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THE ROSE THORN

ROSE-HULMAN INSTITUTE OF TECHNOLOGY TERRE HAUTE, INDIANA
FRIDAY, NOVEMBER 6, 2009 ROSE-HULMAN.EDU/THORN/ VOLUME 45, ISSUE 8

News Briefs By Alex Mullans

Stimulus encourages school reforms

As part of the stimulus package, a small part (\$4 billion) of the \$110 billion allocated to education was set aside for a program known as the "Race to the Top" education grant. Despite the relatively low dollar amount of the grant, many states have been reforming laws to meet the grant's standards; these standards include linking educators' pay to student test scores, raising the number of charter schools allowed, adopting internationally accredited academic standards, and turning around low-performing schools. 8 states have already begun altering their laws to fit these goals. Some have speculated that the grant has fueled a competition of sorts among states hoping to be "the winners."

Clinton continues calls for Mideast peace

U.S. Secretary of State Hillary Clinton raised Arab eyebrows on Monday when she called Israeli Prime Minister Benjamin Netanyahu's plan for restricting settlement buildup in the West Bank "unprecedented." On Tuesday, she changed these remarks after many in the Arab community objected; she then reiterated that President Obama's goal is a freeze, not a restriction, of settlements. To smooth the waters, Clinton altered her trip itinerary to speak with Egyptian President Hosni Mubarak; Mubarak is viewed as someone who can get along with both Israel and the Arab nations. President Obama and Secretary Clinton are both hopeful that talks can resume between Israel and the Palestinian Authority.

There's a lawsuit for that

In a counter to the long-standing Apple/AT&T "There's an app for that" advertisements, Verizon Wireless released a new "There's a map for that" ad campaign, intending to cast AT&T's 3G coverage in a negative light. AT&T has sued Verizon in an attempt to take the ads off the air. AT&T claims that the ads are misleading, and that consumers who view the ads will think that AT&T has no coverage whatsoever in the uncolored areas on the map displayed in the advertisements. Analysts disagree, noting that the Verizon ad is clearly comparing 3G, not regular, coverage. A verdict in the lawsuit has not yet been reached.

Students united in grief

Tim Ekl
Photo Editor

The Rose-Hulman community came together this week to mourn the loss of Robert Rea, a senior biomedical engineering student.

Rea committed suicide Monday afternoon, leaving behind his mother, father, stepfather, two sisters, and a brother, as well as his Lambda Chi Alpha fraternal brothers and countless friends and relatives.

Students and faculty alike joined in honoring Rea's memory and recalling his life.

"Robert was a good guy," Terrence Casey, head of the Humanities and Social Sciences (HSS) Department, said. "He was sort of your average Rose student. He was very involved in clubs and the fraternity, so you'd see him a lot around campus."

Casey, who had taught Rea in several classes, was among the many upset by news of

his death.

"Robert was one of those students I had a lot of contact with. This is somebody who's been over to my house. This is not just another face in the classroom," Casey said. "It's obviously very distressing."

Rose-Hulman Lambda Chi Alpha members were especially affected by Robert's passing.

"He's always willing to smile at you in the hallway and say 'Hey.' I went up to his room a lot and chatted," Brandon Duke, senior mechanical engineering student and Lambda Chi member, said. "Real good guy, always had a good input on the conversation. He was really good at making people laugh."

Duke and the rest of the Lambda Chi brothers are grateful for the amount of support they've received from the Rose-Hulman community.

"We've gotten a lot of support from the campus and we really appreciate it," Duke said. "We told everyone,

'By all means, if you want to come over and chat, the door's always open.'"

Students who knew Rea all remembered different details of his life and his friendships.

"He had this funny knack, he could always make me laugh, didn't matter what was going on," Alex Freeman, senior mechanical engineering student and former Lambda Chi president, said. "He had really good jokes and really bad jokes, and it didn't matter, I'd always laugh at it. He was my best friend."

The hardest part for many who knew Rea is coming to terms with his death.

"The only thing I regret is that I never really got to tell him that I loved him," Freeman said. "It's not usually brought up, but I think he kind of knew. Right now I'm dealing with things on my own. I tell people, if you're religious, pray for Rob and his family, and if not, just keep him and his family in your heart."

Rea was especially close to his fraternity brothers, who he got to know over the course of his freshman year. He joined Lambda Chi in the spring term of his sophomore year.

"He was pretty active in the fraternity," Freeman said. "He always said that his goal was to go around the house and have one really deep conversation with everybody so that he could know everybody a little bit better and they would know who he was."

The members of Lambda Chi traditionally hold meetings called Lamp Passes to gather brothers together and talk about issues they may be having. In light of Rea's death, the most recent Pass was altered somewhat to deal with the tragedy.

"We did it a little differently—in this situation it was almost like [a] candle[light] vigil," Duke said. "There were just over 40 people in attendance."

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“He could always make me laugh... he had good jokes and bad jokes... I'd always laugh at [them]. He was my best friend.”

-Alex Freeman, senior mechanical engineering student



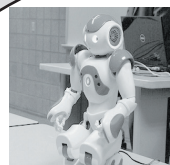
“It's going to be kind of hard to swallow for the rest of the year. He'll be greatly missed.”

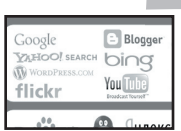
-Brandon Duke, senior mechanical engineering student

Robert Rea, former senior mechanical engineering student, who took his own life on November 2, 2009.

Photos courtesy of Lambda Chi Alpha


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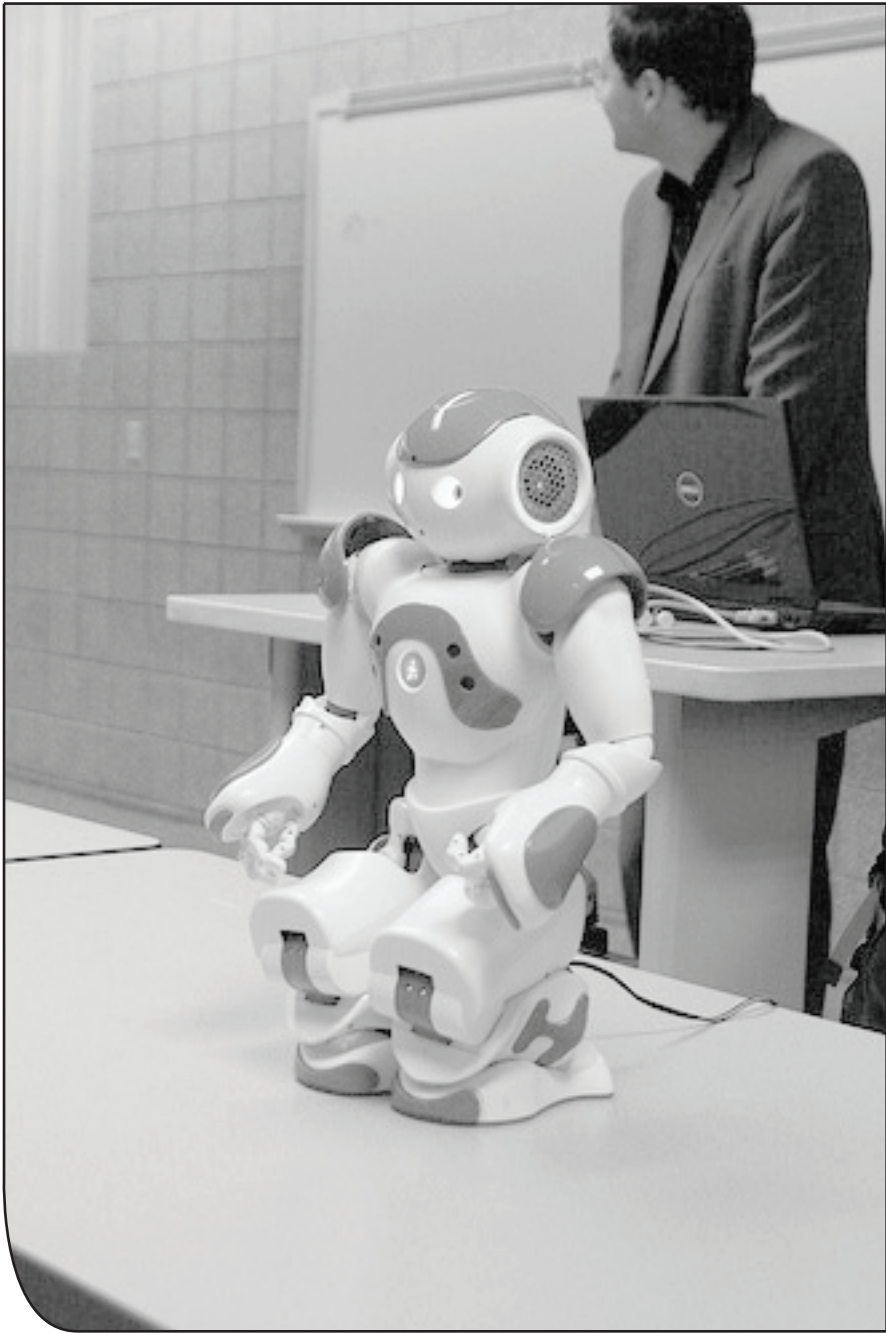
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Alex Mullans / Rose Thorn

