

Rose-Hulman Institute of Technology

Rose-Hulman Scholar

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Rose Thorn Staff

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THORN

Welcome to Rose-Hulman

To the Class of 2006:
Welcome to Rose-Hulman Institute of Technology.

Rose Hulman Institute of Technology is an outstanding educational institution. I believe it is the most exciting place to be in undergraduate engineering and science education.

In 1999, 2000 and 2001 U.S. News & World Report, listed us as the Number 1 engineering school, among those that give the baccalaureate and master degrees, but do not give a Ph.D. degree. Also, in 2000 U.S. News & World Report ranked departments. Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering were all ranked #1. We weren't ranked #1 in Agricultural Engineering, but of course, we don't have Agricultural Engineering.

Rose Hulman, known as Rose Poly for the first 100 years of its life, has always been on the frontier of engineering and science education. In the 1880's the first degree ever given in Chemical Engineering was given right here in Terre Haute at Rose Poly.

We have excellent minors in European Studies, East Asian Studies and Latin American Studies. We live in a very competitive world. We believe it is essential that our students have some understanding and appreciation for non Western culture. The Institute offers International Exchange Programs with: University of Stuttgart, Germany;

University of Magdeburg, Germany and Kanazawa Institute of Technology, Japan.

A revolution in the teaching of mathematics is occurring and Rose Hulman is leading the revolution through the use of computer algebra programs and the use of computer workstations in the teaching of calculus and differential equations. We were the first in the country to have the entire freshman and sophomore sequence taught with the aid of Computer Algebra Systems.

Many faculty members from other colleges and universities ask to come to the campus to learn about the use of Computer Algebra Systems as an aid to the teaching of engineering, mathematics and science education.

We were the first college or university in the world to require all incoming students to have laptop computers.

I would like to say a few words about our faculty. Our faculty has been selected on the basis of their ability for and commitment to teaching. Every faculty member has been selected on the basis of four criteria:

1. Dedication to undergraduate education;
2. Ability to communicate in and out of the classroom with students;
3. Enthusiasm for teaching;
4. Technical competence.

The faculty of Rose Hulman love to teach. A number of the faculty is nationally and internationally known scholars, but their primary love is classroom teaching.

At many educational institutions the freshman are taught by graduate students. You will never have a graduate student as a classroom instructor while you are here at Rose Hulman.

We use the very best classroom faculty in freshman and sophomore classes. Here are some facts about our faculty:

We have 1 faculty member for every 11 students; A few statistics about our faculty: 99% have Ph.D.'s, 42% drive compacts, 19% don't wear neckties, 27% are overweight, 31% are losing their hair, and 98% bathe regularly.

Their one common denominator is that they all love to teach.

At this time I would like to review with you our educational philosophy. Our goal is to provide an education that balances science and engineering with communication skills and humanistic studies.

So that you will have an awareness of the world around you and the impact of technology of society, we require a significant introduction to the humanities and social sciences. We stress oral, written and

graphical communication skills.

We attempt to provide extra curricular co curricular activities for all student interests with maximum opportunities to participate. Some of our best teachers are coaches, music directors, and club advisors.

We will try to give you an appreciation of the visual and performing arts. We have one of the country's finest watercolor collections. We will bring to the campus during the year a wide variety of performing arts programs.

We believe in giving the students a great deal of freedom and we have very few rules. The main rule is to always be a good campus citizen and don't infringe upon the rights of any other person. Obey the law of the land, including alcohol and marijuana. Although we have few rules, we expect those we have to be obeyed. We insist upon good citizenship!

The Institute values its reputation for moral leadership as much as its reputation for academic excellence and expects all persons associated with it to maintain the reputation. The Institute's Code of Ethics is simple and direct:

Rose-Hulman expects its students to be responsible adults and to behave at all times with honor and integrity.

We believe in trying to influence your values. We emphasize the values that have made this country the greatest in the history of civilization: Belief in God, freedom of religion, freedom of speech, hard work, honesty, loyalty, patriotism, the free enterprise system and respect for diversity.

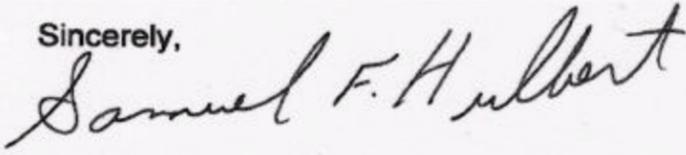
You are going to receive an excellent technical education. We are even more concerned about your moral, ethical, social and cultural development than we are about your technical education.

We believe that whatever man can dream, the engineer and scientist will eventually be able to accomplish. What the world needs are people who can dream bigger and better dreams. We want to nourish your creativity.

Rose-Hulman is a warm and fuzzy place, a caring nurturing place. Rose-Hulman is a family.

You have come to a very special place to go to school, that with your arrival just got better.



Sincerely,

 Samuel F. Hulbert
 President

Students continue activities at observatory



Photo courtesy Physics Department Oakley Observatory

Richard Ditteon Rose-Hulman Professor

Rose-Hulman students continue to be very active at the Oakley Observatory. Every Thursday night when school is in session, the Rose-Hulman Astronomical Society meets at the observatory. In addition to using the observatory equipment themselves, this student organization hosts visitors to the observatory and takes a portable telescope to local schools. The club also hosts special events such as the open house scheduled for Friday night at 8 pm. Everyone is invited to attend this open house, but especially freshmen who would like to learn more about the observatory and astronomy at Rose-Hulman.

