[Henderson] listed the qualities that made the difference in his life: foundation, vision, purpose, and strategy.

Dr. Kid Stamm, a professor in the Computer Science and Software Engineering department, started off the talk by defining what exactly the term cyber means. Dr. Stamm has an extensive background in cybersecurity, having worked in cybersecurity at IBM and Securitas, and has also directed a project behind the popular web browser Firefox. According to Dr. Stamm, four areas of concern for cybersecurity are: the need for more secure software, better data security during transmission, a focus on the security of entire systems, and the need for updated and relevant laws.

Up next was Mr. Zach Ratliff, who works at the Electrical and Computer Engineering department. Mr. Ratliff has a background in systems resilience, specifically pertaining to cloud computing and virtualization. Working at the Chicago Mercantile Exchange, he has first-hand experience in considering cybersecurity issues in his job. Mr. Ratliff also works in Information Security at Enterprise Information Technology, helping to bring a background in dealing with cybersecurity from an international perspective. As an information security officer in the United States Air Force, Mr. Glaister was tasked with defending against cybersecurity threats, and has continued in that capacity at Rose-Hulman. However, he averred that higher education is a unique aspect of modern society, which is why it is so important to teach the next generation about cybersecurity.

Securing cyberspace is one of the 14 grand challenges for engineering.
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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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THE ROSE THORN
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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.

This 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.
of several other operations that the Pentagon has claimed
in the strike. Furthermore, this airstrike was only a part
Syrian opposition group is still a part of Al
strike was the Shaykh Sulayman Training Camp in Idlib,
(3x55)
which was in use for several years. It became a base for Al
(3x128)
missiles. Furthermore, this airstrike is the second major
(3x189)
air-strike against Al
(3x250)
before his presidency has ended. One of which is an air-
(3x311)
Airstrike Claims to Eliminate Over 100 Al-Qaeda Fighters
(3x408)
Mylan, came under fire due to the $600 or more prices for
(3x1150)
range announced that their product will be free to anyone
(3x205)
returned by February 14. The price for the alternative will be
(3x225)
produced to the market. It was recalled last fall due to an issue
(3x172)
EpiPens have been the front line of defense for people with severe food allergies, especially those who are allergic to peanuts, tree nuts, or shellfish, as these can trigger anaphylactic shock, a life-threatening reaction that requires immediate medical attention. EpiPens, which use medications that are stored in an aerosol spray, are designed to be used in the event of anaphylactic shock.
(3x155)
While President Barack Obama is no longer the Presi-
(3x1004)
For anyone with severe food allergies, such as those from seafood or peanuts, may all be aware of the dangers of the possibility of an anaphylactic shock. When it comes to such severe reactions, EpiPens have been the front line treatment options.
(3x13)
in spite of its life-saving qualities, the treatment op-
(3x52)
plan to make EpiPen, a Mylan product, come under fire due to the $600 or more prices for a life-saving product.
(3x67)
A recent CNN announced an alternative for $600 where it is priced.
(3x40)
It is not the first time the product has been intro-
(3x1247)
From seafood or peanuts, may all be aware of the dangers
(3x1235)
when it comes to such severe reactions, EpiPens have been the front line treatment options.
(3x147)
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Entertainment

Entertainment 4

I'M JUST HERE FOR THE GUNS
THE MAGNIFICENT SEVEN, A RETURN TO CLASSIC ACTION FILMS

Curtis Humm
Entertainment Editor

It's a tale as old as the west (era cinema, and western before that). A town is beset upon by wicked men and have not the means to defend themselves. A band of wandering misfits with a variety of histories, skill sets, and personalities take it upon themselves to defend and train the in- nont. Some live some die, but whatever happens, the remnants often dearly love the idea of the sunset, never ones to overstay their welcome. Beginning with Akira Kurosawa’s genre defining Shichinin no samurai (Seven Samurai) and its western remake, the original Magnificent Seven, the tale has been done in space, with gladiators, in Mexico, in a Space Parody, and In Medieval England. (Battle Beyond the Stars, Seven Magnificent Gladiators, ¡Three Amigos!, Galaxy Quest, Ironclad) Indeed, this is a tale as old as the west.

