

Rose-Hulman Institute of Technology

## Rose-Hulman Scholar

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Fall 10-5-2001

### Volume 37 - Issue 5 - Friday, October 5, 2001

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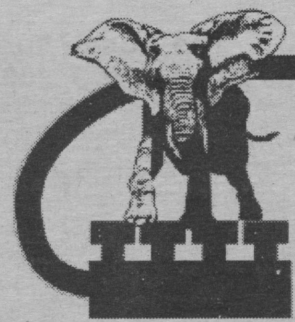
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T H E R O S E

# THORN

VOLUME 37, ISSUE 5

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

TERRE HAUTE, INDIANA

FRIDAY, OCTOBER 5, 2001

## White Chapel dedication to be broadcast live via the web

David Piker

The dedication Sunday of the new White Chapel will be broadcast live beginning at 4 pm on the Rose-Hulman web site. This will be the first time video and audio of a campus event will be broadcast live on the college's web site. Audio broadcasts of Rose-Hulman athletic events have been distributed via the web site for the past five years.

The dedication ceremonies can be viewed from off-campus computers by accessing the main college web address ([www.Rose-Hulman.edu/dedication/chapel](http://www.Rose-Hulman.edu/dedication/chapel)). For students and others using computers on campus, the dedication can be viewed via a special web account ([www.Rose-Hulman.edu:8080/ramgen/encoder/white\\_chapel.rm](http://www.Rose-Hulman.edu:8080/ramgen/encoder/white_chapel.rm)).

The hour-long webcast can also be viewed Sunday on a large screen in the Kahn Room of the Hulman Union.

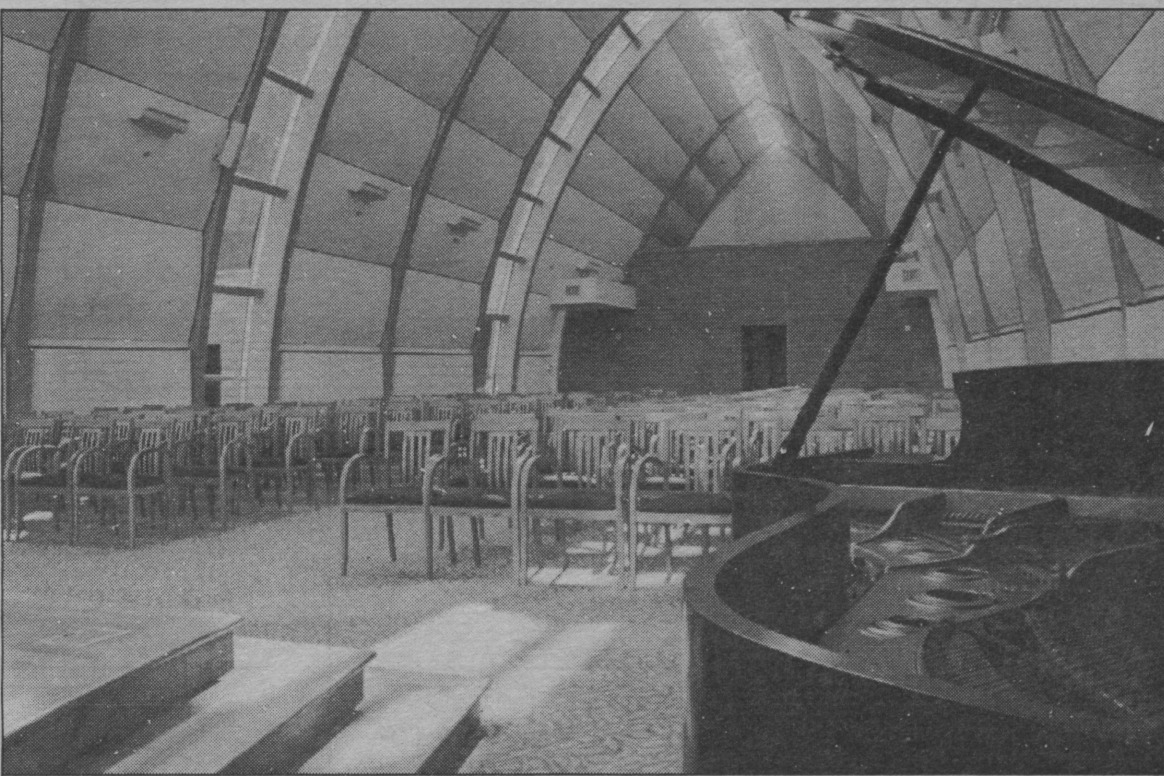
Forty student leaders representing a variety of campus organizations will be among the capacity crowd of 200 who will attend the dedication. SGA President Casey Behringer will be among those expressing appreciation to the