The Physics and Optical Engineering department offers classes at the observatory. PH230 Introduction to Astronomy and Astrophysics is offered each fall. The laboratory portion of the course is taught at the observatory. Students in the class

learn to use all of the telescopes and cameras in the observatory. The course is open to all upper classmen and can be taken as a science elective in most majors. Enrollment is limited to 24 students.

Students can also enroll in directed research classes, PH290 for freshmen and sophomores and PH490 for juniors and seniors. Students at Rose-Hulman discovered 30 asteroids last year and the observatory was ranked in the top twenty observatories for the number of asteroid observations made. Since the observatory opened in 2000, students have discovered a total of 33 asteroids. This year six students were involved in making measurements of the brightness of asteroids. This work has resulted in a total of four papers being published in the Minor Planet Bulletin.

(Continued on Page 3)

EVENTS

Check out our calendar for campus events

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NEWS

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ENTERTAINMENT

Tune to the Monkey for your musical needs

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FLIPSIDE

I don't need no schoolin'!?

Page 8

WEATHER WATCH

THURSDAY

Partly Cloudy/Hi 81-Lo 61

FRIDAY

Mostly Sunny/Hi 81-Lo 64

information courtesy The Weather Channel

CAMPUS CALENDAR

					29	30	31
						New Student Orientation Move-In Dave & Rae	8:00 pm Main Dining Room Comedian: Preacher Moss
1	2	3	4	5	6	7	
6:00 pm Movie: The Goonies Kahn Room 8:00 pm SRC Nite at the Races	7:15 pm - 9:00 pm Main Dining Room "Never Ending Story"	8:00 pm- 11:30 pm Deming front lawn and street Street Dance	6:15-7:00 pm Union Patio Ice Cream Social 7:00-9:00 pm Union Student Activities fair	Classes Begin	8:00 pm Main Dining Room Comedian and Juggler Mark Nizer	VB Invitational FB vs Earlham 7 pm Hall of Fame SC Rose vs Earlham College 1 & 3 pm	
8	9	10	11	12	13	14	
8:00 pm Speed Lawn Outdoor Movie	Registration Deadline Hallymics Closed Men's Rush	8 pm Kahn Rm Sorority Information Night Hallymics Men's Rush Begins	Final Date to add a class 5:45 - 5:30 pm Circle K - FDR Hallymics Men's First Formal Cards Out	Hallymics	SAB Presents Evasons - Mentalists Rush Informals		
15	16	17	18	19	20	21	
	SAB Twister Tournament Closed Men's Rush	VB vs Franklin College 7 pm Men's Rush Informals	SC vs Hanover College 4 & 7 pm 5:45 - 6:30 pm Circle K - FDR	8 pm Sorority Make-Up Night - Kahn Rm.		FB @ Wheaton College VB @ Sewanee TN SC @ Anderson Univ., Noon & 2 pm	

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TEXAS INSTRUMENTS

CATHOLIC CAMPUS MINISTRY

ST. JOSEPH UNIVERSITY PARISH

MASS on Campus
White Chapel
7:00 p.m. Saturday
for Fresh Move In
August 31

For More Information...
Sr. Carmen Gillick, SFCC
Pastoral Associate For College Students
cgillick35@hotmail.com
Chris Denlinger, denlinc1@rose-hulman.edu
Kathy Wyrzykowski, kstbarone_wyrzykowski@rose-hulman.edu
Bocsa Frankl, frankin@rose-hulman.edu
Phone 232-7011
St. Joseph University Parish

The *Thorn* staff for the Freshman Orientation issue is as follows:

Editor-in-Chief:
Rachel Lukens

Copy Editor:
Luke Stark

Writers:
Eva Barlow
Drew Wright
Professor Diteon

Advisor:
David Piker

Thank you to all the RA's and SA's for delivering the *Thorn* to the Freshman.

SUBMISSIONS

Events may be published in *Events* by any organization or individual. Information on club meetings, lectures, speeches, and athletic events, including announcements of times and locations may be submitted to *Campus Calendar*, in care of Dale Long, associate director of communications, at Box 14 or extension 8418. More detailed articles containing plans, agendas, and specific information should be submitted to the *Rose Thorn*.

All submissions must be made by Wednesday at noon in order to be published in *Events* in the *Rose Thorn* on Friday.

Campus improvements keep Rose-Hulman on cutting edge

Rose-Hulman Institute of Technology's campus landscape continues its transformation this fall with new facilities for student music/drama groups and emerging microelectromechanical technology academic programs, and continued improvements of residence life and athletic facilities.

Hatfield Hall, the newest campus building, will be dedicated in November. The \$14 million facility, easily viewed by travelers along U.S. 40, will be home to all student music and drama performances, Fine Arts Series concerts, visiting speakers and other campus cultural events. It features a 600-seat auditorium, rehearsal rooms, an alumni hall, and department offices for development, external affairs and alumni affairs.