The plot is pretty much exactly what’s de- scribed above, but if you are looking for spe- cifics, allow me to paraphrase. There is a Min- ing baron who wants a town’s land, townsfolk are against the over the top stunts and sequences. While The Imitation Game went above and beyond in portraying the desperation and genius behind Turing’s work. Turing was no ordinary genius. As a gay man in mid-century Britain, he lived many lives. Juggling the secrecy of his work for the military as well as the taboo of his social life took a massive toll, which most retellings of his story gloss over. How key they were to under standing Turing’s life. The Imitation Game to waste the time away.

Though the film itself was stunning, the way it handled the grifter aspects of Turing’s story remained the true beauty of Tyldum’s

If you are looking for a simple excuse to watch a sepet of ruggedly handsome actors gunslings their way through an army of redshirts, this movie fits the bill.

Birth of The CSSE Major
A Review of The Imitation Game

Eshynia Maquilino
Staff Writer

You’ve seen him in Sherlock, you’ve seen him in the Hobbit (well, heard), and the as- sumption is that you may have even seen him in Penguins of Madagascar. With his floppy hair and distinctive features, Benedict Cumberbatch sweeps the screen once again in Morten Tyldum’s The Imitation Game, this time as a man near and dear to every CS ma jor’s heart, Alan Turing.

Effectively the Newton of Computer Sci ence, Turing’s role in the British WW2 victory was nothing short of instrumental, as decrypt- ing German communications proved the key to winning not just individual battles, but the war as a whole. This was no small feat however, even as the Germans encrypted their communi- cations with the Enigma machine, a mathe- matical masterpiece that seemed near impos- sible to crack. A story of love, loss, and war, The Imitation Game went above and beyond in portraying the desperation and genius behind Turing’s work.

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Lifestyle

5

The New Star Wars Cannon
What even matters anymore?

Andrew Henderson
Staff Writer

Star wars, since its inception with the original trilogy has always been more than just a movie saga. The Star Wars universe has existed as an entertainment phenomenon, one that spreads across multiple forms of media, including movies, TV shows, video games, books, and comics. Even since the first Star Wars film (A New Hope) was a surprise hit the original owner of the rights to Star Wars, George Lucas, had used other storytellers to create an ever-expanding universe to surround the movies he made. These stories have both told the history and future of the Star Wars universe, and for many avid star wars fans are the best part of the Star Wars history. All of these stories were known by the fans then, and now, it has been enjoyed by millions since the eighties. That was until April 25, 2015, when after the Wall Company bought out Lucasfilm and the rights to the Star Wars universe, the Lucasfilm story group declared that the older stories were no longer canon.

Disney killed the old Star Wars canon for many reasons. One of the biggest was that the cannon also contained stories of exactly what happened after the original trilogies and before. Most of the stories possible for Disney to tell in the Star Wars Universe had already been told as the cannon goes millions of years in the future and the past. The first 100 years especially after the fall of the empire had been told from almost every possible viewpoint. There are not that many stories left for Disney to tell from the old cannon, and Disney bought Lucasfilm to make money off new stories. They want to make new movies, TV shows, video games and books, and the old cannon would not allow Disney to create these new stories. Therefore, Disney killed the old cannon so a new one could take its place, similar to the reforms that happen in comic books so new stories can be told. In addition, the old cannon had a big problem; it had hundreds of authors with different views which made it hard to create each other in their writings. At times the old cannon, which Disney has renamed “Legends,” is more like myths and well legends (aptly named Disney, well done). The “Legends” cannon was hard to follow and contradict itself all the time and you never really know if the stories that were being told were true and not just misunderstanding of history by the storyteller. Disney ended the old cannon to fix these problems making more Star wars stories from coming to fruition.

The new canon that Disney has created is much smaller newer cannon than the old “Legends” cannon. Right now it is made up of every star wars film, the Star Wars: The Clone war television series and film, the stand-alone comic Star Wars: Darth Maul: Son of Dathomire, and most media composed in collaboration with Lucasfilm Story Group since April 25, 2015. This means that all of the books and videogames that were popular with many star wars fans, including the incredibly popular Star Wars: The Old Republic game are no longer cannon. Do not fret though, avid star wars fans as all of the “Legends” cannon is lost forever, Disney is still selling the “Legends” cannon, just not as officially cannon and some parts of the old extended universe is being reapplied to the new cannon that Disney is building. This could mean that as Disney’s plan for the future of Star Wars media is

Chris Brown Vs. Soulja Boy

Sean LaDue
Lifestyle Editor

From Biggie and Tupac to Meek Mill and Drake, feuds have always been an integral part of rap music. Back in the 90’s and 00’s violence was a huge problem in the rap industry with famous artists dying as a result of this opposition on a common basis. Question is why does beef does not pass on any other channel. Artists tweet about each other and some even go as far as making albums about tweets. Sometimes these tracks are just small songs that are making fun of the song, and other times they do touch on different projects and people just stop caring about such nonsense.

