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Student Newspaper

2-12-2018

Volume 53 - Issue 18 - Monday, February 12, 2018

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Rose Thorn Staff, "Volume 53 - Issue 18 - Monday, February 12, 2018" (2018). *The Rose Thorn Archive*. 1186.

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THE ROSE THORN

ROSE-HULMAN INSTITUTE OF TECHNOLOGY • THEROSETHORN.COM • MONDAY, FEBRUARY 12, 2018 • VOLUME 53 • ISSUE 18

Goodbye, Ron Reeves

Remembering Mr. Rose-Hulman and His Legacy

Lauren Wiseman

News Editor

Last Monday, the Rose-Hulman community said goodbye to Ronald Reeves. Dubbed "Mr. Rose-Hulman", Reeves was an alumnus, fraternity adviser for Alpha Tau Omega, and a former vice president, who will be dearly missed.

Born in 1936, Reeves grew up in Terre Haute and earned his degree from Rose-Hulman in electrical engineering in 1958. In 1997, he was awarded an honorary doctorate of engineering.

Reeves served the Rose-Hulman community for a number of years, particularly through his work with Alpha Tau Omega. Chuck Sigman, a Rose grad who now works in Washington, D.C., first met Reeves as a pledge. "He looked out for everybody," Sigman told the Tribune Star.



Reeves's legacy of giving can be seen everywhere on Rose-Hulman's campus.

"He's the most unselfish man I've ever known." Sigman recounted examples of of some of Reeves's giving nature: for a number of students, he cosigned their loans, and for one student in particular, Reeves supplied the student with the money (to be paid back interest-free as the student was able).

In addition to being an adviser for ATO, Reeves served as a development officer during President Sam Hulbert's tenure. Reeves helped secure funds to improve Rose's facilities. This included securing a grant to build the Olin Advanced learning Center, otherwise known as "New Olin". Reeves's ability to fundraise helped bring "unprecedented" financial report, writes Sue Loughlin of the Tribune Star. Loughlin reports that during Reeves's 30 years with Rose-Hulman, contributions amounted to more than \$165 million.

In 2016, a conference room in the Office of Institutional Advancement was dedicated to Reeves. Past and current ATO members, members who renamed their campus home in honor Reeves, came in to pay their respect to a man who had such a profound impact on the fraternity. Reeves was not just dedicated to Rose, however. Reeves was also fiercely loyal to his hometown of Terre Haute. For his extensive work with local philanthropic organizations, the Terre Haute Chamber of Commerce gave him the Terre Award, and the Hospice of the Wabash Valley gave him the Chapman S. Root Award.

Loughlin reports that Reeves was also "a longtime member of the Kiwanis Club of Greater Terre Haute, a director of the Crossroads of America Council of the Boy Scouts of America, and a board member of the Terre Haute Chamber of Commerce, Wabash Valley Community Foundation, Swope Art Museum, First Congregational Church, Wabash Valley Family Sports Center, Banks of the Wabash Festival, and Trees Inc."

Executive Director of the Wabash Valley Community Foundation, Beth Tevlin, told the Tribune Star: "He loved his community, too. He accomplished a lot because he knew so many people."

Reeves was laid to rest Saturday at Terre Haute's First Congregational Church in a private burial ceremony attended by family members.

Photo Courtesy of WTHI



Page 4: 'Not Giving a F**k', and other useful thoughts Page 5: How does streaming affect albums?

Page 6: RE: FEM fatale

Page 7: Check out the latest in Rose sports!

The Rose Thorn Meets Tuesdays O259 5:15pm

ROTC Screening See "Chain of Command"

AJ Henderson

pits of fighter jets and even the most rarely seen parts of

On Thin Ice? Senators Push for Policy Change

Dara Nafiu

lake. Public Safety would publish this data to the Rose-Hulman

Staff Writer

This Wednesday the first episode of the 8 part docuseries 'Chain of Command' will be screened from 6:00 pm to 8:00 pm in the Heritage room.

'Chain of Command' is a National Geographic documentary series made in partnership with the United States Department of Defense, to document the fight against violent extremism, and the men and women who devote their lives to the fight.

The documentary takes place in regions all across North America, Latin America, the Middle East, and Africa, detailing how the United States Armed Forces fights tyranny across the world.

This documentary has unprecedented access to the inner working of the United States Armed forces, with footage varying from frontline of Afghanistan, to cockthe pentagon.

The first episode that will be screened in the Heritage room this Wednesday is titled "By, With and Through". It details the efforts of US and Iraqi forces to regain control of eastern Mosul in Iraq from violent extremist and premiered on January 15, 2018.

The documentary series premiered on National Geographic in January of this year, and the series is narrated by Chris Evans, known for playing Captain America in Marvel's blockbusters.