Previously, all student productions and Fine Arts Series concerts were conducted in Moench Hall Auditorium. "The future artistic possibilities in Hatfield Hall are enormous. It will be a great showcase of our students and their artistic talents. It is a dream come true," said Bunny Nash, director of Rose-Hulman's Drama Club.

Alumni will also enjoy the new alumni center, which has a two-story vaulted ceiling capped with a skylight. Information in the center will salute the many contributions of alumni and the college's rich history in the Wabash Valley.

Hatfield Hall is the latest in the largest campus development project in school history. More than \$70 million in new academic and student services facilities have been constructed, including the White Chapel (opened in 2001), a new residence hall, the Olin Advanced Learning Center, the John Myers Center for Technological Research with Industry, Oakley Observatory, and the Sports and Recreation Center.

In Moench Hall, the college's largest academic building, a new laboratory will soon allow Rose-Hulman students to explore emerging technologies in microelectromechanical systems (MEMS), the focus of a new academic program. A grant

from the W.M. Keck Foundation of Los Angeles made it possible to develop a new MEMS fabrication and application course and equip the new lab.

"MEMS will result in some of the most significant technical advancements of the 21st century . . . It is a technology that has been developed into a multibillion dollar industry," explains Azad Siahmakoun, professor of physics and optical engineering, who is coordinating the introduction of MEMS at Rose-Hulman. Students will design and fabricate simple MEMS devices using silicon wafers. Tiny mechanical devices with one or more moving parts can be fabricated on the silicon surface.

"To enable students to understand such tiny motions, we will require them to design, model and characterize the electrical, mechanical or fluidic behavior of MEMS," Siahmakoun stated. A scanning microscope will be used to enable students to examine their device during and immediately after fabrication.

Elsewhere in Moench Hall, an area once used as the auditorium will be remodeled as the new location for the college's rapidly growing computer science and software engineering program. The number of CSSE majors has tripled in the past eight years. The \$2 million project will result in 11,000 square feet of remodeled space for new labs for software engineering, operating systems, and computer networking. New classrooms and faculty offices will also be added.

Improvements to residence life areas include installing ceilings, doors and electrical systems in Deming Hall, the college's oldest residence hall. New carpet, windows and curtains are being installed in Scharpenberg Hall.

A new outdoor track will be completed in time for Rose-Hulman to host the Southern Collegiate Athletic Conference Sports Festival in late April. Part of the track installation includes improvements to Phil Brown Field, home to the Rose-Hulman football team.

MATH CORNER PROBLEM OF THE WEEK

Problem:

A continued fraction is an infinite quotient where there typically is a discernible pattern to the fraction, see the example below.

The continued fraction to the right solves a quadratic equation,

$$ax^2 + bx + c = 0$$

Determine the equation, and then use the quadratic equation to rewrite the continued fraction as a radical.

$$2 + \frac{1}{2 + \frac{1}{2 + \frac{1}{2 + \frac{1}{2 + \dots}}}}$$

Historical Fact: Finite continued fractions have been used throughout the ages by Arabic, Hindu and Western Civilations to obtain approximations for irrational numbers.

Contest Rules:

1. Contest is open to all students at Rose-Hulman.
2. The **best solution** as judged at the next Math Club meeting will receive an award. * (See **solution criteria** below)
3. Solutions must be submitted by 1:00 p.m. on Wednesday to David Finn at G 213.
4. Eligible Voters: All students at the Math Club meeting during 10th period on Wednesday in G 220.
5. If no correct solutions is submitted. No prize will be awarded.

Solution Criteria:

- Solution must be correct.
- Solution must be documented or explained.
- Clarity of solution. Solution should be easily understood.
- Elegance of solution. Number of steps should be minimized without affecting clarity.

***This is a sample question taken from last year's Math Corner problems. Look for updates in the Thorn!!**



**Welcome and good luck at
Rose-Hulman:
Laura T., Woj, Smitty, and Luke!!**

Observatory continued from page 1:

The research program at the observatory is expanding. This summer the American Astronomical Society gave Rose-Hulman a grant to purchase a new telescope. The new telescope should be installed some time this fall. Plans call for expanding astronomical research at Rose-Hulman to include measurements of variable stars and searches for supernovae.

From August 22 to August 25 the Oakley Observatory hosted the Minor Planet Amateur Professional Workshop. This is an annual meeting of astronomers from all over the world who are interested in studying asteroids and comets. The keynote speaker for the conference was

Jonathan R. Tate, the director of the United Kingdom's Spaceguard Centre.

Students with credit for discovering asteroids include: Myles Adams, Emanuel Bettleheim, Monica Gavala, Susan Hare, Jerina Pillert, Brandon Ross and Chris Wolfe. Students with published papers include: Antoine Bixby, Nathaniel Ellsworth, Stephen Hughes, Arin Sarros, Eric Tollefson, and Christopher Waters.

The Oakley Observatory is located on the East side of campus off Hunt Road. The director of the observatory is Professor Richard Ditteon. Contact Professor Ditteon with any inquiries.

**Ever thought of working on a newspaper?
The Rose-Hulman Thorn can use your help.
Layout, reporting, editing, and anything else
you can think of to make the paper stellar.
No experience is necessary. After classes start, we
meet on Wednesday in O-101 after 10th hour.**



Photo courtesy Physics Department

The telescopes of the Oakley Observatory awaiting an evening of stargazing.