donors who have made the chapel a reality. Other students taking part in the program will be Ryan Brown and Teresa Neal, who will deliver inspirational readings. The Rose-Hulman Chorus will also be featured. Faculty involved in the program include mechanical engineering professors Andy Mech and Patricia Brackin. Master of ceremonies will be Mark Richter, vice president for development and external affairs.

A dinner in the Hulman Union will follow the dedication activities. A 14-member student chamber group from the Rose-Hulman Concert Band will be featured at the dinner.

The White Chapel was opened on Aug. 25. The building's gleaming stainless steel arched roof, the unique skylights and the beauty of its location have already made the White Chapel a popular campus site.

The chapel was made possible by a lead gift of \$1.5 million from Rose-Hulman alumnus John White and his wife, Elizabeth. John White, a 1947 mechanical engineering graduate of Rose-Hulman, is



Don Harrington / Thorn

The dedication of the White Chapel will be broadcast live via the Rose-Hulman website this Sunday at 4 pm.

president of Hydro-Power Inc. in Terre Haute. The White's son, Steve, is a 1973 Rose-Hulman graduate. Their granddaughter, Anne, is a Rose-Hulman junior majoring in mechanical engineering.

The 4,800 square-foot, five-

story chapel's arched roof is covered with diagonally placed stainless steel panels. Skylights are located the entire length of the building's roof ridge. The east wall of the building is made entirely of glass providing a stunning

view of the campus lake and Hulman Union building. The chapel is the ninth building constructed or renovated at Rose-Hulman in the past five years.

## Master Plan: Constructing a new campus

Crystal Landreth  
Staff Writer

Plans for Hatfield Hall and the outdoor track replacement, which should be under construction by November, are not the only future plans for the Rose-Hulman campus. A Master Plan, with the objective of maintaining the academic, housing, and sports sectors, has been developed. The Master Plan is a long-term project, which will be

revised every five years to accommodate for the changing needs of the school.

During the last six years, Rose-Hulman has undergone several changes in its facilities. Large projects such as the Hulman Memorial Union expansion, the Olin Advanced Learning Center, the Sports and Recreation Center, and the New Hall were successfully accomplished. And the current project, the White Chapel, has recently

been completed. Despite all of the recent improvements, Rose-Hulman continues planning bigger and better projects.

The facilities department would like to have traffic lights installed at the main entrance by the end of this year. Also, within the next few years, they are looking to construct a new applied biology, biomedical, and chemistry building, make major renovations to Crapo and Moench Halls, and construct a

new mathematics building.

Mirroring the new Olin building, the 46,000 square foot, two-storied new biology and chemistry building will consist mainly of labs. Construction is scheduled to begin in July 2003.

Logan Library will have three major changes: the entryway will be expanded, the Homework Hotline space will be remodeled, and windows will be added.

*Continued on Page 3*

## Kahns challenge alumni to support track renovation

Chris Scribner  
Staff Writer

Robert and Louise Kahn, in an effort to spur donations for the renovation of the track circumscribing Phil Brown Field, have initiated a challenge fund in which they will match, dollar-for-dollar, every donation made by alumni for the project, up to

\$100,000.