Evans is also known for his advocacy for servicemen and servicewomen; the actor serves as a spokesman for Got Your Six, an organization devoted to helping veterans and their families.

All students are invited to this screening put on by the Army ROTC.



"Chain of Command' is an intimate portrait of the war against violent extremism and the men and women devoting their lives to it."

Photo Courtesy of National Geographic

Staff Writer

Terre Haute's temperamental Midwestern climate brought one particular annual debate to the forefront during an assembly of Student Government Association last Tuesday.

The past several weeks have seen Speed Lake frosted over, liquefied, or pureed into a slushy intermediate. As can be expected, students have attempted to make the most of the ice—whether it's a shortcut to the SRC or a makeshift ice-hockey rink.

Aware that fluctuating temperatures might result in inconsistent ice thickness, however, Public Safety recently enacted a community, along with their own assessment of the risk. The proposal that a student raised at the most recent SGA meeting is largely a reinstitution of this former policy.

I interviewed Percopo senator Tony Xi over the weekend to gain some insight into the pros and cons. Xi stressed that while some worry that this go-at-your-ownperil approach puts too much responsibility in the hands of the student, him or her will ultimately be making the choice to go on the lake based off of actual data.

He argued further that "the [warning] signs are not really helpful" (between the hockey games, wipeout challenges, and ice skating, they are essentially a

"...[It] is safer if Rose students know the risks outright rather than sneaking out onto the lake at night."

no-ice-is-safe-ice policy. This sweeping directive discourages Rose-Hulman students from stepping foot on the lake, regardless of how safe they think it is.

Ideally, this practical approach would be safer than the hands-off alternative. Prohibiting all contact with the lake during the winter months would theoretically eliminate lake-related incidents. On a more practical level, though, several are skeptical about how much safer the new policy actually is.

Under the old policy, an officer would collect depth data at various points across the moot point), and so it is safer if Rose students know the risks outright rather than sneaking out onto the lake at night.

Senators across campus, Xi included, are currently surveying their halls to get a feel for public sentiment on the current ice policy. While the senator was of course hesitant to reveal the results (as collection was still in progress), Xi did say that roughly 80 percent of the residents surveyed so far had "strong feelings" about the ice situation.

Classifieds

2

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February 12th - 16th

Saturday February 17th Lake Room 8pm

Magician Todd Migliacci



Call for Submissions Submit It!

All students, faculty, and staff are invited to submit their photographs, stories, paintings, poems, drawings, music, videos, sculpture, pottery, digital art, or any other manifestations of creativity. Submit at:

http://rose-ink.wixsite.com/home

Campus Photo of the Week Have a quality campus photo? Submit campus photos to thorn-biz@rose-hulman.edu to be featured in The Rose

Thorn each week.





Rose-Hulman's

Literary and Arts Magazine

THE ROSE THORN

ROSE-HULMAN INSTITUTE OF TECHNOLOGY, 5500 Wabash Ave, CM 5037, Terre Haute, IN 47803-3920 • Thorn@Rose-Hulman.edu

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.

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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@rosehulman.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.

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.

News



News Briefs

Evë Maquelin and Timothy Wynia

Staff Writers

Planes Still Crash

cow, killing all 71 passengers trouble. and crew. Though private lines suffering fatalities.

commercial flights are far and of the Soviet Union, Russian airaway the safest way to travel in the lines have lacked the proper gov-US. Of the 848 million passengers ernment oversight to ensure good flying in and out of the US, only safety records and prevent crashes. 444 fatalities were recorded in getting better.

703? Though it isn't entirely planes. clear, the plane started losing climbs and sharp drops. Evi- standards.

Flight 703, a Saratov Air- dence, however, points to melines flight, crashed near Mos- chanical failures the source of

As a regional Russian airline, planes crash fairly often, we Saratov Airlines doesn't hold their rarely hear of commercial air- equipment to the same standards as your typical European or Ameri-Barring public transportation, can airline. Ever since the collapse

In recent years, however, 2014, and the numbers just keep safety has improved tremendously as Russian airlines have So what happened on Flight begun importing Western air-

This tragedy will hopefully altitude a mere 6 minutes after serve as another reminder of takeoff, followed by a series of the importance of aviation

Let's Not Talk About Polish Death Camps

Holocaust Remembrance Day land. on January 27, Poland recently signed a law that seeks to crim- posed by the governing Law inalize mentioning the com- and Justice Party, which has

the crimes of the Holocaust. years in prison.