Welcome to Rose

First National Bank can meet
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Student surveys provide valuable information

Rachel Lukens
Editor-in-Chief

Before classes even start, the freshman class will be taking tests. The Office of Institutional Research, Planning and Assessment will be conducting five tests to gather valuable data on this year's new students. According to Gwen Lee-Thomas, Director of Assessment, the information collected will range from pre-college educational experiences to learning styles. All of the data are combined to form aggregate data that can be interpreted statistically to provide valuable insights into the composition of the class as a whole.

Data from this type of testing have existed since 1989 here at Rose-Hulman. The responses can be used to track the certain characteristics about the students. For example, seven years ago few students had in-depth computer experience. Now, the majority of students have had access to computers and many have even had experience in programming. This type of information is invaluable to professors to help them understand what level of students they are teaching.

Three of the tests are paper copy and will be completed with scantrons and two of the surveys will be completed online. The

first one is the Student Information Questionnaire (SIQ). It covers basic personal information such as high school experiences and family background. Each question is viewed as important by the department heads at Rose-Hulman.

"We send the Student Information Questionnaire out to the department heads to see if there are any questions they want to add or change then we send the results to the faculty by the end of the first quarter," stated Lee-Thomas.

Although it seems as though students are encouraged to share a good deal of very detailed information, the Office of Institutional Research, Planning and Assessment operate under a very strict confidentiality agreement and only aggregate data are shared. An individual's response is impossible to acquire.

The Meyers-Briggs Type Indicator (MBTI) will also be administered. This helps to distinguish the personality traits like judging or perceiving, introvert or extrovert, and thinking or feeling. The results will be returned to the individual students and aggregate data from the survey will also be collected.

Another test is the Learning Environment Preference. Although at first glance, it appears to be very similar to the Meyers-Briggs, it is distinct because it fo-

cuses on the interactions with the environment rather than mental processes.

A new test is going to be included this year. It will test student's ability to visualize three-dimensional objects. The test will help professors to understand how many students might have problems with the graphical communications class EM100.

The other two tests will be done over the Internet. Students will be able to complete the online surveys at their convenience during the weeklong orientation. One test should be completed by Wednesday and the second should be finished by Friday.

The Office of Institutional Research, Planning and Assessment collects a wide variety of information about students throughout their time at Rose-Hulman to improve the programs, provide evidence of efficacy, and to collect information to assist in decision making on campus. The data collected are held in the utmost confidence. Although faculty and campus departments can request information, they are only given aggregate data. Student identification is only used within the Office of Institutional Research, Planning and Assessment to track student experiences and to merge the student data for longitudinal study.

LIMBING – UP 2002!

Overgrowth on city street trees can be hazardous. As part of its on-going campaign for public awareness on tree care and the beautification of Terre Haute, TREES Inc. will be heading up its annual effort to provide continuing care to those trees previously planted in the Adopt-A-Street Tree canopy campaign.

On Saturday, September 21, beginning at 8:15 a.m. from Dobbs Park on the east side of the city, ten (10) teams of four (4) volunteers each will be formed to trim 100 trees planted in 1997 to their proper street-tree height in neighborhoods around the city. Proper tree trimming techniques will be shown by experienced and trained

personnel at a session on Tuesday, August 27 at 5:30 p.m. at the residence of John Apgar at 2701 E. Moyer Dr.

Each spring since 1994, 100 trees have been planted through TREES Inc.'s canopy campaign in city tree rows with the partnership of local homeowners. For a \$25 adoption fee, the homeowner receives a tree valued at approximately \$200—planted and mulched at an approved site in their tree row, care instructions, facts about the type of tree and limbing up when the tree reaches a maturity for pruning.

If you have questions or would like to sign up to be a part of Limbing Up 2001, please call

John Apgar at 232-7599 or email him at apgarjohn@hotmail.com. If you would like to have more information on the Adopt-A-Street-Tree or other TREES Inc. projects, drop a card with your name and contact information to TREES Inc., PO Box 3683, Terre Haute IN 47803.

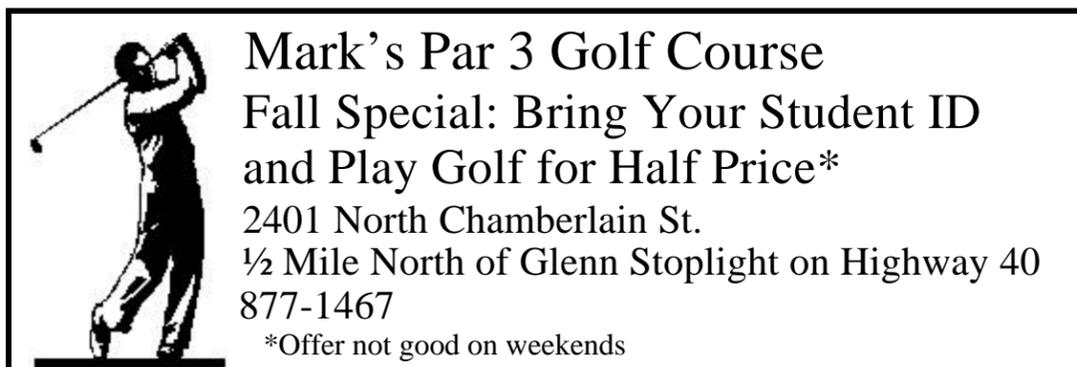
TREES Inc. Mission To beautify our homes and neighborhoods, improve the environment, and promote civic spirit. TREES Inc. Objective To work with the community and local government to improve the Terre Haute urban forest through environmental education and hands-on programs.