In its current condition, the track is inadequate; preventing Rose-Hulman from hosting track meets for the past several years. Rose is to host the 2003 Southern Collegiate Athletic Conference Spring Carnival, for which the completion of the track is vital.

The 1.1 million dollars are

being raised not only to resurface the track, but also to improve the quality of the field. New scoring and timing apparatuses are planned, along with the construction of a drainage system for the football field and the relocation of the north bleachers.

Many students are familiar with the name Kahn due only to

the familiar Kahn Room. Robert Kahn graduated from Rose-Hulman in 1939 with a Chemical Engineering degree, and has since received an honorary doctor of engineering degree from Rose.

Alumni who wish to make contributions to be matched by the Kahns are to contact Rose-Hulman's director of development, Bruce Landis.

## Indiana blood center says thank you

To All Donors,

On behalf of my grateful patients in our area hospitals I would like to thank all those who donated for us at the blood drive.

By your donation, you have given something to as many as four patients. For the accident victim or the hemorrhaging mother, red cells from your blood may mean life itself. The cancer victim receiving platelets will see another year because of your gift. For open heart surgery patients, plasma is essential and your donation is irreplaceable. Cryoprecipitate that helps control a hemophiliac's bleeding is the gift of a lifetime.

The gift many of us have is good health, which is the gift you've given. For that, we thank you on behalf of the patients whose lives you've saved.

With Appreciation,  
Cathy Beemer

### ENTERTAINMENT

Indy's need for speed: The US Grand Prix

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### OPINIONS

Campus bandwidth

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### SPORTS

Raymond Chin makes waves on football field

Page 7

### FLIPSIDE

Caught eating in ARA

Page 8

### WEATHER WATCH

FRIDAY

Heavy Rain/Hi 65-Lo 39

SATURDAY

Partly Cloudy/Hi 58-Lo 27

Information courtesy The Weather Channel



# CAMPUS CALENDAR

					5 Symposium "Lead Free Solder" Myers Presentation Room 9:00 am	6 Midterm progress reports  The Sagee Piano Trio Moench Auditorium 7:30 pm
7 Chapel Dedication 4:00 pm	8 Closed Rush	9 Registration for Winter Classes  Explore Engineering Myers Pres. Room 7:00 pm  Career Services Kahn Room 6:00 pm	10 Greek Speakers Series James Malinchak 8:15 pm	11 Fall Break	12 Fall Break	13
14 National Collegiate Alcohol Awareness Week	15 Closed Rush  Final Date to Drop a Class without penalty	16	17 Career Fair SRC	18 Yearbook Photos in Union 8:30 am - 4:30 pm	19 Fraternity Second Formals  Yearbook Photos in Union 8:30am - 4:30 pm	20
21 Fraternity Second Formals	22 Closed Rush	23 Fraternity Bid Day	24	25	26 Drama Club Performance	27

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White Chapel  
MASS

at  
ROSE-HULMAN

SATURDAY, October 6, 5:00 p.m.

Followed by Cookout  
at Picnic Shelter



MORE INFO:  
James McShane [james.mcshane@rose-hulman.edu](mailto:james.mcshane@rose-hulman.edu)  
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Sr. Carmen Gillick [gillick3@hotmail.com](mailto:gillick3@hotmail.com) 232-7011

## 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.



Master Plan: continued from first page

Moench also will soon be renovated, with the possibility of relocating the computer science department to the second level and the humanities department to the first floor level of Moench "F".

A new three to four-storied mathematics building will be located behind Logan Library with joining entrances to both Logan Library and Crapo Hall. The building will contain a computer center and several classrooms in addition to the mathematics department. The scheduled date of construction is July 2005.

Starting with the construction of a new entryway, plans to renovate Crapo Hall have been made. Eventually all three levels will be remodeled and windows added.

Within the next five to ten years, the facilities department would like to create a new entrance into Hadley Hall, a four level parking garage with a possible walkway into Moench Hall, and a new vehicular bridge across Lost Creek near the facil-

ities building.