Historians generally agree telligent [than men]." that occupying Nazi forces are to blame for these camps and Polish Prime Minister sent the associated war crimes, but the bill to the constitutional tribulegislation has been widely nal for review and amendment, criticized for restricting free- but it is expected to remain undom of speech and academic changed. inquiry, and pandering to emergent ultra-far-right and

While the world celebrated nationalist movements in Po-

The legislation was proplicity of "the Polish nation" in previously elicited controversy when one of their leaders ar-Among the changes is the gued before the European Parcriminalization of the term liament that, "women must "Polish death camps", with earn less than men because punishments of up to three they are weaker, they are smaller, [and] they are less in-

After being passed, the

EVOLUTION OF BRACHYTHER

Curtis Humm

Entertainment Editor

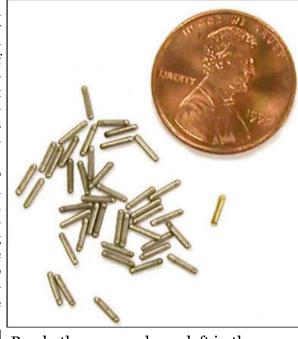
This past Wednesday, Dr. Gordon Guo, Assistant Professor of Clinical Radiation Oncology at Indiana University School of Medicine, gave a talk on the development of Brachytherapy



property of radiation in which the intensity is inversely proportional to the square of the distance, to maximize radiations effect on the cancerous tissue and minimize its effects on healthy tissue.

This is opposed to external radiation treatments, which have a much more difficult time focusing the radiation on the target and lead to higher rates of undesired radiation to the healthy tissues.

Dr. Guo discussed Brachytherapy seeds are left in the prostwo kinds of Brachytherapy used in the treat- tate for LDR. ment of Prostate Cancer, Low Dose Rate (also Blue Ridge Radiation Oncology known as permanent Brachytherapy) and High Dose Rate (also known as temporary Brachytherapy). As the name suggests, Low Dose Rate (LDR) Brachytherapy involves the use of needles to place small bits of Radioactive material (usually iodine-125 or palladium-103) known as seeds directly into the cancerous tissue. These seeds are relatively weak, and will only give off radiation for a matter of weeks or months before the radioactive material is consumed. The seeds are small enough to be left permanently implanted without discomfort.



hand involves using much

Journalism Isn't Always **Black and** White.

Write about what matters. Write for the News Section.



Dr. Guo is a professor of Clinical Radiation Oncology.

Indiana University

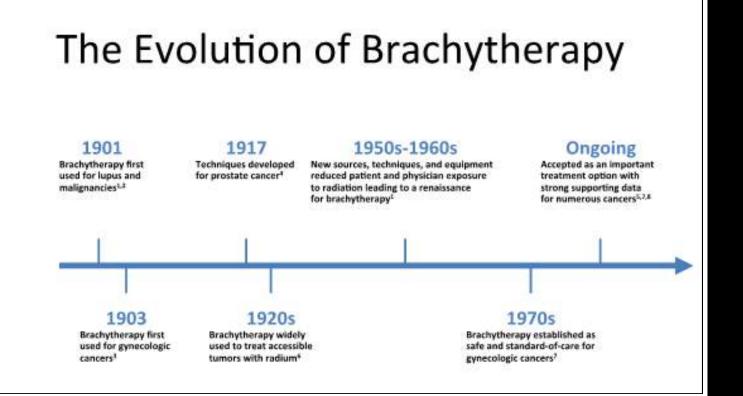
through the years, and more specifically, the different kinds of Brachytherapy that is performed today.

At its core, Brachytherapy is the treatment of cancer, especially prostate cancer, by implanting radioactive agents directly into the cancerous tissue. This allows the therapy to take advantage of the inverse square law, a

High Dose Rate (HDR) Brachytherapy on the other more powerful radioactive isotopes (iridium-192 or cesium-137) for a short amount of time (roughly twenty minutes) using a series of catheters, which can then be removed.

Both branches of Brachytherapy involve a significant amount of image processing and predictive models, as dozens of seeds or catheters are placed within the patient, and diagrams of the radiation need to be updated live during the process.

Dr. Guo highly encourages Rose students to look into the field, as Rose students' skills are strongly desired across the board.



Brachytherapy, the topic of Dr. Guo's Wednesday talk, is a vital method of treating various cancers, especially prostate cancer.

Courtesy of UCLA Radiation Oncology

The Rose Thorn Tuesdays, 0259 5:15pm

Entertainment

West vs. the Rest Where the Hell are All These **Superheroes Coming From?**

Jared Gibson

Staff Writer

This is a question I have been asking myself for a while. Only recently has my interest in answering it intensified. The easy answer to it is that people (Americans, in particular) love them. But this answer only brings up more questions. Why? Why is it that these kinds of movies are often times more popular than more realistic movies? What does this say about us, our culture, our society? Moreover, why is it that just Hollywood produces such a large amount of these films? Why don't other countries produce as many of these films, and what does that say about their society, their culture, and their people?