Article courtesy TREES Inc.



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Digital Resource Center brings professional quality to students

Eva Barlow
Staff Writer

Network printing isn't the only benefit of being a student at Rose. The Digital Resource Center (DRC) was opened in the fall of last year with the mission of helping students, faculty, and staff to make professional digital applications. The center also hopes to provide leadership in the development, implementation, and evaluation of course materials and initiatives focused on promoting excellence in education.

The center can assist members of the Rose-Hulman community to stream video production, digitize audio and video, scan and edit images, burn CDs in bulk, produce training material, and translate between several languages, including French, Spanish, German, Italian, Portuguese, and Japanese. High quality color printing is available for special projects.

A variety of projects have already been completed with the center's assistance. These include the development of a PowerPoint presentation using video and pictures for a memorial service, digitizing slide shows for up-to-date presentations in PowerPoint, digitizing video for web streaming, and translating material from Japanese to English for student course work.

All of this high level digital

work is accomplished using a variety of computers. Two Dell Dimension 8200 computers were purchased over the summer that provides CD and DVD burning. These machines also include various software packages. A Penquin Computing workstation provides the capability to capture and edit audio and video. Three high quality scanners are also available for use.

A full-time staff person, Nancy Bauer, is the DRC Project Manager. Student staff assistants are available to assist customers with their digitizing needs. The DRC staff plans to work collaboratively with the faculty, administrators, and technical staff to develop and adapt curricular and pedagogical strategies using technology where useful; provide guidance in curricular improvement and innovation; and sustain an environment supportive of teaching, scholarship, and academic excellence.

DRC resources are allocated to faculty members generating classroom materials, then to students preparing classroom presentations and scheduled training sessions. Accommodations for other activities will be granted as resources are available. To schedule an appointment for DRC resources, call Nancy Bauer at extension 8265. For additional information visit the DRC website at: <http://www.rose-hulman.edu/IAIT/DRC>.

Spanish Club offers fun, adventure, and diversity

Rachel Lukens
Editor-in-Chief

Are you interested in learning about different cultures, exploring ancient ruins, and meeting new people? Then, the Rose-Hulman Spanish Club is what you are looking for, and you don't even need to speak Spanish!

The Spanish Club does a variety of activities throughout the school year, including campus movie nights, excursions to museums in other cities, and a one-week study abroad course in Mexico.

The club advisor is the enthusiastic Professor Antonio de la Cova, who teaches Latin American Studies courses and is passionate about exposing students to a wide variety of cultures, both in and out of the classroom.

Last year, the club traveled to museums in Indianapolis and Chicago. This fall, they will visit the Latin American exhibit at the St. Louis

Museum of Art.

The movie nights, with free pizza and soda, depict foreign Spanish-language films with English subtitles.

Over Spring Break, the Spanish Club will sponsor their fourth annual Mexico excursion. Last April, the trip was part of a Humanities four-credit-hour course. Dr. de la Cova accompanied fourteen students to Yucatan, Mexico, visiting the cities of Merida, Cancun, and Izamal, exploring a dozen Maya ruins, and touring a 19th century henequen plantation.

The Spanish Club also provides campus guest lectures on Hispanic culture and events. Last year, in conjunction with the HSS Department, they sponsored presentations by west coast migrant labor organizers and a Bay of Pigs veteran.

For more information about the Spanish Club, stop by their booth at the activities fair on Wednesday, or check out their activities on the web at <http://www.rose-hulman.edu/Users/groups/SpanishClub/index.html>.



The Spanish Club exploring a Mayan ruin.

Photo courtesy Spanish Club

Freshman Guide to Music in Terre Haute

Drew Wright
Staff Writer

Alright freshmen, now that you are all moved in and ready to start your college career and tackle all that is Rose-Hulman, I know the first question on your mind (it was for me anyway) is where can I listen to some music around here? Well, that question is about to be answered in the form of an extensive (yeah right) music guide for you, the Rose-Hulman freshman.

For starters, it might be worth mentioning some, emphasis on some, of the bands around the area that it would be worth your precious time to check out. Since I am partial to the harder stuff, I think I will start there. First up is Terre Haute band, deadofwinter (www.deadofwinter.org). They play an intensely driven brand of hard rock combining elements of metal, hardcore, indie rock, and emo that sometimes get lumped into the "emotional metalcore" genre.

As you read this, they will be finishing up work on their first full-length album that will be released independently in the fall, titled "The Indifference of Good Men." Be sure to catch their live show at all costs, as it is fun for the whole family. Stay tuned to the Thorn for any information regarding their upcoming shows.