The facilities department also has several more long-term projects. Within the next ten to fifteen years, the department is looking to expand Myers Hall to connect with Moench Hall, replace Skinner with apartment style buildings, replace BSB and Speed with landscaping, build two more residence halls, and create a new campus entrance east of Bigfoot.

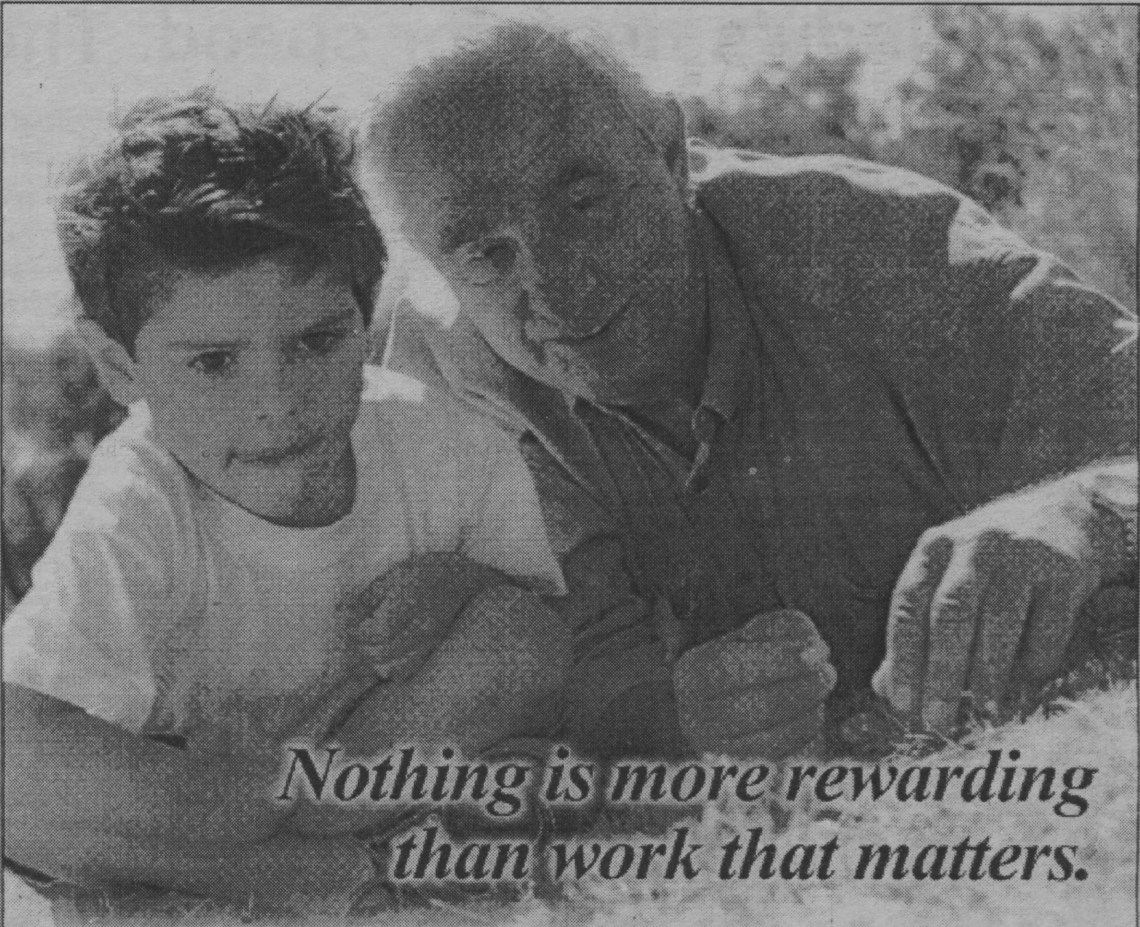
While these long-term projects aren't concrete, they are future goals that can and will be revised throughout the years. Many of the planned changes seem unrealistic. It is hard to imagine the campus without BSB or with a parking garage. However, Rose-Hulman has been successful with other goals, and the Master Plan will be no different. Assuredly, ten years from now, Rose-Hulman will nearly be a brand new campus. Recall the extent of what has been completed in the last six years. The Master Plan will become reality.