Take, for example, the Spanish film El Bola (2000), which tells a story of domestic abuse. It confronts the viewer with a very real problem in a lot of Hispanic

families and communities: Violence is still viewed as a good tool to correct unfavorable behavior. This idea is communicated quite clearly in the form of a physically abusive father and his son, Pablo (Juan Jose Ballesta). Even the most inattentive viewer would probably have negative things to say about the father's treatment of his son. However, the important thing I would like to point out is that this film contains very little, if not zero, CGI. There are no characters with superhuman abilities, no men in flying metal suits, no actionpacked battles on a floating city, no prominent businessmen whose mountains of money allow them to get their hands on kickass technology to supplement their nights of crime-fighting. None of that. Our protagonist in this film is Pablo, a powerless middle schooler who was born into an abusive family. He can't fling himself from skyscraper-toskyscraper in the city that never sleeps, he can't move objects with his mind, he can't even overpower his father. Yet, this is our hero, and in the end of the film, we are led to believe that he escapes the clutches of his abusive father. This is his victory.

El Bola was a relatively popular film, according to IMDB, it took home 22 awards and accrued 9 nominations. This would suggest that movies with similar content would be popular within the same demographic. However, I had never heard of this film until last week, nor had many, if not all, of the students in my first hour Spanish II class where we were all introduced to it. What's more, the instructor of the class informed us that most of his students respond negatively to films like these. Its stark contrast to CGI-saturated, superhero films and the students', most of them

> raised in the U.S., general beg the question: what is it the American people, our culture, that we prefer these superhero over films such as El Bola? Why do ence) have such fascination for these mov-What ies?

draws us to these unrealistic, superhero films that pulls us away from the realistic films in the style of El Bola?

One explanation could be that the American culture has developed an affinity for escapism. Maybe the reason we prefer action-packed Marvel-like films is because we don't like to be faced with the flaws of the world around us. Perhaps our preferred approach to problems is to ignore them completely and escape to another world where superhuman men and women solve all of our problems for us. If we take a look at other areas of American life, this theory of escapism can explain a lot. For instance, take a look at voter turnout. According to the Pew Research Center's website, we had a 55.7 % voter turnout for the 2016 Presidential Election, far behind many other countries in the recent years such as Belgium (87.2%), the United Kingdom (65.4%), and Canada (62.1%). Could escapism be a key factor in voter turnout? Perhaps not. Correlation does mean causation. In other words, the increase in superhero films over the recent years does not necessarily mean that it has some effect on voter turnout. Still, I believe that questions like "Where the hell are all these superheroes coming from?" are important questions to ask primarily because their answers may hold some profound truths about American culture.

"One explanation could be that the "usi," general response to it American culture has developed an affin- ^{tion:} about ity for escapism. Maybe the reason we and our society prefer action-packed Marvel-like films is these su movies because we don't like to be faced with we (the audithe flaws of the world around us."

The Subtle Art of Not Giving a F*ck What are You Willing to Struggle For?

Dalal Bima

Staff Writer

A neon orange cover with huge black font that says "The Subtle Art of not Giving a Fuck". Mark Manson, the author of the book, really knew how to entice people to pick up his book because this book was on every Bestseller corner of every bookstore and every ad on Goodreads. Although this book is categorized as selfhelp, it's an outlier to the nature of selfhelp books. It's more of a reality slap. Do not be fooled by the title of the book, because it does not teach you how to be careless about the things in your life as it implies, but rather teaches you that there

our lives, the true happiness, overidentifying with emotions, and constructing the right values. From personal stories to great lessons from Buddhism, Manson managed to keep the reader aware that after everything we go through in life we are the ones that choose the significance of our experiences and how we learn from them. As Manson writes in the beginning of the book, "This book will take your pain and turn it into a tool". This book will provide you with a counterintuitive approach to deal with your struggles and use them to maximize your happiness, which brings me to my favorite part in the book. Happiness. We all have different ideas of what happiness is, some

"[The book] tackled important subjects such as the significance of pain in our lives, the true happiness, overidentifying with emotions, and constructing the right values."

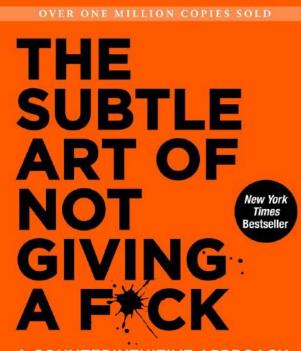
are things that deserve to be given a fuck about and others that do not.

This book was filled with common sense about life, and how we can optimize our time while we are still here. This may be repetitive to some, but personally I enjoyed the delivery method more than what was being said. Manson did a great job delivering harsh truths in a fun and humorous matter. It tackled important subjects such as the significance of pain in might think it is a certain level of success or achievement, or the number of digits in our bank accounts, but I think Manson has done a great job defining it. Manson writes, "Happiness is merely an illusion in our minds, a made-up destination that we obligate ourselves to pursue, our own psy-chological Atlantis." Which is a different ideology to what our culture often teaches us, using this ideology one is encouraged to think that happiness is something we

already have but we just need to learn how to not disturb it.