The next band that I would like

to introduce to you all is a solid black metal outfit that goes by the name of Dreaming of Dragons (www.dreamingofdragons.com). They have played several of the larger American festivals, including an appearance at one of the world's premier extreme metal festivals, the Milwaukee Metal-fest. They, too, have recently finished recording a full-length album, but I am not sure on any kind of release date. If you are into symphonic black metal, but tire of the constant, cheesy keyboard work of bands like Cradle of Filth, then be sure to give these guys a listen. Keep an eye out for them as they frequently play bars around the Terre Haute area.

You say the loud stuff isn't exactly your cup of tea? Then here are a couple of bands that might tickle your fancy. Canterbury Effect (www.canterburyeffect.com) is probably one of the better-known bands in the area, having released an album on Pluto Records a few years ago and recently completing a leg on the Warped Tour. Theirs is an upbeat indie rock/emo/post hardcore style that might be loosely (very loosely) compared to current media darlings, Thursday.

Sharing a drummer with Canterbury Effect and playing a similar, though mellower, brand of rock is The Graveyard Heart. Currently, this great young band only

has about five songs, but they are constantly writing new material and are even looking to record sometime in the near future. The high point of this band, to me anyway, is the incredible voice of their lead singer, whose gospel-like vocals add another layer to the already well-structured music. This is definitely a band to be on the lookout for in the upcoming years.

Still not satisfied? Be sure to check out all of the music series events that Rose and ISU put on, including symphony orchestras, jazz bands, and choral productions. I think you'll be pleasantly surprised in all of the opportunities that you might find on a weekly basis.

Now that you know a few of the local bands, you need to know where you can see them play. Venues here in Terre Haute are few and far between, so I am going to concentrate on some of the best regional places to catch a show. Indianapolis is the closest city, so that is a good place to start.

Apart from the huge arenas and amphitheaters sprinkled throughout the city, Indianapolis has a few good smaller venues to see some lesser-known bands in a more intimate environment. The largest of these is The Emerson Theater (www.emersontheater.com). Located on the east side, this all ages

venue can hold about 400 people and features local and national hard rock and metal acts. The crowds are usually a good size, but the venue rarely sells out.

Also on the east side is Festivilla, a small room with multiple stages in the corners that focuses on punk and hardcore acts, mostly local. The sound is usually pretty sub-par, but the community atmosphere and great bands more than make up for that. For rock acts, The Patio (www.thepatio.ws) is a pretty cool place to see some of your favorite bands.

If you feel like driving a little more, Chicago is chock full of great venues. Any trip to Chicago would be incomplete without stopping by the legendary Fireside Bowl. Housed in an old condemned bowling alley, hence the name, the Fireside is unofficially referred to as the CBGB's of the Midwest. Bands of all types frequently play the Fireside and it is truly an experience to see a show there. While in Chicago, also be sure to check out the Metro (www.metrochicago.com), an old theater that has been transformed into a kick-ass, medium sized venue with fantastic sound.

Okay, we have talked about bands and venues. Now I think we should look at what's probably the best thing about music in a college town, the radio stations. Beholden to no one, these stations are free to

play some of the best music out there: alternative, punk, metal, you name it - all commercial free. I think I am going to start with Rose-Hulman's own station, WMHD 90.5 FM, "The Monkey". The Monkey plays a complete mix of music, with nightly slots concentrating on recent releases, loud rock, and electronica. You will be able to find charts for these respective genres in the Thorn in the weeks to come. Be sure to listen up to hear lots of great music from some extremely talented independent and commercial musicians.

If WMHD does not quite do it for you, Indiana State's station, WISU 89.7 FM, might have what you are looking for. During the days, WISU features extensive jazz and blues programming, while their nightly programming focuses more on modern and hard rock. WISU also plays a considerable amount of hip-hop over the weekends.

Phew, that about covers it! Congratulations if you made it through this far. Please be sure to check back with the Thorn every week for music news, show listings, and album reviews. Next week I will give my exclusive summer festival wrap-up! You know you are excited. Until then, have a wonderful first week of school and remember, nothing accompanies all night study sessions like some great music.

90.5 FM THE MONKEY WMHD									
	MON	TUE	WED	THU	FRI		SAT		SUN
2:25			World Report	CALL 877-VERN with REQUESTS					
3:20			Full Album Coverage						
4:15		Sports		Classical	2:00	Listen to find out			
5:30	Jazz	Classical	Industrial		TMBG	4:00	Jazz	5:00	Bluegrass
7:00	RADIO EVOLUTION The newest music including this week's TOP 30 albums					6:00	RADIO EVOLUTION Top 30 New Albums		
8:30	MONKEY HAUS ROCK loud rock—punk—metal—industrial—hardcore					8:00	MONKEY HAUS ROCK loud rock & punk		
10:00	GROOVE QUADRANT electronica—DJS SPINNING LIVE—techno					10:00	GROOVE QUADRANT techno & electronica		
12:00		Hip Hop	BE a DJ , It's Fun! Call 877-8350						

WMHD 90.5 FM presents: Loud Rock Top Ten

(8-26-02)

Pos.	Artist	Title
1	Dark Tranquillity	Damage Done
2	Zao	Parade of Chaos
3	Sentenced	The Cold White Light
4	Love Lost But Not Forgotten	Upon the Right, I Saw a New Misery
5	Meshuggah	Nothing
6	Cattle Decapitation	To Serve Man
7	Endthisday	Sleeping Beneath the Ashes of Creation
8	Cephalic Carnage	Lucid Interval
9	Agalloch	The Mantle
10	Eighteen Visions	Vanity