The most recent form of this is attributed to famous artists Chris Brown and Soulja Boy. They were apparently distanced from each other then “an explosion” known as the name of Karrueche Tran. This fight started on social media and eventually escalated to a whole new level. Apparently, the two have agreed to a boxing match in the next few months. Mike Tyson has agreed to train Chris Brown and Floyd Mayweather has agreed to train Soulja Boy for the upcoming fight. This has led to much speculation on the internets as many videos have been exchanged showing the two training and even other celebrities casting their own light on the subject.

Whether this is true or not all I know is that this is certainly providing some entertainment for a lot of us.

Anticipated Music of 2017
Music Coming Out in the Next Few Months

Jan 27 - Bell Biv Devoe - Tree Stripes
Jan 27 - Kehlani - SweetSexySavage
Jan 27 - Migos - CULTURE
Jan ?? - Iggy Azalea - Digital Distortion
Jan ?? - Major Lazer - Music is the weapon
Feb 3 - Big Sean - I decided
Feb 10 - Lupe Fiasco - DROGAS Light
Feb 10 - Michael Bolton - Songs of Cinema
Feb 14 - Marylin Manson - Say 10
March 3 - Ed Sheeran - ??
Mar 10 - Raekwon - The Wild

The Cover of CULTURE the Migos Newest Album

Photo courtesy of ysls.com

The most of all the beef Chris Brown ex-girlfriend Karrueche Tran

Photo courtesy of indiewire.com

Mar 24 - Steve Hacket - The Night Siren
Mar 31 - Inelida May - Life Love Fresh Blood
Mar 31 - Nelly Furtado - The Ride

The Wild
Opinions
2016: Not That Far

Andrew Henderson

2016 has been called by many to be the worst year in decades, if not the worst year ever. Because of major celebrity deaths, natural disasters, and political turmoil, many feel that this year would be better left forgotten. However, I believe this was a great year overall. While many have been incredibly alarming, they are not surprising. 2016 was 46 years away from the beginning of the eighties, when celebrity culture really began in America. Of course, so many celebrities from the eighties who are now at least in their 60’s are starting to pass away. Life expectancy is now at 78.4 and for women is 81.2. The baby boomer generation is starting to hit a higher age, and because they make up a bigger percentage of the population than past generations did we are going to see the amount of celebrities dying rise in the next couple of years; 2016 was the first year we noticed the beginning of this trend. It does not help that many of these celebrities were avid drug users during their time of greatest stardom. Some of the celebrities 2016 took its toll on. Could have seen it coming.

Photo via sheknows.com

"What really occurred was a major push to support the disenfranchised.”

Many of the deaths we saw this year were of celebrities with past or present drug abuse issues; it is not surprising that many of these people experienced some form of disfigurement or disfigurement. We have seen this trend before and it does not look as if we will be able to turn it around anytime soon. This year seemed to divide many of us, making many believe the other side had lost their mind and that the world was really falling apart.

However, when you look at the last year politically what really occurred was a major push to support the disenfranchised. If you look at political leaders that quickly grew in power over the last year, whether it was Donald Trump, Bernie Sanders, Marine Le Pen or Nigel Farage, they all had in common that they want to help the people they view as being forgotten gain some power in politics again. Major problems across the world that were ignored by those in power were finally met with some forms of push for change.

This year, no matter your personal views, was something that had to happen. We saw huge participation in politics by the young, the majority of whom believe those in power are not necessarily going to believe in. Not everyone got what they wanted, as that is impossible to do, but we now have voices being heard and people fighting for what they believed in. That is what democracy feeds off of: people using their voices to speak to those in power. Last year was not perfect, but it was better than the recent past. If anything, I hope next year we will see the voice of many more people.