A representative from Aldebaran Robotics demonstrates Nao, a humanoid robot with innovative drag-and-drop coding software.

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Rea, from page 1

The impact of his death was not limited to his fraternity, however.

"It's a loss for the whole campus, not just for Lambda Chi," Michael Kukral, HSS professor and faculty advisor to Lambda Chi Alpha, said.

Part of the difficulty for Rea's friends and family comes from the suddenness and unexpected nature of his death.

"Nobody saw it coming. It's very difficult to just deal with the death of somebody so young, and also for him to go in a situation like that," Duke said. "A lot of us feel very helpless."

Similar feelings plagued most of his friends for the days following Rea's death.

"He's always been a very selfless person. He never really asked anything of anyone," Zach Bierhaus, senior mechanical engineering student and Lambda Chi Alpha Vice President. "He's always put other people before himself. This action was just very shocking to everyone. I don't think anyone saw this coming."

Shortly after Rea's death, Duke created a Facebook group to memorialize his life. The group had over 350 members as of press time.

"What it does is allows people to get on there and post stories like

they have been doing," Duke said. "It helps out so much just to hear all the good things that people have to say."

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"He was pretty active whenever it came to politics, and he loved debate," Freeman said. "He was planning on going to Model EU or UN this weekend to debate with other people. Rob loved to talk about politics."

Rea's death still weighs heavily on many across campus, but his friends have come together to support each other.

"It's really nice to see everybody pitch in and it's been a solid foundation with everybody leaning off of each other," Duke said. "It's going to be kind of hard to swallow for the rest of the year. He'll be greatly missed."

Rea left behind a lasting legacy of friendship across the Rose-Hulman campus.

"He was my best friend," Freeman said. "He was a good guy. I love and miss him."

Nao is the time for robotics

Alex Mullans
Staff Writer

Nao stands about two feet tall, and might qualify as the cutest robot that exists outside of a Spielberg film. Manufactured by Aldebaran Robotics, Nao is a remarkable humanoid robot. Attendees of the presentation on Friday last week witnessed the robot sing, dance, sit, and pick itself up after falling down. Natanel Dukan from Aldebaran brought a Nao unit to Rose-Hulman Institute of Technology to demonstrate the Nao's hardware and software to a room of stunned students and professors.

Dukan noted during his presentation that robotics is an excellent field because it brings together computer scientists

and electrical and mechanical engineers; several professors in the room concurred with this assessment. Indeed, the Nao robot was able to complete feats impossible for most robots (like recovering intelligently from a fall) because of custom motors and custom software designed by Aldebaran. Dukan was proud to note that Nao is the official robot of the RoboCup competition for the programmers-only division.

While the Nao was popular among the audience simply because of its charming, if somewhat unconvincing, rendition of Star Wars, many of the computer science folks in the room also found the Nao's programming interface especially intriguing. Nao is platform-independent, meaning that it can be

controlled from any operating system using a variety of different languages from C++ to Python. The non-programmers in the room were also pleased when Dukan presented Choregraphe, visual coding software for Nao that allows users to drag-and-drop functions into an execution path without any knowledge of the actual underlying code.

The overall impression in the room during the presentation seemed to be one of awe that a computer could power actions that were so overwhelmingly "human." Indeed, Nao seemed quite advanced for its time. Computer science professor David Mutchler even noted that "The robot costs a lot, but who knows, maybe someone will donate one to us!"



Students walking to class last Friday were greeted by a somewhat unusual sight: steam pouring from the ground outside of the Olin Advanced Learning Center.

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Rose-doku

By Andrew Klusman

Instructions:

Solve the puzzle by filling in the blanks but be careful to not repeat the symbols (F, A, L, B, R, E, K, W and D) vertically, horizontally or within the bold 3x3 sub-grid squares.

B			R					L
	A		K			F	E	
	D		A	W				
						E	B	R
		A				W		
E	F	B						
				L	A		R	
	R	D			F		W	
K					W			D

Have an enjoyable and safe Fall Break!

Find the answers to all Rose Thorn puzzles at:

<http://www.rose-hulman.edu/thorn>

Movie Quote of the Week

By Andrew Klusman

Instructions:

Solve the puzzle by deciphering the following quote and figure out from which song the quote is. Each letter represents a different letter in the alphabet.

Hint (Solution = Crypto):

A = D B = H C = U

NZW, KACC. UASCK WAS MUDLZ SG DIAQNZL

-----, -----.

LASIK RAL ASL QDHCZ AFZL NZLZ? DIK QZCC

-----?

QNZ UAAE QNTM TM CAO JLDKZ KAJ RAAK. T'FZ

-----,

NDK HZQQZL RAAK DQ QNZ HDCCJDBZ, WAS

-----,

EIAO? QNTM MQZDE MQTCC NDM BDLEM RLAB

-----?

ONZLZ QNZ YAUEZW ODM NTQQTIJ TQ.

-----.

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dependable source for news and information."*