Although this book was a bit repetitive in some of the lessons, and the author would not stop talking about how he was a popular wanted man during his teens, it was an overall fun read.





A COUNTERINTUITIVE APPROACH TO LIVING A GOOD LIFE

MARK MANSON

Keeping it classy.

Photo courtesy of kobo.com

Lifestyle USA Is streaming killing music?

Psss .. (The answer is probably no but it has definitely changed it)

Seun Ladipo Lifestyle Editor

Spotify and Apple music have been two of the most revolutionary technological advancements in music production and consumption in quite some time. With services such as these anyone can have access to an wide array of the world's music in exchange for a few dollars a month. This allows those who produce such music to put their work into the hands of the millions of people with these services with literally the click of a button. Gone are the days of physical consumption on mediums such as CDs, or even mp3 players as we no longer even require to store the music we listen to on our electronic devices.

Distributing music is easier than ever and listening to music is even easier than that. These advancements in technology have been so ground breaking that they have made lasting effects on every aspect of music of which we must learn to live with.

A change I have seen in the

realm of era of music streaming that we all live in is the length of albums and even the time that an artist takes to develop and album. In the days of records in the 20th century, creating an album was Artform, with each song strategically placed in an order to tell the story of the vinyl. Accounting for the flip from the A side to the B side and ever important conclusion to the Album itself. All of these such factors contributed to the formation of albums and they slowly changed as music technology evolved. When CDs came we could listen to longer albums from start to finish and when services such as iTunes came along we could buy digital versions of these albums.

Although these changes altered the media itself, artists were still making their money based off how mow many times a song or album was purchased. The era of streaming music has changed this as artists are now making money based off of how long you listen to their music.

In the era of streaming no



Like it or not, these are three of the most influential music moguls of our time.



Chris Brown is and will always be a terrible person.

Photos Courtesy of Us Magazine

one really owns the music they listen to rather we are just essentially sharing a version of the song that is stored on some far away server of which we never directly interact with. Although this makes it easy to listen to music this convenience comes at a price.

For example, Since 2015 popular Chicago drill rapper Cheef Keef has released 21 albums all with around 15 full length songs on each. Streaming technology allows such actions to happen as an artist can release as much music as they want to without having to perfect their art or even find a recording label to produce their media.

Cases such as Keef's are now quite commonplace in the musical era we live in. The Migos have released the long awaited Culture II with a whopping 24 songs, Chris Brown Released Heartbreak on a full Moon with an amazing 45 Songs, and Future had released two albums at the same time with around 20 songs each. Furthermore, popular new Rap group BROCKHAMP-TON had released three albums this last year all by the name of SATURATION one, two, and

three with the pure intention of saturating the market in hopes that some of it would stick and make their name known.

With cases such as these it definitely has displayed a shift in the focus on music in recent years. Artists literally throwing half-baked albums with a few hits on each seems to be the new standard. There are still artists that cherish the days of telling a story through an album such as Musical icons like Kanye West or Kendrick Lamar, although we will have to wait and see how long they survive in this new market.

Having said this, this change does offer a new way for artists to make themselves known as everyone can have their music in the blink of an eye although the art of the refined album may be fading away.

Fashion at the Winter Olympics Let the games begin

Seun Ladipo Lifestyle Editor

On January 8th, the world witnessed had the opening ceremony marking the beginning of the winter Olympics in South Korea. There were some really interesting outfits that I wanted to take a second to point out for a multitude of reasons. western theme and tassels on the gloves. They really shined with the design of their Snowboarding attire.

Burton modeled their gear after the Nasa and astronauts alike with a metallic all white getup, with red accents and NASA -esque lettering throughout the details of the outfits themselves.



Truly an inspiration for the great nation of Nigeria

Photos Courtesy of billboard.com

We saw the debut for Nigeria at the winter Olympics. The all female team sported beautiful traditional Gele in their native colors of green and white.

While the American's wore their traditional Ralph Lauren outfits during the opening ceremony, turning heads with the Good luck to all of the nations competing. I hope you all enjoy these upcoming games as much as I know I will!



Look at those fresh gloves.

Photos Courtesy of abcnews.com



Check and mate, Spacex.

Photos Courtesy of abcnews.com

Opinions 6 **"Yeah, We're Kinda F****d"** Or, how I learned to start worrying and sit in a cleanroom

Timothy Wynia

Guest Writer

Imagine something that kills 23,000+ Americans and causes \$55 billion in economic losses a year. That is the U.S. Centers for Disease Control and Prevention's calculation of the annual damages caused by antibiotic resistant bacteria. Despite these numbers, there is comparatively little being done to address this danger.