Rethinking Cybersecurity

Marc Schmit
Editor-in-Chief

In light of the alleged Russian interference in the 2016 presidential election, the question of the United States’ cybersecurity policy needs to be addressed in full. It is no small thing to say that cybersecurity and the development of cyberwarfare stand to be a powerful force in countless facets of international relations, governance, and everyday life. That there is little public discourse on the subject of cybersecurity is reflective of our collective ignorance on the subject.

A significant cybersecurity issue is the role of the private sector and its relationship with the government and national security apparatus. In fact, the little discussed it alone attitude among the private sector and government has led to massive breaches of consumer and citizen data.

To combat the exponential growth of cybersecurity threats the government should set policy that promotes public-private sector collaboration, the sharing of best practices, and the realignment of incentives to discourage cybersecurity exaction.

The pooling of cybersecurity and threat intelligence can drastically improve our security to handle threats. Any first step in dealing with threats is to begin to talk with one another. Unfortunately, the private sector is inherently unsuited to doing so in a constructive manner.

Indeed, why should one company be sharing information with its competitors? This is where government has the capacity to be of greatest use, stepping in to facilitate the sharing of threat information. The Department of Homeland Security is already pursuing a variety of threat information sharing programs such as the Automated Indicator Sharing (AIS) program, which is free and open to all companies.

The benefits of programs like AIS is the commodification of cyber threat information, which allows companies to no longer be in the dark about ongoing threats. Furthermore, lowering the asymmetry of threat intelligence increases the overall security by ensuring an entire network of companies is secure against known threats. However, these programs are limited in their effectiveness if the private sector does not participate. It is up to both government and the private sector to continue to fund the cost of protection.

Along with sharing of current threat information, government sharing of best practices in cybersecurity would create a minimum standard of security. However, this also requires that companies’ cybersecurity disparities is particularly clear depending on whether they have suffered a catastrophic security breach. This highlights a pernicious issue in cybersecurity, the costs of unpreparedness are only apparent after it is too late.

As government efforts to share threat information, the sharing of best practices can work to benefit the entire private sector, as well as the public sector. Surveying and sharing best practices allows companies without huge resources to invest in the best cybersecurity measures without significantly hurting their bottom line. Rather than stigmatizing sharing best practices, it should be encouraged as investments in the most effective cybersecurity measures. Furthermore, the interaction between government and the private sector in developing and maintaining a cybersecurity posture is essential.

The goal of these policies should all center on making the costs of inaction prohibitive while reducing the barriers to investing in quality cybersecurity measures.

The proposal is a fraction of the overall efforts required to contend with growing cybersecurity issues. Not discussed here are the available threat and information sharing programs which are clearly an issue given the massive breach at the Office of Personnel Management, where 21.5 million individuals’ Social Security Numbers were stolen. However, solutions tried out in industry could prove to be extremely useful in securing government systems, so the two can be worked together.

Also not discussed is the issue of privacy in implementing many of the cybersecurity information sharing programs. Privacy is not to be easily dismissed and should be a part of the evolving discussion on cybersecurity. Indeed, one of the main criticisms of the Cybersecurity Information Sharing Act, which established the Department of Homeland Security programs, was the way it dealt with privacy.

To be sure, cybersecurity and privacy are not mutually exclusive and one can work to reinforce the other, but creative and effective policy making is required to achieve this. It is clear there is no silver bullet, and action is needed on these incredibly important issues.
There was something exciting coming from the Georgia Dome in Atlanta, Georgia yesterday as Atlanta beat Green Bay in a 44-21 game. With this win, Atlanta will be playing in the Super Bowl LI on February 5th at 6:30 PM in Houston, Texas.

Green Bay seemed to be the favorite to win as their quarterback Aaron Rodgers had been playing phenomenally well. He later left the game with a knee injury, which resulted in Matt Ryan being able to pull off the win as they make it back to the Super Bowl for the first time since 1996. Matt Ryan had yet another outstanding performance. Matt Ryan and the Atlanta Falcons have a chance to make history because the Atlanta Falcons have never won the Super Bowl.