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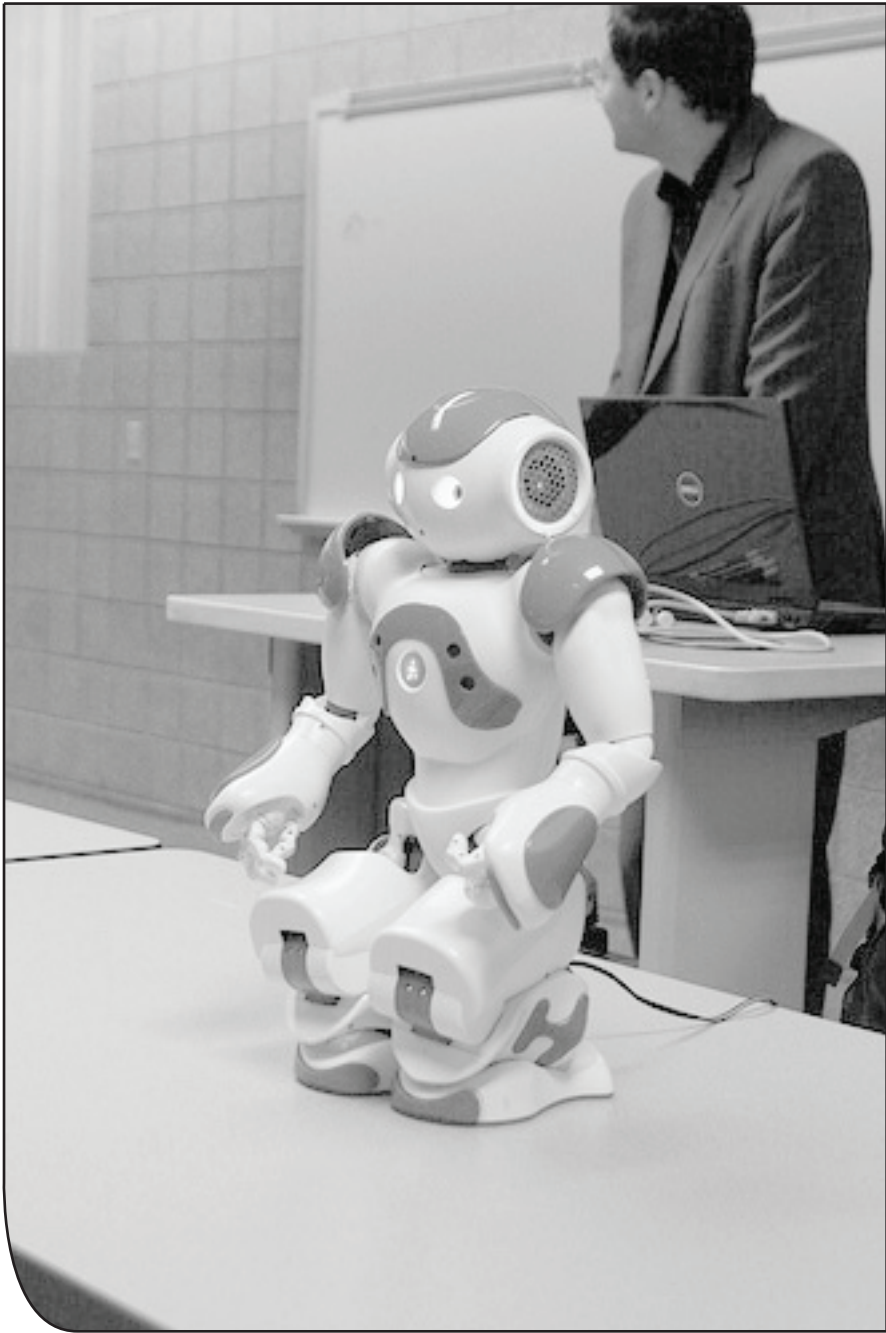
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Alex Mullans / Rose Thorn

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Network neutrality: point counter point

Point

Alex Mullans
Staff Writer

Net neutrality means different things to different people. Perhaps the best definition I've found is Google's:

"Network neutrality is the principle that Internet users should be in control of what content they view and what applications they use on the Internet." No one really cared about network neutral-

ity until a few years ago, when two things happened. First, one of the major Internet Service Providers (ISPs) floated the idea that rather than leaving the Internet as it is now, where anyone who can afford to put up a server can have their data accessed by anyone with an Internet connection, the Internet should be a toll road; providers like Google or Amazon who wanted their information to get to consumers quickly would have to pay off the ISPs for priority. Second, news leaked on the Internet

that Comcast, among others, was breaking BitTorrent seeds (uploads) by impersonating their customers and sending false disconnect packets to other torrent users downloading from the Comcast user. Their behavior is indicative of traffic shaping, which net neutrality hopes to prevent.

Why is net neutrality a good thing? The Internet was created equal and has flourished as such. Any website, from Twitter to YouTube to Facebook to the next big unknown, has an equal op-

portunity to reach anyone on the 'net; this encourages innovation by leveling the playing field. Net neutrality also ensures that ISPs don't favor their own traffic (like Comcast's Digital Voice phone service) over other data that they deem "less important."

The most standard argument regarding net neutrality from the major ISPs is the claim that the United States is "running out of bandwidth." Of course, this argument fails when you realize that every study that has come to this

conclusion is funded for or backed by one of the major telecom companies. Rather, the ISPs in general don't like heavy utilization of their connections, and figure that they should either block it (in the case of BitTorrent), or extract as much money as possible from it. But, as the folks at Google put it, "Just as telephone companies are not permitted to tell consumers who they can call or what they can say, broadband carriers should not be allowed to use their market power to control activity online."

Counter point

Richard Thai
Guest Writer

Net neutrality advocates are against any and all prioritization of data whatsoever, be it based on the content streamed or the agreement of the sender to pay extra; they suggest an "open" Internet. Essentially, they're not willing to be thought of as being less-deserving of broadband by Internet service providers (ISPs) without having to pay extra for it; they want ISPs to be "neutral" to all data streams. It is with this goal in mind that net neutrality encourages others to "save the Internet." If the Internet were the least bit in danger, I would be one of many on the front lines to defend it. And right now, it is in danger. It is in danger of being "saved" from an evil so grand and so maniacal... that it doesn't exist.

Net neutrality would be a noble idea were it not for a very big limitation that occurs in our very real world: there's no such thing as unlimited broadband. This is a big problem considering some of the things that the High Tech Broadband Coalition (HTBC) hopes to be able to offer to its consumers, such as better security to protect against malware/viruses/worms and higher levels of reliability (which are absolutely critical for advanced remote medical moni-

toring). And plenty of experts agree that if we're going to achieve this sort of Internet service, we're going to need to tweak the architecture of the Internet to allow better data prioritization in our broadband. I say "better data prioritization" because ISPs have always needed to prioritize certain data streams in order to provide a fraction of the services that they provide now, including voice and video streaming.

Carnegie Mellon professor and telecom expert David Farber cautions that "As long as there have been networks, people have had to engineer them to ensure that congestion doesn't occur." We can easily see the application of this statement in current society. For example, consider traffic engineers who work to prevent traffic jams from occurring, or the US Postal Service which works to keep mail traveling around the country consistently. The Internet works the same way; ISPs must prioritize certain data streams in order to provide better quality Internet service to the general public as a whole. To argue against data prioritization is to argue against traffic engineers designating carpool lanes. To argue against premium pricing in order to get better quality Internet service is to argue against the US Postal Service offering Express Mail to be able to get important materials to their

destinations more quickly. Just as you're not cutting people off from driving when using a HOV lane or preventing people from mailing by offering the option of purchasing Express Mail, data prioritization doesn't mean that our favorite search engines will be inaccessible, it simply means that they will not be allowed to consume so much bandwidth that they hinder other important websites and services.

So what happens if we take away ISPs' ability to adjust the flow of Internet traffic? We're going to run very quickly into the same types of capacity problems that AT&T had to embarrassingly cope with last March during the South by Southwest Conference (SXSW) in which thousands of iPhone users found themselves experiencing little to no signal in the vicinity. With the implementation of net neutrality policies, ISPs would be compelled to start charging based on actual bandwidth usage as opposed to simply allocating it to where it is in higher demand. This would mean the end of flat Internet rates as we know it. To put it simply: there's a limit to how much broadband an ISP can supply for its consumers. A delay in the Internet is inevitable when there is more traffic than an ISP can carry. "When you're operating that close to capacity, you have to do a very tricky job of managing your spectrum" says Farber. "If you have unconstrained loads

being dumped on you, something's going to give." And when something does need to give, it's only rational that ISPs decide to prioritize data for a patient's vital signs in the ICU over data for a download of the newest album from Muse.

Let's save ourselves from believing the fallacy that there's no data worth prioritizing. Some data streams will be more critical than others and ISPs must be able to manipulate broadband usage in order to optimize their overall service. As a result of being able to perform their services more efficiently, economically, and effectively, ISPs may even be able to break away from their broadband limitations and achieve new levels of service. And with higher levels of broadband comes a greater need for maintenance from the ISPs that know very well how to handle it. After all, the Internet is being handled by engineers. They know what they're doing.

<http://i.imgur.com/5RrWm.png>

Our potentially option filled future. The internet can be as pleasant as cable.