While the private sector possesses an impressive ability to innovate when presented with a sufficiently enticing opportunity, dependence on the private sector alone can be dangerous when dealing with problems whose economic opportunity isn't proportional to the societal benefits that would come from solving it. Similarly, private companies often act recklessly when they are divorced from the broader ramifications of their actions. Both of these issues are coming into play with the rise of antibiotic resistant bacteria: private companies abuse antibiotics in the factory farming of livestock leading to the development of antibiotic resistant bacteria, but the direct economic benefits of developing new antibiotics are too low to encourage the scale of research needed to keep these "superbugs" in check. The result: agricultural conglomerates boost their profits, pharmaceutical companies shift research to more profitable areas, but tens to hundreds of thousands of people die from untreatable infections.

The problem begins when bacteria strains develop antibiotic resistance. This is largely an example of natural selection at work, with bacteria acquiring and spreading resistance, but human actions can influence the rate of natural adaptation. Doctors are supposed to limit the use of antibiotics and ensure patients complete their antibiotic regimens to reduce the chance of



A not so distant future?

Photo from World War Z, Paramount Pictures 2013

bacteria developing a resistance to key drugs. But misuse still happens.

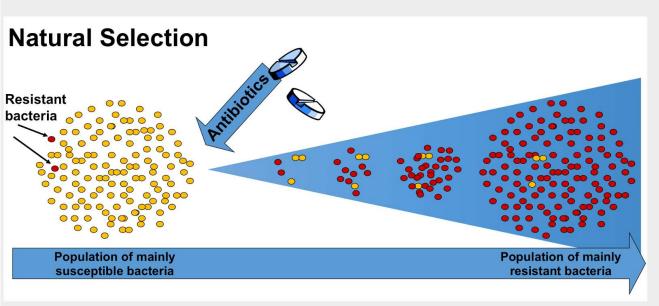
An even worse story takes place in the agricultural industry. The private think-tank Rand Corporation aptly summarizes the issue, "Farmers often use antibiotics to increase the growth rate of animals raised to produce dairy, egg and meat products for human consumption... each year, some 24.6 million pounds of antibiotics are used in healthy animals in the United States... An additional two million pounds are used to treat sick livestock... antibiotic use leads to increases in the frequency of resistant strains... [but] the antibiotic resistant lineages that become common in livestock... find their way into hospital[s] and the community." Resistant bacteria are and will continue to emerge, and we need to develop tools to fight them.

The major issue with development of

new antibiotics are weak financial incentives. Development costs for novel antibiotics average upwards of 10 years and several billion dollars, and top drugs are rarely used or are held in reserve to prevent the development of antibiotic resistance. These weak incentives cause antibiotics to be an afterthought for pharmaceutical companies, with the Brookings Institute observing that, "There has not been a new class of antibiotics discovered in almost three decades" and others estimating that less than 2% of compounds under development are antibiotics.

In the face of these factors, antibiotic-resistant bacteria have increased in frequency and strength. Infections are becoming increasingly commonplace, and doctors are finding that top antibiotics are working less and less often, with some "pan-resistant" infections emerging that are impervious to all known antibiotics. Bacteria and antibodies have been fighting for supremacy since the beginning of time and antibiotic resistance will always be an issue, but smart steps can reduce death, infections, and the associated economic costs. The government should pass regulations to prevent the misuse of antibiotics in agricultural and medical settings, and act on proposals to reduce drug development times and increase economic incentives. It isn't a glamorous issue, but a costs of inaction are devastating. Rand Corporation estimated in 2014 that "failing to tackle [antimicrobial resistance] will mean that the world population by 2050 will be between 11 million and 444 million lower than it would otherwise be ... [which] would also reduce the level of world Gross Domestic Product (GDP)... [resulting] in a cumulative loss that ranges between \$2.1 trillion and \$124.5 trillion." It is important to act now before it is too late.

"Antibiotic resistance will always be an issue, but smart steps can reduce death, infections, and the associated economic costs."



How it all works ...

Source: ReAct - Action on Antibiotic Resistance



Sports Track & Field

Blake Powell

Sports Editor

Rose-Hulman finished 2nd in both men's and women's competitions at the DePauw University Track and ence Indoor Track and Field Champi-Field Invitational on Saturday afternoon.

On the men's side, Wabash won with a score of 119, which was closely followed with Rose-Hulman's score of 115

The women's team trailed Kentucky Wesleyan in a close match of 113-107.5.

Eric Fiacable set a new school record in the weight throw, which ranked in the NCAA DIII top 25. Other men's winners included Nick Palmer in the pole vault and Josh Himes in the shot put.

Gabi Razma led the women's side with two event wins in the 400-meters and the triple jump. Other women's winners included Jaclyn Setina in the high jump and Lauren London in the 60meter hurdles.

Rose-Hulman swept honors in the distance medley relays.