WMHD 90.5 FM presents: The Top Thirty Songs

(8-26-02)

	Artist	Title
1.	Sleater-Kinney	One Beat
2.	Interpol	Turn on the Bright Lights
3.	Dark Tranquillity	Damage Done
4.	Sixteen Horsepower	Folklore
5.	Zao	Parade of Chaos
6.	Sentenced	The Cold White Light
7.	Spoon	Kill the Moonlight
8.	Love Lost But Not Forgotten	Upon the Right, I Saw a New Misery
9.	Beth Orton	DayBreaker
10.	Pulp	We Love Life
11.	Meshuggah	Nothing
12.	Haven	Between the Senses
13.	Cattle Decapitation	To Serve Man
14.	Les Sans Culottes	Faux Realism
15.	Endthisday	Sleeping Beneath the Ashes of Creation
16.	Me Without You	[A→B] - Life
17.	Flaming Lips	Yoshimi Battles the Pink Robots
18.	Sonic Youth	Murray Street
19.	Sparta	Wiretap Scars
20.	Stryder	Jungle City Twitch
21.	MaryKate O'Neil	MaryKate O'Neil
22.	MeLusky	MeLusky Do Dallas
23.	Fairweather	Alaska
24.	Dureforsog	Engine Machine
25.	Uptown Sinclair	Uptown Sinclair
26.	Lava Baby	Big Muff
27.	Lone Pigeon	Conbume Rice
28.	Twinmen	Twinmen
29.	Death by Chocolate	Zap the World
30.	Moncheeba	Charango

Rose-Hulman Selected as One of America's Most Interesting Colleges

The editors of a new publication titled, "The Unofficial, Unbiased, Insider's Guide to the 320 Most Interesting Colleges," describe Rose-Hulman Institute of Technology as "a science powerhouse" and a college where a degree holds a prestige few other schools can match.

Selection of colleges and universities to be included in the book, published by Kaplan, Inc./Simon and Schuster, was based on a national survey of high-school guidance counselors, candid student observations about the academic and social life on campus, and school profile information and expertise of the co-authors. Colleges are not ranked, instead a two-page profile provides information about academics, campus life, admissions requirements and career opportunities.

The guide is co-authored by Kaplan, Inc. executives Trent Anderson, vice president for publishing and e-Ventures; and Seppy Basili, vice president of learning and assessment. Kaplan is a national provider of educational and career services. It is a subsidiary of The Washington Post Co.

Other institutions selected for the guide include Harvard, Duke, Northwestern, and

Princeton universities along with Massachusetts Institute of Technology and Cal Tech.

In the Rose-Hulman profile, Anderson says, "Employers and graduate schools in engineering look upon Rose-Hulman as their training ground. Excel here, and you'll impress everyone." The authors note that Rose-Hulman, "consistently wins the title of best among engineering schools that don't have a doctoral program." The guide cites the excellent job opportunities for Rose-Hulman graduates and internships for students before they graduate. According to the authors, "Rose-Hulman students are in heavy demand for internships with students assuming quite a bit of responsibility during their learning experiences." The numerous multimillion dollar campus projects to build new academic and student life facilities were also cited by the authors, "Rose isn't one of those engineering schools bunkered in gray strong buildings."

The co-authors created the new guide so that, "students can quickly learn which schools they should be considering and which schools they should avoid."

The guide is now available at bookstores nationwide.

Album of the week

Drew Wright
Staff Writer

Norma Jean
Bless the Martyr and Kiss
the Child
* * * *

Hello all, and welcome to the first installment of weekly album reviews in the Thorn, where you can stay up on all of the late-breaking music as it comes out, or learn about some classic albums that you might not have heard before. The album this week comes from a well-known metalcore band that goes by the name of Norma Jean. If that name doesn't sound too familiar, they used to be called Luti-Kriss, but due to the confusion with rapper Ludacris, the band decided to change monikers sometime last year. Getting their start in Atlanta's hardcore and underground Christian scenes, reports of the band's jaw dropping live shows soon began to spread as they took to the road and branched out. After releasing a split on Pluto Records, Norma

Jean was picked up by Solid State Records, home at the time to major acts like Zao, Living Sacrifice, Stretch Armstrong, and Embodiment. It was here that they released their debut full-length, 2001's "Throwing Myself".

While it was a very solid effort from a young and talented band, it did not even begin to compare with their live presence on stage. That being pretty much the only criticism the album received, the band went back into the studio in the Spring of 2002 to create a more technical, intense, and heavy album. The result was "Bless the



The cover of *Bless the Martyr and Kiss the Child*.

Martyr and Kiss the Child," Norma Jean's latest stunning offering to the rock gods.