Letter to the Editor

In last week's issue of the Thorn, Mark Minster used his column space to lament the animosity that many Christians hold towards homosexuality and claim that such distaste is not founded in the Bible. Being one of the accused, I thought I ought to make a defense.

Firstly, I would like to point out a very important distinction that has been made here. Dr. Minster stated in his article that he doesn't understand "the hostility some Christians have towards homosexuality." Hostility towards homosexuality is very different from hostility towards homosexual persons. Had the argument been made that Christians, by virtue of their own beliefs, should not be hostile towards homosexual people, then I would have no counter argument whatsoever. Such a statement is entirely correct.

However, the claim that the Bible does not condemn homosexuality implies either ignorance of or misinterpretation of the Bible. Leviticus 18:22 clearly states that God sees homosexuality to be detestable. In Romans 1:26-27, Paul labels homosexuality as perversion. In Genesis 19, the account of Sodom and Gomorrah spotlights homosexuality as one of the major sins of the people of those two cities. They ended up in a ball of fire, by the way. Jude verse 7 references back to that. In addition to condemning homosexuality directly, the Bible also describes heterosexuality as being right and proper. Jesus quotes from Genesis in Matthew 19:4-6 showing God's plan for man and woman to be together.

In his article, Dr. Minster claims that Paul and "the Priestly writers of Leviticus" were simply trying to distinguish the Christians and Jews respectively from the peoples around them when they condemned homosexuality. Such a statement as this is a much better example of casuistry than the one listed in the column. According to the definition I found, casuistry is "the resolution of particular moral dilemmas, especially those arising from conflicting general moral rules, by careful distinction of the cases to which these rules apply." The conflicting "moral rules" here are that the Bible is inerrant, that homosexuality is not wrong, and that the Bible claims that homosexuality is wrong. If you can remove one of the last two from the list, or say that one of the state-

ments is conditional, then the world is as it should be.

One major problem with that claim is that Leviticus was, according to the available evidence, most likely written by Moses. Hence Leviticus 18:1, among other first-verse-of-the-chapter's in Leviticus, which states "God spoke to Moses." If you would like to claim that the Bible as a whole is incorrect, or even that parts of it are incorrect (which implies that the whole book is not trustworthy), then go ahead. I don't have the time to try and prove logically something which must be taken by faith. Otherwise, it seems clear that Leviticus was not written by priests with an agenda. The first five books

“The account of Sodom and Gomorrah spotlights homosexuality as one of the major sins of the people of those two cities. They ended up in a ball of fire, by the way.”

of the Bible, or the Pentateuch, are usually attributed largely to Moses, with the notable exception of the account of his death and funeral. In John 5:46-47, Jesus does just that. Again, if you want to call Jesus a liar, I can't stop you, but that isn't the point here.

The other significant issue I have with the above claim is the assumption that Christians usually believe that the Bible is true in its entirety and does not lie. This is backed up by a number of scripture passages which say that the Bible was inspired by God. 2 Timothy 3:16 says "All Scripture was inspired by God." 2 Peter 1:20-21 also says that all scripture and prophecy was written by men "moved by the Holy Spirit." Pointing back to the issue of who wrote Leviticus, Deuteronomy 31:24-26 clearly states that Moses wrote down the law, which was then placed with the arc of the covenant, implying pretty heavily that it was from God.

To some of you, it may seem that for all my work, I have only served to prove Dr. Minster's point that Christians use the Bible to justify their personal problems. He claims that homosexuality is not a problem and thus that Christians have no rational reason to despise the act. Specifically, he says it is not against nature. I can agree with that statement, in a way. Homosexuality is most definitely not against the sinful nature in man. However, many people (namely those who don't suppress their conscience in any way) know it to be wrong. The idea that people know something to be wrong without having to be told it is evident in Romans 2:14-15, which essentially says that everyone knows God's law in their heart. The same could be applied to murder. I know in my heart it is wrong, and I am disgusted by the idea of it, and I want to know why. So I look in the Bible, see that I should know God's law in my heart, and see that murder is against God's law. It all checks out. No conflicting moral situation, no defining circumstances to which each moral pertains, no casuistry.

One might then say "If people know what is right and wrong to begin with, then why do people do what is wrong?" The answer is in Romans 7:7-25, which describes how sin takes the law and tempts people to go against it. You do what you don't want to do, because sin works against you when you try to do what you want to do. I want to obey God's law, but sin pushes me away from it, so, unless I am shielded from sin or actively resisting sin, in the end I break God's law.

In closing, I would like to again recognize the nature of the problem here. As a Christian, I am called to love my neighbor as myself. I, for one, would rather be rebuked when I am wrong than be allowed to live wrongly. As such, I thought I would point out that the Bible does indeed speak against homosexuality, though the claim was made that it does not.

Ben McDonald
Engineering Physics
Class of 2013

In a time of need

Melissa Schwenk
Living Editor

At a state school, it's easy to imagine how a student can feel alone and nameless. With upwards of 40,000 students on some campuses, it could be easy to feel lost. But at Rose, it's hard to realize that in a school where you hardly see any faces you don't recognize that some students feel out of place enough to take their own lives. Is it the stress of upcoming finals? Problems with friends and family? A combination of multiple factors?

We may never know the reasons why someone commits suicide. Suicide is a hard topic to discuss, but with statistics such as that suicide is one of the leading causes of death for teenagers and young adults, it's something we cannot ignore.

Suicide, from the Latin words *sui caedere* meaning to kill oneself, has been a part of human existence from almost the beginning. Samson in the Bible commits suicide in order to destroy the columns. Anthony and Cleopatra committed sui-

cide together so as to not fall into the hands of Augustus. Hannibal took the poison he kept in his ring rather than be handed over to his enemies. We are bombarded with stories of modern suicides by the news, grade school children pushed to take their lives when the bullying becomes too much, fathers who destroy their families because they have lost their jobs, college students who just don't see a reason to continue.

I can't say that I never belittled someone in middle school to make myself feel better about my own social awkwardness.

At the time it seemed like everyone was doing it, that we were just a mean school where only those with the quickest tongues came out on top. Looking back, though, I have to wonder how we got so lucky that none of us committed suicide. It is so easy to ruin someone's day, week, life, but we rarely think about the verbal diarrhea that comes from our own mouths. Often suicide isn't about the act itself; it's not a cry for attention. It's an attempt to end the pain the person feels, pain that maybe could have been prevented by

thinking about what we say.

There are ways to prevent suicide, including seeing the counselors on campus, calling a national hotline, finding a different outlet for the pain, and, for those who aren't suicidal, being a friend.

The counselors on campus are a great resource. Sometimes there are just things you don't want to share with friends for fear that they'll judge you—or worse, tell everyone they know. You don't have to keep these things inside. The counselors are here to listen to you, confidentially and without judgment. Located in the lower part of the Union, they are open Monday from 12:00 p.m. to 5:00 p.m., Tuesday from 11:30 a.m. to 9:30 p.m., Wednesday from 10:30 a.m. to 6:30 p.m., Thursday from 11:30 a.m. to 5:30 p.m., and Friday from 8:00 a.m. to 5:00 p.m. You can make appointments to talk to them regularly, or just once if you suddenly come under stress.

In times of real urgency, when you feel so alone you cannot take it anymore, calling a hotline can help. There are several available, both locally and nationally. The person on the other end is there to help you, there to listen to all the things you are feeling, and most of all, to make you realize that ending your life is not what you actually want. Do not be afraid to call them. The calls are anonymous, toll-free, and open twenty-four

hours a day. The counselor on the other end will talk to you as long as you need. See the box in the corner of the page for a list of numbers that you can call.