Rose-Hulman will compete in the Heartland Collegiate Athletic Conferonships next Saturday at Anderson University.



I pick things up and throw them very far.

Photo By Rose-Hulman Athletics

RHIT Swimming

Blake Powell

Sports Editor

first after day-two of the HCAC championships medlet with school record performances in each while the women are second.

The men's team leads with 619.5 points, followed by Franklin at 308.5 points.

The women's team is in second with 390 points trailing Franklin with 465 points.

Rose-Hulman has swept all 13 men's championships in the first two days of the meet.

Cam Gill has led the parade with individual event wins in the 50-freestyle and a school record performance in the 100-backstroke.

Dutch Kipp with a school record in the 200- all team achievements.

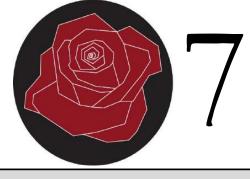
individual medley, William Kemp in the 400individual medley, Patrick King in the 100butterfly, Avery Krovetz in the 500-freestyle, Ben Stone in the 200freestyle and Peter Venema in three-meter diving. The most unique individual event was a Rose -Hulman tie for first and second in the 100breaststroke—Ethan Park and Nick Samra shared the HCAC title with times of 58.38 seconds in the event.

Rose-Hulman has also swept the first four relay events.

On the women's side, Elisa Weber swept Rose-Hulman men's swimming stands in the 200-individual medley and 400-individual event. Bethany Lefeber added an event victory with a school record time od 58.92 seconds in the 100-butterfly.

The women's squad added two more school records for conference runner-up performances late Saturday night by Michelle Reese in onemeter diving and the 800-freestyle relay team of Lauren Blake, Lefeber, Maria Kline, and Weber.

Congratulations on everyone with their in-Other individual winners have included dividual accomplishments along with the over-



RHIT SPORTS BOX SCORES

RHIT Men's Basketball

Blake Powell **Sports Editor**

team beat Earlham College, in- Athletic Hall of Fame. state rival, 88-82 on Saturday Cup.

John Mutchner, who was a Schueth, and Kyle Steckel. standout athlete at Earlham College and was a longtime head Hulman to 15-8 overall and 13-3 men's basketball coach and ath- in HCAC play, which keeps letic director at Rose Hulman— RHIT in 1st place in conference.

The Rose-Hulman men's Mutchner is in both school's

The Fightin' Engineers also afternoon in the John Mutchner honored five seniors Saturday afternoon as a part of Senior Every year this game is Day—Josh Richey, Aaron El-played in honor of legendary dridge, JT Whitaker, Stephen

The win improved Rose-

MEN'S BASKETBALL	1	2	FINAL
ROSE-HULMAN(16-8)	41	47	88
EARLHAM(6-17)	36	46	82

Standout Performers

Charlie Aimone-17 points, 4 rebounds, and 2 assists Nick McGrail-17 points and 6 rebounds

RHIT Women's Basketball

Blake Powell **Sports Editor**

clinched the HCAC women's final regular season game regular season championship in Alyzia Dilworth who has started a 52-40 win over Earlham Col- 50 games and appeared in 95 at lege on Saturday afternoon.

20-3 overall and 16-0 in HCAC and Lindsey Fagerberg who has play with its 18th straight victo- started all season and appeared ry along with their third straight in a total of 56 games to contrib-HCAC regular season champi- ute 195 points, 109 rebounds onship.

The Rose-Hulman team ored two senior starters in their Rose-Hulman with 685 points, Rose-Hulman improved to 313 rebounds and 164 assists and 33 assists.

The Fightin' Engineers hon-

WOMEN'S BASKETBALL	1	2	3	4	FINAL
ROSE-HULMAN(20-3)	14	5	16	17	52
EARLHAM(5-18)	9	16	7	8	40

Standout Performers

Alyzia Dilworth-11 points Lindsey Fagerberg-11 points Ally Bromenschenkel-12 points and 7 rebounds

RHIT Player of the Week Cam Gill is the RHIT Player



of the Week. At the HCAC conference championships Gill led the parade with the individual event wins in the 50-freestlye and a school record performance in the 100-backstroke. Congratulations to Gill with his career as this was his last HCAC conference championships after a long four year career at Rose-Hulman.

