	2	2	0	4	W1	5th
Mouserat	3	2	0	5	L1	3rd
Triangle A	5	1	0	6	W3	1st

Combined A

Residence A

TEAM NAME	W	L	T	GP	STREAK	STANDING
Disk Guys	2	4	0	6	W2	5th
Diskpicable D2	4	2	0	6	W2	3rd
BSBackhand	6	0	0	6	W6	1st
Floppy Disk	4	2	0	6	L1	3rd
FruitOfTheBloom	0	6	0	6	L6	8th
Deming 1	1	5	0	6	L1	7th
DiskIt4TheBiscuit	5	1	0	6	L1	2nd
404SpeedNotFound	2	4	0	6	L1	5th

TEAM NAME	W	L	T	GP	STREAK	STANDING
Ball is Life	2	3	0	5	W1	5th
Pass the Napkin	5	1	0	6	W2	2nd
Fast	4	1	0	5	W3	2nd
Brokebat Mountian	4	0	0	4	W4	1st
Inglorious Batters	3	3	0	6	W1	5th
Pike B	0	6	0	6	L5	10th
Pitch me baby 1 ...	1	3	0	4	L1	8th
Hitsquad	2	3	0	5	L1	4th
Deming Peachers	1	3	0	4	L1	8th
Deming Double P...	2	3	0	5	L1	5th

Combined B

The Graduation Issue

Top 10

Things to Wear under Graduation Robes

1. Navy
2. Boyfriend Jeans, "Borrowed" from Your "Boyfriend"
3. A Bikini, The Gender Neutral Apparel of the Future
4. Crocs, to Show the Type of Person You've Grown Up to Be
5. Swag, From All of the Events You Attended Over the Years
6. Elephant Costume, You Will Always Be a Part of Rose
7. Purdue Apparel, Because You Always Regretted Choosing Rose
8. A Birthday Suit, Hopefully the Stage Isn't Too High
9. A (Clean) Shirt, the Only One that Passed the Sniff Test
10. A Camelback, Filled with Boxed Wine
11. MIT Rejection Letter, Because You Know You Could've Done Better
12. The Stripper Outfit that Paid Your Way through College
13. Tears of Joy, You're Free

"The kids aren't eating enough salads!"

"Well, yeah. Spring Break's over, they don't need to look good anymore."

Heard 'Round Campus Cafeteria Edition

Shout out to the wickedly awesome cafeteria staff and their extreme patience in the face of all our bitching.

"Oops, I dropped a weenie. I'll just put that aside, maybe eat it later."

WACKY PROF QUOTES

"I love the op-amp lab...nothing like the smell of frying electronics."

-Dr. Berry

Maybe the smell... impacts brain cells.

"That behavior of children -I'm going to use that word, you are just big children..."

-Dr. Laxer

As you graduate and move into the future, remember these words as they are still applicable.

"I've forgot, does the country [Romania] still exist?"

-Dr. Wollowski

An example of the knowledge gained during your time at Rose.

"That's why we're here and not at a liberal arts school where they know words and stuff..."

-Dr. Tarrant

"Maybe after using it for 3-4 years, I might learn something about it..."

Dr. Laxer

This is the attitude many students have taken on their degrees.

"See this algorithm? Memorize it, and now we're moving on."

-Dr. Wollowski

This encompasses much of the material learned here at good ol' Rose.

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.

Fact of the Week

Rose-Hulman's latest acquisition in downtown Indy will eventually be turned into an elite nightclub. Invitations will be extended based on GPA, so start studying.



Photo Courtesy of Facebook

Decent Grad of the Week

He's not fully functional and Public Safety had to yell at him once. Skills include falling asleep in the wrong place and bottle flipping.

25/50

Shoutouts

To Those Who Never Showered

Thank you so much for giving my professors an excuse to hold outdoor classes. You reminded everyone that they took fresh air for granted, and for that we will always applaud you.

-A Nicely Tanned Student

To Those Who Always Had Advice to Give

Thank you for giving me a way to pass Rose. If I hadn't learned how to fold socks in exactly that way, I'd have probably dropped out by now from the stress.

-A Student with Many New Life Hacks

To Those Who Had All the Stories

Thank you for telling me the same stories about your Undergrad capers. If I hadn't heard them so many times, I don't think I'd be able to repeat them verbatim. When somebody comes around to write your biography, I'll have all the best anecdotes.

-A Student Who Loves to Listen

To Those Who Loved Loud Music

Thank you for sharing your music taste through the walls. I've learned about a lot of great new tunes that I can dream to. I hope I get another floor-mate like you next year too.

-A Student Who has Learned that Sleep is Overrated