Most of the time, a suicidal person is not looking to end their life but to end the pain they are feeling. Channeling that pain into other things is what has made many a great artist. While there have been many artists who've been overcome by their feelings, such as Vincent Van Gogh, Sylvia Plath, and Ernest Hemingway, many others are able to channel the pain caused by bullying, abuse, or lost love into art that has made others

feel not so very alone. Maya Angelou's book "I Know Why the Caged Bird Sings" recounts her life until the age of seventeen, during which time she was physically and sexually abused. Rather than become another Lucretia from Roman mythology, who takes her own life after her rape, Angelou carries on with her life, raising her son and dealing with the hard times as they come. Her strength in

sharing her story has helped many abused women to carry on with their lives, rather than end them.

Those of us who aren't suicidal have an even greater responsibility to create a suicide-free environment. It doesn't take much to smile at people on the sidewalk, to acknowledge their basic human existence. Yet how many of us walk around as if

the ground is more interesting than those around us? We need to pull together as a community, engage our neighbors, get to know the people in our classes, and spare a kind word on the sidewalk. When the friends who are far from us

call, don't blow them off just because you have homework. Take fifteen minutes to catch up and let them know that they are important to you. Doing these simple things might not prevent every suicide, but if we can help even just one person, why not?

We can no longer ignore the topic of suicide. We have all been touched by it and now must come together to try and prevent any more.

“Suicide is one of the leading causes of death for teenagers and young adults.”

“The person at the hotline is there to make you realize that ending your life is not what you actually want.”

Suicide resources

If you need to talk to someone, call one of these numbers. You will be connected with someone who is trained to help you.

1-800-784-2433 — Kristen Brooks Hope Line

1-800-273-8255 — National Suicide Prevention Lifeline

1-812-235-8333 — Vigo County Lifeline

1-812-877-8537 — Rose-Hulman Student Counseling line

The Counseling Staff will be keeping the following extended hours for another week. After that, they will resume the normal hours of:

Monday: 12:00 p.m. - 5:00 p.m.

Tuesday: 11:30 a.m. - 9:30 p.m.

Wednesday: 10:30 a.m. - 6:30 p.m.

Thursday: 11:30 a.m. - 5:30 p.m.

Friday: 8:00 a.m. - 5:00 p.m.

They are also available outside normal hours as long as you e-mail them beforehand so they know to expect you.

A list of their services can be found on their website:

<http://www.rose-hulman.edu/HMUCS/index.htm>

National Suicide Prevention Lifeline
1-800-273-TALK

How to: bust that stress

Tim Boyer
Sports Editor

As Rose-Hulman students, we can find ourselves carried away in work, extracurricular activities and other responsibilities that just seem to pile on. If you're not careful, they can start to overwhelm you and over-stress you. From personal experience and some simple online resources, I've compiled some suggestions for how to keep your stress at a minimum.

One form of stress can come from having a lot to do in a short period of time. Sometimes this short period of time can be a week's time, sometimes a matter of hours. Time management is key in this situation. Take a step back and make a list (not just in your head, pen and paper work the best) of everything that needs to get done in the time period you're worried about. Take those to-do items and prioritize them so you know what needs to get done first and/or what the most important items are.

Once you know what needs to get done first, start attacking it. Try and get rid of distractions like Facebook and AIM. Personally, I find a good playlist or album of music with a good beat (slow or fast) helps me stay focused on what I need to do. Don't be afraid to take breaks: your mind does need rest. Get some fresh air, even if it is a bit cold outside. If you're

feeling sluggish, nothing wakes you back up like running outside in chilly weather. Make sure you come back from your break, though! Give yourself five to fifteen minutes and make sure to go back to work when the time is up.

If you find yourself in this position a lot, think about making yourself a more regular schedule that you can follow and then plan to get things done ahead of time. This will help avoid the last-minute crunch.

If you make it through a stressful day successfully and finish all or most of the tasks you needed to get done, reward yourself. Go relax, enjoy your favorite activity, and maybe even enjoy your favorite beverage for those who are of age, at least for a short time until you need to start working on your next set of tasks.

What is sometimes another major stress producer is when someone has a lot of personal issues going on in his or her life. Whether it's a break-up with a significant other, the death of a close friend, or even the creeper that keeps pining over you, all of these can occupy your mind and build stress as you try to make it through a normal day.

If I ever find someone in this situation, my first suggestion is to talk to someone about it. It doesn't have to be the school counselor; it could be a close friend that you confide in. Regardless of whom

you choose, it is always such a liberating feeling to get all your thoughts out of your head and out in the open. If you feel like you know what your confidant may say and you think you need a new perspective, the school counselor (or equivalent) is always a great option. They offer that third-party perspective and un-jaded view on things, and can give you something new to talk about.

Some other suggestions to help keep your stress low:

Water and snacks. Keep yourself hydrated and don't go hungry. Hunger and dehydration can provoke aggressiveness and exacerbate feelings of anxiety and stress.

Check your posture. Hold your head up and don't slouch or slump. Bad posture can lead to muscle tension, pain, and increased stress.

Simply relax. Before reacting to the next stressful occurrence, take three deep breaths and release them slowly.

Practice letting go. Watch for the next instance in which you find yourself becoming annoyed or angry at something trivial or unimportant. Make a conscious choice not to become angry or upset. Do not allow yourself to waste thought and energy where it isn't deserved.

Tips found at <http://www.medicinenet.com>

Men's basketball draws large crowd to Hulman Center for cross-town match up

Tim Boyer
Sports Editor

In their first meeting since 1932, the Indiana State Sycamores and Rose-Hulman Fightin' Engineers drew a crowd of over 4,800 to Hulman Center for the exhibition match between the two schools. The Sycamores, being a Division I team, out-classed Division III Rose-Hulman on the court, winning the contest by a margin of 89-50. The first 20 minutes of the

game made the skill difference obvious, but the second half was not as much of a blowout.

Indiana State University relied on hot first half shooting to take a convincing early lead as part of an 89-50 victory over Rose-Hulman Institute of Technology in men's basketball action on Tuesday night.

The Sycamores shot 62% from the field and buried six three-pointers to take a 46-17 lead at the break. Rose-Hulman played

a much more competitive second half, scoring 33 points and holding the Division I Indiana State squad to 43.

Sophomore mechanical engineering student Jason Haslag led the Rose-Hulman offense with 12 points, including 3-4 from three-point range. Sophomore mechanical engineering student Blake Knotts also reached double figures with 10 points and a team-high five rebounds.

Other key contributors to the

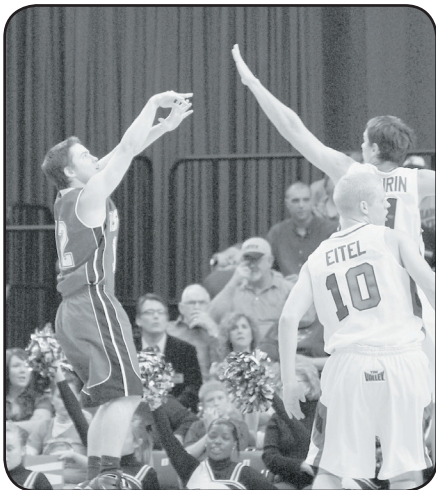
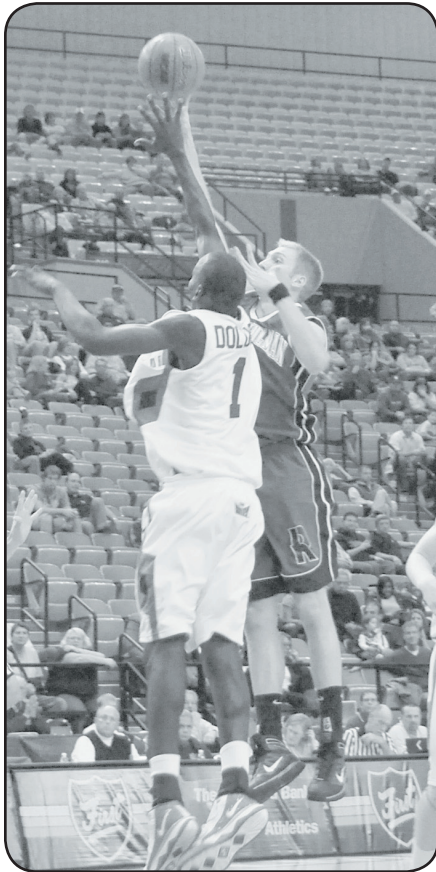
balanced attack included sophomore civil engineering student Spencer Harlan with seven points; senior biomedical engineering student C.J. Tuskan with seven points and a pair of assists; freshman computer programming engineering major Nate Gissentanner with six points; and freshman civil engineering student Austin Weatherford with five points.