Aside from the accomplishments of the Atlanta Falcons, a team Dan Quinn has accomplished milestones as he will have coached in three of the last four Super Bowls. Seattle Seahawks in 2013, 2014 and now Atlanta in 2016. A couple of family competitions went on in this game as Jake Matthews starts the offensive line for the Atlanta Falcons and Clay Matthews start line-backers for the Green Bay Packers. All the family had talked about how excited they were to see the match up and how grateful it is to have two family members play in the NFC Championship game. This family competition keeps a legacy going because Clay Matthews father, Clay Matthews Sr., was an amazing football player as he played at Georgia Tech while also winning two SEC wrestling titles along with the SEC fencing. He then followed in his four career with the 49ers. While Jake Matthews father, Bruce Matthews, is a Hall of Fame in the National Football League. Another family joke is between Aaron Rodgers and his brother Jordan Rodgers who is featured on the TV show “The Bachelorette” who proposed and will be getting married. So at least one of the Rodgers will be getting a ring this year. It is the best time in history to be an Atlanta Falcon fan as they strive to make franchise history.

**R HIT Swimming**

**R HIT Track**

Our Men’s and Women’s swimming and diving teams took on the Hoorland Collegiate Athletes Conference-Swimming Invitational at Franklin Community High School this previous Saturday while both teams brought home and place while winning 11 combined events.

Pierce Bartein lead the men’s team with two event wins in the 200-medley and the 100-butterfly. Other contributors include Cam Gill winning the 200-butterfly and Evan Mead winning the 1650-medley. The men’s 400-meter relay also won with the team of Bartine, Gill, Nate Weiner, and Tyler Sartoriuse.

On the women’s side, Ellie Heng lead the way with two wins in the 50-fly and the 100-butterfly. Other contributors include Cam Gill winning the 200-butterfly and Evan Mead winning the 1650-medley. The men’s 400-meter relay also won with the team of Bartine, Gill, Nate Weiner, and Tyler Sartoriuse.

The women’s team was lead by Jaclyn Setina winning the 50-fly and the 100-butterfly. Other notable winners included Allison Asher in the 60-meter and Gabi Raz in the 200-meter medley relay.

The Engineers took 1st place in the conference with their 9-0 record in the HCAC while being 14-3 overall. The team got to celebrate their Breast Cancer Awareness game by winning their home game match up against Transylvania in their biggest shoot out of the year by a combined total of 141 points scored. Congratulations to these women and keep up the good work.

**R HIT Men’s Basketball**

Our men’s team is still trying to find their way to get over the hump as they take a short loss to Transylvania in a shoot out of 103-95. The men fall to 5-3 in conference play as they look forward to the rest of their season. Good luck to these men as they keep going out and battling through every game and congratulations to freshman John Czarnecki, for leading the team in points with a career high of 23 points.

**R HIT Women’s Basketball**

The women’s team is continuously dominating the court as they’ve taken 1st place in the conference with their 9-1 record in the HCAC while being 14-3 overall. The team got to celebrate their Breast Cancer Awareness game by winning their home game match up against Transylvania in their biggest shoot out of the year by a combined total of 141 points scored. Congratulations to these women and keep up the good work.
Top 10 Greatest Floors
1. Percopo 4
2. BSB basement (RIP)
3. Floor 58 of Trump Tower
4. Sublevel 84 of Area 51
5. Airport carpet
6. Bottom of the Mariana Trench (Sea Floor, man)
7. Vintage Parquet Flooring
8. Linoleum
9. The remains of the Berlin Wall
10. Chucky Cheese’s Ball pit floor
11. Seventh Level of Hell (AKA the frozen wasteland of Indiana)

WACKY PROF QUOTES
“Your book makes a really good point about how other books are wrong when they use [this terminology], but since I call it the same thing, we’re going to skip that.”
-Dr. Syed

“Fight the power!”
-Dr. Laxer

“Maybe I need a brain transplant from a twenty-year-old...”
-Dr. Simoni

“I’ll be about as useful as the brain you’ve got. Be careful, some have premature TV brain rot.”
-Dr. Syed

“Give me a D!... Give me an O!... Give me an N!... Give me an E! What’s that spell?”
-Dr. Simoni

“Graduation.”
-Student

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

Lauren Santichen here with the weekly Flipside! This week is nominations for the editor positions on the Thorn! Next week is elections, so you will only have me for another week or so guys! Let’s finish off strong! Anyway, if you have any comments or questions, feel free to send an email To: Thorn Flipside. I’m always looking for some new material, especially comic ideas and wacky prof quotes. I’m in need of some since the professors have wised up to who I am and what I do. See you later!

Fact of the Week
The IKEA Store on “Calle Me Falta un Tornillo” (“I’ve Got a Screw Loose Street”) in Valladolid, Spain, is hard to find because people keep stealing the street signs.