Photo by Rose-Hulman Ath-

Intramural Standings

Basketball

Photo By Rose-Hulman Athletics

	TEAM NAME	w	ι	т	GP	STREAK	STANDING
	Sigma Nu	4	0	0	4	W4	1st
O	Fiji– Sham Yao	4	0	0	4	W4	1st
	Triagle B	3	1	0	4	W3	3rd
•	Pike Garnet	3	2	0	5	W1	4th
	Cat Salads	2	2	0	4	W1	5th

Volleyball

TEAM NAME	w	L	т	GP	STREAK	STANDING
Fiji 3	4	0	0	4	W4	1st
Sigma Nu	5	0	0	5	W5	1st
Fiji Borkers	4	1	0	5	W4	3rd
Pike Garnet	3	1	0	4	L1	4th
Triangle B	3	2	0	5	L1	5th

	TEAM NAME	w	L	т	GP	STREAK	STANDING
	Ball Stars	5	0	0	5	W5	1st
ſ.	East 3	5	0	0	5	W5	1st
Ŷ	Cankle Breakers	3	1	0	4	W3	3rd
	Lakesquad	3	2	0	5	L2	4th
	Beasts of Weast	2	2	1	5	W2	5th

TEAM NAME	w	L	т	GP	STREAK	STANDING
Game Good	4	0	0	4	W4	1st
Hit Squad	4	1	0	5	W3	2nd
Beasts of Weast	4	1	0	5	W1	3rd
Net Effect	2	2	0	4	L2	4th
IM Frisbee	2	3	0	5	L1	5th

Hipside

-Dr. Wayne Tarrarnt

National 7 Day Forecast

National Plum	12	National Tortellini	13	National Ferris	14	National Wisconsin	15	National Almond	16	National Cabbage	17	National Battery	18
Pudding Day		Day		Wheel Day		Day		Day		Day- "My cab	bages!"	Day	
National Clea	n Out	Safer Intern	et Day	National Org	gan	National Gumdrop		National Do A		National Random		National Crab	
Your Comput	ter			Donor Day- (Give up	Day		Grouch a Fa	vor	Acts of Kind	ness	Stuffed Flou	nder
Day- There wil	ll be	Fat Tuesday		your heart to				Day		Day		Day	
cleaning statio	ns set			someone speci	al.	Singles Awa	reness						
up around Spe	ed					Day- Not sure	e if	National				National Dri	ink
Lake, so look o	ut for			Valentine's Day		you're single? The		Caregivers Day				Wine Day	
your chance to	dunk					government u	vill send						
your laptop bej	fore it's			National		you a memo le	etting	National Tar	tar				
too late.				Cream-Filled	1	you know.		Sauce Day					
				Chocolates D	Day								

WACKY PROF QUOTES

"The first rule of thumb in my world is to ignore things."	"I'm not drunk or English enough to do this."
- Dr. Wei Wu	-Dr. Richard House
"This is the kind of sophistication we get out of this!"	"Don't ever trust Butske."
Waves around children's toy.	-Dr. Wayne Tarrant

"How big is the methane plume? Bigger than your mom!" -Dr. Richard House

"I'm happy to report... my children have not eaten any tide pods yet!" - Dr. Leanne Holder

"You mix them all together, let 'em have a party until they all die." - Dr. Michael Mueller

Points at the solution on the board "This is a flaming pile of garbage. You can't solve problems with a flaming pile of garbage." -Dr. William Green

Did your prof say something hilarious or just great out of context? Did you hear something amusing on your jaunt about the fine halls of this institution? We want to hear about it! Send your quotes with who said it to: thorn-flipside@rose-hulman.edu or fill out this nifty google form: <u>https://goo.gl/forms/bB339sx6GHohggYt1</u>

Love Poems (Happy Valentine's Day)	Top 10 Ways to Kill Your Valentine			
	1. Kindness			
	2. Give them a bouquet of Tide Pods.			
You are the summer of my mind You can complete a perfect square	3. It's 10th Week - they're already dead.			

	-			-	
And still	make	jocks	stop	and s	stare

My heart goes boom

You can make a perfect sandwich If you want to Baby I won't force you But please don't lay on that mayonaisse Unless you want to

My stomach has room

You are so beautiful Make me a sandwich

-anonymous

Roses are red Violets are blue It's 10th week, my dude I have no time for you

"You remember one time I liked you?"

"No?"

"Good, 'cause never happened!"

"Oh."

-thejasminator

4. When they offer you their heart, take them up on it.

5. Softly, with your song.

6. St. Valentine's Day Massacre style.

7. Bees.

8. Live reenactment of the St. Valentine's Day beheading.

9. Serve them up a Molotov Cocktail

10.The clap.

11. A candlelit dinner gone wrong. Horribly, horribly wrong.

12. Take their breath away and don't give it back.

13.Sweep them off their feet. Mortal Kombat style.

14.Iocaine powder.

15.Make them fall head over heels in... to a canyon.

I'd name a Stop Sign after you.

To: From:

If anyone wants to suffer from a stupid head cold, let me know. I have a plethora of used tissues and unused sneezes to offer you. Please send an email with questions, concerns, or content to the Thorn Flipside Editor < thorn-flipside@rose-hulman.edu> Disclaimer: The Flipside is purely for fun! Any uncredited work above can be attributed to me, Emma Oswood.