Indiana State featured a balanced scoring attack that included

four players in double figures. Kolang Duluony and Jake Kelly scored 13 points each, with Dwayne Lathan adding 11 and Jake Odum contributing 10. Rashad Reed and Jordan Printy pitched in with eight points each.

Indiana State leads the all-time series 31-23, with Rose-Hulman winning the finale of the 1931 season.

The men's basketball regular season opens November 15 at Millikin University.



Engineer Scoreboard

Women's Soccer 8-10 (7-1 HCAC)

October 31
Mt. St. Joseph 2
at Rose-Hulman 3 OT

November 4—HCAC Semifinals
Transylvania University 1
at Rose-Hulman 0

Men's Basketball

November 3—Exhibition
Rose-Hulman 50
at Indiana State Univ. 89

Men's Soccer 12-6-1 (8-0 HCAC)

October 31
Mt. St. Joseph 0
at Rose-Hulman 4

November 3—HCAC Semifinals
Hanover College 1
at Rose-Hulman 0

Football 5-4 (3-3 HCAC)

October 31
Franklin College 21
at Rose-Hulman 34

Volleyball — 20-12 (4-4 HCAC)

October 31

Bluffton University	25	29	27	— 3
at Rose-Hulman	21	27	25	— 0
Illinois College	14	9	16	— 0
at Rose-Hulman	25	25	25	— 3

Women's Cross Country

October 31
HCAC Championships
Cincinnati, Ohio 3rd of 9

Men's Cross Country

October 31
HCAC Championships
Cincinnati, Ohio 4th of 9

Swimming & Diving

November 3
Illinois Wesleyan University & Wabash
Bloomington, Ill.

Men — 3rd of 3
Women — 2nd of 2

Rifle

November 1
Tennessee-Martin
Terre Haute, Ind. 4,488 points

Leah Pelzel Named ESPN The Magazine Academic All-District

Rose-Hulman News

Rose-Hulman Institute of Technology sophomore volleyball setter Leah Pelzel has been named to the ESPN The Magazine college division academic all-district V squad in volleyball, earning third-team honors.

Pelzel ranks fourth in school history with 1,498 assists and stands second in the Heartland Collegiate Athletic Conference with 1,065 this season for a 9.26 per set clip.

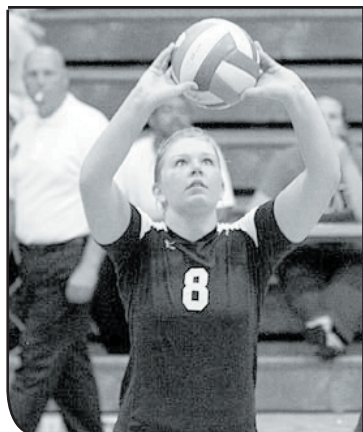
In addition, Pelzel ranks third on the team with 342 digs and is tied for the team lead with 42 service aces.

Pelzel becomes the first Rose-Hulman volleyball player in school history to be recognized on the ESPN The Magazine academic all-district squad.

The biomedical engineering major has been named to the Dean's List during every academic quarter and is a member of the Alpha

Lambda Delta honorary fraternity.

Pelzel and the Fightin' Engineers will compete in the six-team HCAC Tournament starting Saturday with a 3 p.m. match at Bluffton. The Engineers have won a school record 20 matches this season and stand 20-12 overall.



Rose-Hulman News

Setter Leah Pelzel was named to ESPN The Magazine Academic All-District

Football rocks Franklin

Rose-Hulman News

The Rose-Hulman Institute of Technology football team established two offensive school records, highlighted by 589 yards of total offense, in a 34-21 Heartland Collegiate Athletic Conference victory over Franklin College on Saturday.

Junior Reed Eason established a school record with 225 yards on an impressive 15 receptions with two touchdowns for an individual historical mark.

Senior Derek Eitel recorded the second 400-yard passing game in school history to spur on the attack. Eitel finished 27-45 through the air for 422 yards and three scores for the second most passing yards in a game in school history.

Eitel also became Rose-Hulman's career leader in touchdown passes with 48, breaking the previous mark held by 1989 graduate Jason Duff (45).

The offense featured 422 yards through the air and 167 on the ground for its school record 589 yards of total offense. The effort marked the third time this season that Rose-Hulman has gained 500 yards in a game and the second time the total offense school record has fallen.

On the ground, Eitel rushed

for a game-high 64 yards and one touchdown on 10 carries. Freshman Kyle Kovach added 43 yards rushing and junior J.D. Hill rushed for 36 yards and his first college touchdown.

Eason led a receiving effort that featured five different receivers with at least three catches. Junior Andrew Huddleston had three receptions for 90 yards, graduate student Thomas Reives added 50 yards on three catches, junior Ben Hopf had three catches for 43 yards, and senior Tyler Thornton hauled in three receptions for 14 yards.

Defensively, senior Kyle Stevens led the defensive effort with two interceptions. Junior Andrew Couch added an interception, two pass breakups, two tackles-for-loss and one sack.

Other key contributors to the defensive included senior Patrick Duncan with five tackles, two sacks, two forced fumbles and two pass breakups; junior Scott Eaton with a team-high nine tackles; and junior Robby Alumbaugh with seven tackles and two pass breakups. Sophomore Matt Green added a fumble recovery.

The Franklin offense featured 16-44 passing for 277 yards and two touchdowns between quarterbacks Nick Purichia and Kyle

Ray. Purichia had a team-high 119 yards on the ground with a 64-yard touchdown.

Rose-Hulman jumped out to a 20-0 lead at halftime with 20 points in the second quarter despite heading into a strong wind.

Eitel tossed three touchdown passes in the second quarter to give the Engineers the lead. Eason hauled in scoring strikes of nine and 32 yards, and Reives scored on a 38-yard catch in the corner of the endzone with 2:58 left in the half.

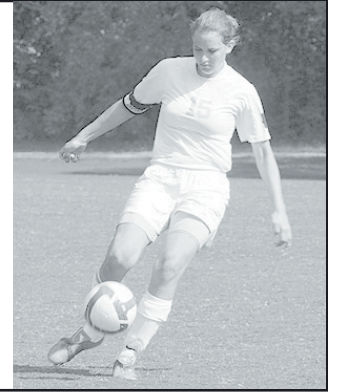
Franklin scored early in the second half on a 58-yard pass from Purichia to Adam Mellencamp to trim the margin to 20-7. The Engineers marched 10 plays and 72 yards to regain a 20-point lead at 27-7 on a four-yard scoring run by Eitel.

Purichia closed the margin to 27-14 on a 64-yard touchdown run with 2:15 left in the third quarter. The first college touchdown for Hill marked the final scoring as Rose-Hulman secured its fifth victory of the season.

Rose-Hulman improved to 5-4 overall and 3-3 in HCAC play with the victory, while Franklin fell to 5-3 overall and 3-2 in league games. The Fightin' Engineers close the 2009 season at Anderson University next Saturday.