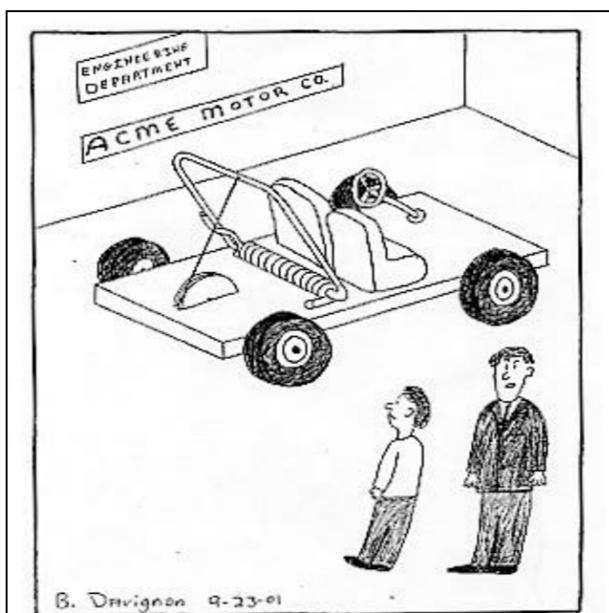
Expanding on the static chaotic assault that marked their previous releases, the band chose to incorporate a little more melody and ambience on this album. They did this by using some piano tracks, more structured riffing, and a few muffled singing/ moaning parts, giving a few songs, like "Pretty Soon..." and the closing track, "Organized Beyond Recognition", an almost epic feel. But don't get me wrong, this album is brutal from the start, leaving the listener feeling aurally assaulted (in a good way, of course) after the hour-long ride.

The album was recently added into heavy rotation at WMHD, so be sure to tune in and check it out (ahhh, good old shameless self-promotion). Some tracks guaranteed to get you going are (paraphrased because they are really long): "The Entire World is Counting on Me", "Memphis Will be Laid to Waste", and "The Human Face, Divine". R.I.Y.L.: Zao, Dillenger Escape Plan, Coalesce.

www.toothandnail-mailorder.com

Top Ten Reasons You're at Rose

- 10 Terre Haute is cool
- 9 If the punk band doesn't take off, at least you have a backup plan
- 8 Something about this being a really good school for learning?
- 7 You heard a little rumor that Health Services gives out free drugs
- 6 You simply had nothing better to do with \$33,000
- 5 Engineers get all the hot dates
- 4 The Rose network makes you drool
- 3 The Laptop....yeah, we know why you came here.
- 2 You always thought Cruisin' the Bash would be a great way to spend Friday night
- 1 You always wanted to drive a train.
(Rachel where did that come from?)



Just thought I'd add a little old school to the new school. Ok, I'm lost now, someone tell me why?

I was just going to put a black box here, but decided not to.

"Luke, I am your father."

Do you realize how many times I've heard that joke in my life? Or, "Use the Force Luke." Like I haven't seen the movie or read the novels. Quote me something a little different!



Random photo of nachos.

Hello Freshman this is your first copy of the FlipSide and yer probably wondering why the rest of the paper is the wrong way up. Well, we don't particularly know. It just happens that way.

Anyway, I'm Luke the Puke and this is my edition of the FlipSide. Normally, I'm doing something else...like taking things out of the FlipSide (Ya know we do have to edit everyone just for fun...), but as I can't locate the usual humor guy; you get me. That's good and bad. Bad because it's 2:00 am and I'm starting to get a little slap-happy. That's why this is making so much sense to you and me. I congratulate you on getting here to Rose. We're out in the middle of nowhere and I can understand how that could be unnerving to some of you, and I just want you to remember that no matter what anyone says: the Geese hissing at you is a good thing. They just want to get petted.

Ok, back to the important stuff. Read the Wacky Prof. Quotes and write down everything that you hear from a prof. because it could possibly be on the FlipSide one day. You'll notice the Top Ten; they very rarely have anything funny in them, but hey we're only a bunch of engineers trying to write.

Even though we know that you'll only remember what you read on this page, please take the time and look at the pretty pictures in the rest of the paper. (I'm really not all that funny. How did I get stuck with this gig anyway?) I'm wondering, does anyone know where I can get a Singing Steel Vambracer for really cheap and did I spell vambracer right? Back to the FlipSide.

I suppose it's time to say goodbye because I know that once someone sees this in print I will forever be banned from writing stuff for the FlipSide again. I had fun, did you?

Just because I can: Lukus Pukus Pile of Mucus. I know that just sickend many of you, but I had to put a totally personal joke in the paper. It's only natural.

Good luck and I hope you forget every word above this and just remember that the rest of the page is compiled from old issues of the FlipSide.

Luke the Puke

Warning: This issue of the FlipSide is only funny after having been awake for 24 hours.

Wacky Prof Quote

"The next five minutes and only the next five minutes is why this class is required for E.E. majors."
--Prof. Bremmer, well, we had to print at least one last Bremmer quote...

When your profs say something wacky e-mail it in and see if I care!

flipside@rose-hulman.edu

BTW I really do care, and would like nothing more than to print Wacky Prof. Quotes because prof. quotes require no work on my part.

This Week in the News

Someone shouted: "Oh, oh, I see! Running away, eh? You yellow bastards! Come back here and take what's coming to you! I'll bite your legs off!"

Random movie quotes are great.

This Week in History

One year ago classes began and life ended. Most of the Freshmen fell apart realizing that class was just another term for torture and that homework means no sleep.

This Week's Random Box

Yesterday was the eleventy-first day until the release of Two Towers. For those who don't understand Hobbit that means yesterday marked 111 days until The Two Towers is released to theaters.