Eli Baca



Tim Boyer Sports Editor

Every so often, a team needs a player to step and pull the team out of a rut. Last Saturday, the Rose-Hulman women's soccer team was in that rut. Playing the College of Mount St. Joseph for the Heartland Collegiate Athletic Conference (HCAC) regular season championship, the Engineers found themselves down 2-0 with 28 minutes left in the second half, junior Eli Baca stepped up for her team.

The software engineering student scored a goal with 22 minutes left on a cross from junior biomedical engineering major Ame Turner then tied the match with just over four minutes left by taking advantage of a misplay by the goalie.

The tying goal forced overtime where Baca completed a hat trick with three minutes left in the first overtime off an indirect kick from sophomore biomedical engineering major Anna Vogel, winning the game. With the win, the women's team captured their second HCAC regular season title in three years.

Eli Baca took some time to answer some questions for the Rose Thorn.

The Rose Thorn: How long have you been involved in soccer?

Eli Baca: I've been involved in soccer since I moved to New Mexico when I was six years old. I played club soccer for years, and varsity soccer for my high school team.

RT: The women's soccer team started the season 0-7. Did the team ever think they would win a share of the regular season title at that point?

EB: I'm not sure. Yeah it says 0-7 but it didn't feel like 0-7 to me. Each game had some victory for us, from giving a strong defensive effort to just how we played in games was really great. I think we were just waiting to stop playing nationally ranked teams. We had to learn a new style of play and that takes time, and it was just awesome to watch how the team came together throughout the season.

RT: What was going through your mind when MSJ went up 2-0 in the second half last Saturday?

EB: There were lots of things going through my mind, and not many are fit to print. I had just literally kicked myself in the knee so when they scored the second goal (which by the way, was not off me, the girl headed it right in front of me) I was hurting, but I knew I had to step up. At that point it was like ya know, if we're gonna lose, I'm at least gonna take a chance and see what happens, start going forward more, just taking more risks, and basically start hitting those girls.

RT: What drove you to be able to score all three goals in last Saturday's game?

EB: Honestly I have no idea. I was running on adrenaline. Pure and simple. I wanted to

beat those girls, to hand them a stunning loss like they did to us last year. And that last pass by Anna Vogel, the little chip in overtime, that was pure epicness. One of the best passes I have ever been given, and I totally wasn't focused on shooting when I got the ball, I was still on the great pass. All of the passes I was getting were just excellent, and I didn't want to be the one to mess up great passes.

RT: Are there any regrets from losing the HCAC semi-final game on Wednesday?

EB: There's always regrets from a loss, but I know the girls and I played our socks off and I couldn't be prouder of them.

RT: What's the most meaningful or favorite game-time moment?

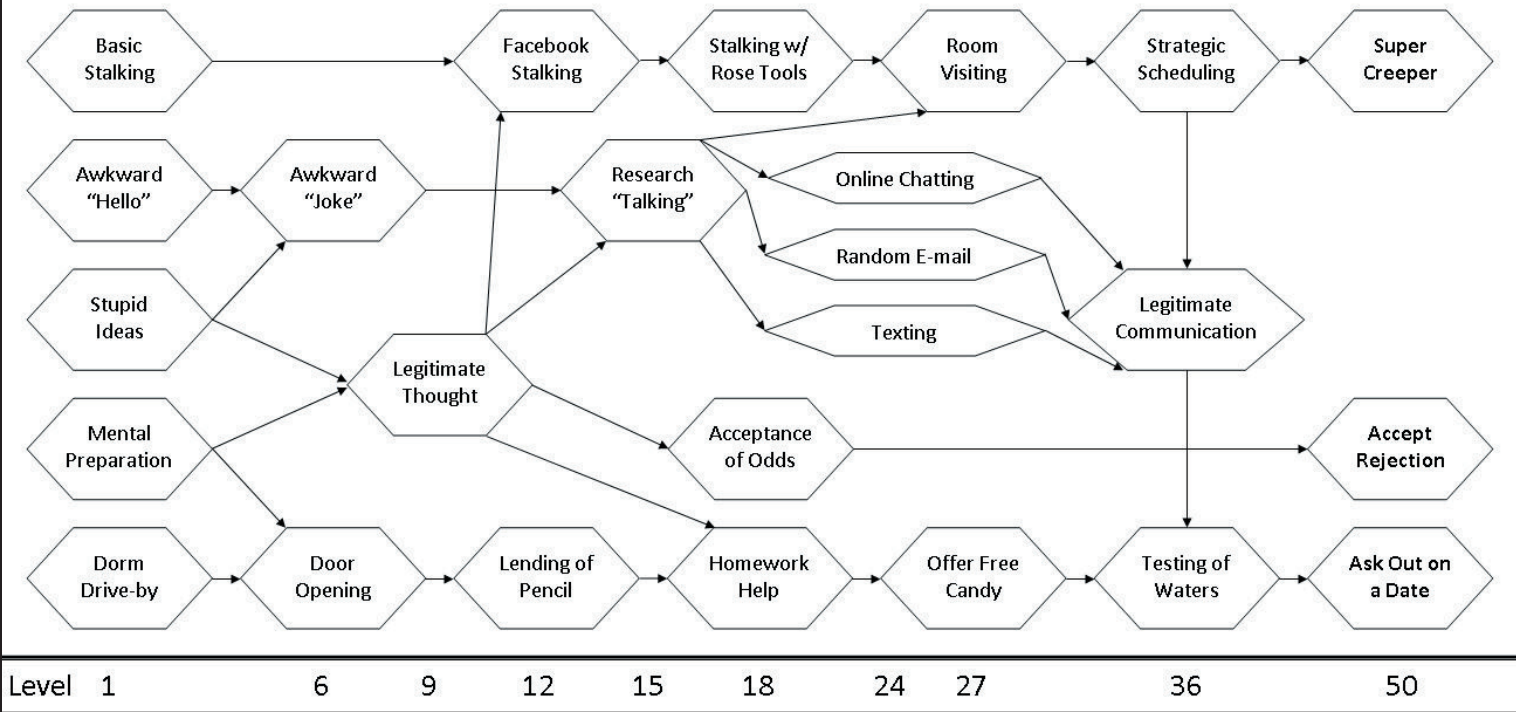
EB: Well Saturday was really great, I haven't had a hat trick in years, but I just really enjoy playing soccer with the team. My favorite moment though was probably earlier this season when one of the defenders asked me if she could push this girl down, and I told her "ya know just do it on their end". Five minutes later, the other team had a free kick from my defender completely shoving this girl into the ground. Just hilarious.

RT: Have you learned anything you want to apply next fall?

EB: Sometimes you just gotta push the defender into the goalie, I think I might do that a couple more times next year.

Dear James: I am ransoming your page for cookies. Many of them.

Dating skills tree: Level up in real life



Noël Spurgeon, Matt Melton, Eric Reed - Level 60 Daters. Not really.

Wacky prof quotes

- "That's the f-connected component. That's effing great." — Dr. Holden, no holds barred.
- "If it looks like a duck and smells like a duck, it must be a cyclic voltammogram." — Dr. Morris. I have a cyclic voltammogram. It quacks a lot and likes to eat bread.
- "At the tip, that's where the most important part of the action is." — Dr. Fine, describing something perfectly innocuous.
- "If I start tearing off my clothes, don't be too worried." — Dr. House, after a cellphone with the ringtone "Hot In Herre" goes off in his class.
- "A completely revolutionary idea that just pissed everyone off!" — Dr. Langley, on why it is important to always color inside the box.
- "If you drink enough coffee, you can wi-fi with your mind." — Dr. Clifton. It's true, I'm laying out this page while also laying... never mind.
- "The man makes me do it!" — Dr. Mohan, betrayer of the rebellion.
- "You can watch them dance up there. It's like free entertainment." — Dr. Evans... Wait, what?
- "Let's live in a boot for six days." — Dr. VanSchoiack. She gave them some broth without any bread; Then whipped them all soundly and put them to bed.
- "Using the given geometry and my Lewis form factor chart, which I always have with me when I solicit taverns..." — Dr. Chambers, giving away his secret.

Two girls, one engineer

Hobey Tam

Attack of the Meme

At precisely 10:03 a.m. this morning, a male Rose-Hulman student was sitting at an isolated table with exactly two females within 20 feet. This feat of epic proportions was documented with cell phone footage and posted on YouTube.

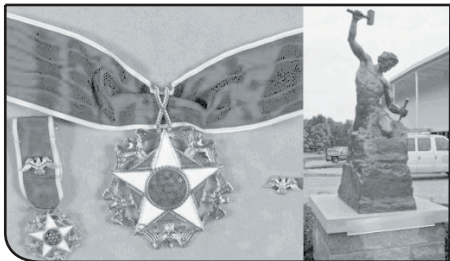


Hobey Tam - Youtube show-off

With tears welling up in his eyes, one 30-year-old alum of Rose expressed how proud he was.

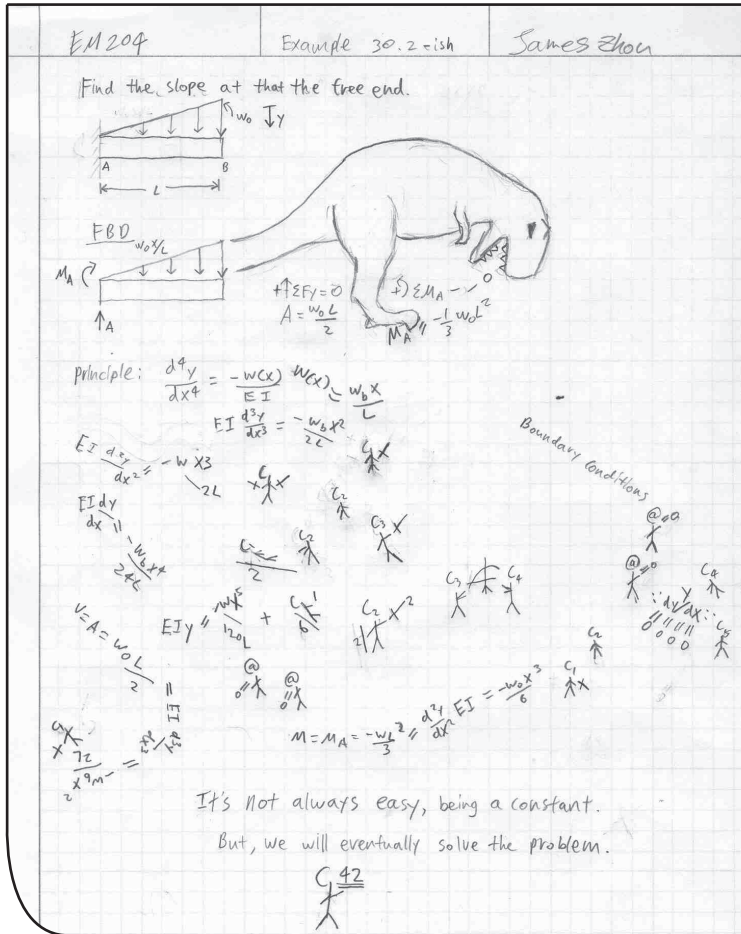
"... [T]ruly inspirational. Right here at Rose — it happened. It is the one success in this sea of fail that encompasses life here at this institution. Defeating all possibilities — against 0 probability odds. Proving that 0 probability events still occur. From this event, we can all buy lottery tickets with confidence and hope. Students can go into Thermo 2, ADES, O chem., and even signals exams with the confidence that they will not be utterly beaten to a pulp. It is perhaps a sign from above — perhaps proving there is indeed a God."

With 3.4 million Facebook statuses posting the link to the original video, the footage as well as the male individual have cemented their places in engineering history with the likes of revolutionary innovations such as fire. The administration has already held three conferences on how to award this individual and commemorate this once-a-millennium event. Plans to modify the Medal of Freedom to be awarded in lieu of the valedictorian/salutatorian speeches during the graduation ceremony of the individual have already been put into effect, and a professional sculptor is set to carve the name of the individual into the statue of the "Self — Made Man" to serve as a beacon of hope for all the desperate males on campus.



Left: Medal of Freedom is the highest honor a citizen can be awarded in the US. Right: Self Made Man with name of the engineer engraved upon him.

Let's prematurely celebrate the end of homework!*



James Zhou - Preparing for the uprising

*On account of this being the last Flipside before vacation and all.**
**Don't stop sending in prof quotes! They will appear eventually.

Top "10" Ten Ways to freak out freshmen about finals week

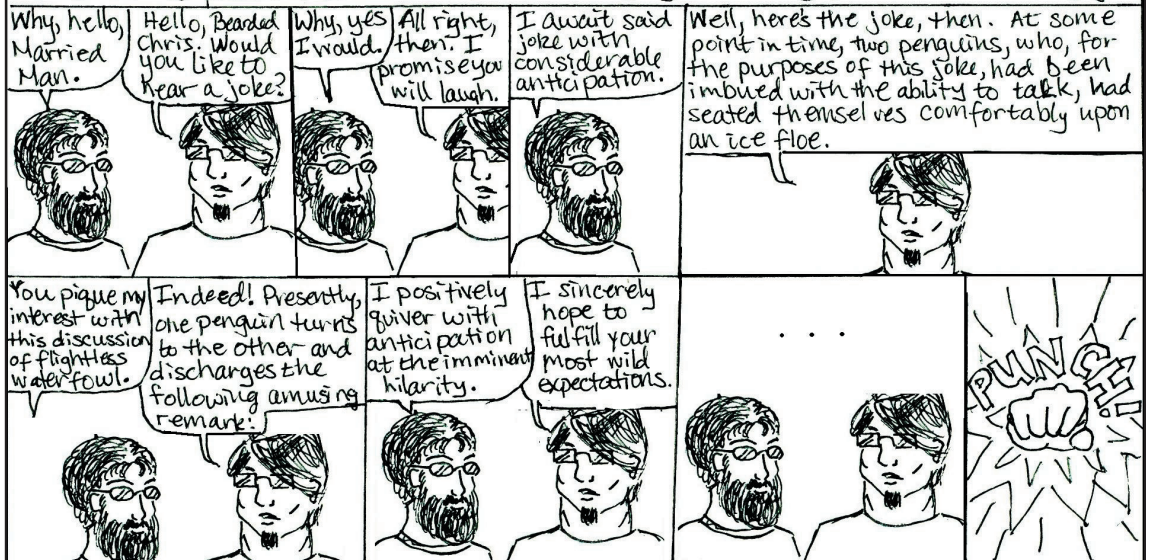
Matt Melton

Five years of finals later, still freaking out

10. Sell them power cords for their calculators because their batteries will never last.
9. Recount horror stories about freshmen who went into finals and were never seen again.
8. Make them in-class finals packages full of enough food and water to last a week.
7. Spread rumors that in preparation of finals week, all of Terre Haute has run out of Ramen,

6. Tell all the freshmen fake stats about finals such as average length and grades.
5. Tell them the real stats.
4. Constantly have them find upperclassmen curled up in the fetal position whispering "I see finals...I see finals..."
3. Pass out straight jackets to them "in preparation."
2. Have finals flashbacks. Randomly freak out in class yelling "No, wrong! It's all wrong!"
1. Remind them they only have to do this ten more times. Yay!

Author's Note: Some people have criticized Married Man™ as being unfunny because there is no discernable punchline. Always eager to please, we at MARRIED MAN, LLC, would like to present Married Man v.3.2 Beta for your reading pleasure. Share & Enjoy!



Carly Baehr - The actual punchline is "radar."