Coffee shop now open

Alison Burgess  
Staff Writer

The Rose-Hulman coffee shop is open in the game room of the lower level of the Union. It is open every weekday during 1st-4th hour and every night from 5-11 pm. The coffee shop offers cappuccino, lattes, flavored tea, Italian soda,

French soda, hot chocolate, and even coffee! A small cup of coffee will cost just \$0.50 and a large French soda costs \$1.65; everything else is somewhere in between. Flavoring can be added to cappuccinos and lattes for \$0.30 to make those drinks even better. The coffee shop is sponsored by SGA. Come on in and check out the coffee shop.



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# Indy's need for speed: The US Grand Prix

**Jason Caron**  
Staff Writer

In ancient days, monarchs flocked to see the entertainment provided by races fit for royalty. Today, royalty in Europe is still around, although in small numbers. Yet there are only a few events that remain fit for royalty. One of these events, attracting the most distinguished and wealthy worldwide, is the Formula One Grand Prix.

1991 marked the last year of Formula One racing in the United States. As the high-pitched whines were silenced in Phoenix, AZ, they were not to return for many years. Then, the new millennium marked the return of Formula One to America with the addition of a circuit track at Indianapolis Motor Speedway last year. While still not as popular as the acclaimed Indy 500, over 225,000 fans showed up for the first race in the U.S. in almost a decade. And once again, the sound of pure power returned to America.

Last year's United States Grand Prix marked the occasion of several events. Formula One point leader Mika Hakkinen suffered an engine fire around Lap 26, lowering his 2-point lead over Michael Schumacher and ultimately losing it. Michael Schumacher ultimately went on to win the World Championship.

2001 marked the second year of Formula One in the United States. Needless to say, there was more hype about the event after the previous year. Unfortunately, the events of September 11th played heavily on attendance. Many foreign individuals who normally would have attended the USGP decided not to, fearing more violence. Several of the individual drivers also expressed hesitation about attending the event. But ultimately, all twenty-two members of the scheduled grid were on the line on the day of the race.

There is a distinct difference between open-wheeled racing (F1, Indy cars, etc.) and NASCAR. Obviously, weight and aerodynamics play a more significant role in the design of the cars. Another difference is the design of the tracks. With the exception of three races, all of NASCAR's racing events take place on oval or tri-oval tracks. Open-wheeled racing tends to occur more on circuit courses, such as the middle of a major city, with various oval races such as the Indy 500 also included in the season.

Being an avid race fan, I made it a point to secure a seat in this year's race. While I have been to many racing events in my lifetime, this was a definite first for me, although I have always been an admirer of Formula One. My main attraction to F1 is obvious, the unique sound of the engines. Your basic everyday family car engine red-lines around 7-8,000 rpm's, while F1's run an average red-line of around 18,500 rpm's. The resulting sound will make your ears ring and bring chills to your spine with anticipation of the speed of these beasts. While looking quite similar to other open-wheeled vehicles such as those in IRL or CART, the similarities end there and are purely exterior.

Inside, the engines that power

these things are enough to amaze even the most seasoned racing fan. 10-cylinder, 3-liter engines run on unleaded gas (not the kind that you find at the gas station either) and pump out around 830 horsepower. Conversely, Indy cars use 8-cylinder, 3.5-liter engines that produce around 650 horsepower and run on methanol. With F1's also weighing in over 400 pounds lighter than Indy cars, the result is a car built for racing circuits such as the one created at Indy Motor Speedway using portions of the massive infield in the middle of the oval track.

these someday). These 400 horsepower cars put on quite a show, giving us a glimpse at what Ferrari's look like when they wreck. By the end of the race, three of the cars had damage of some sort. It was then time to return to our seats for the main event.

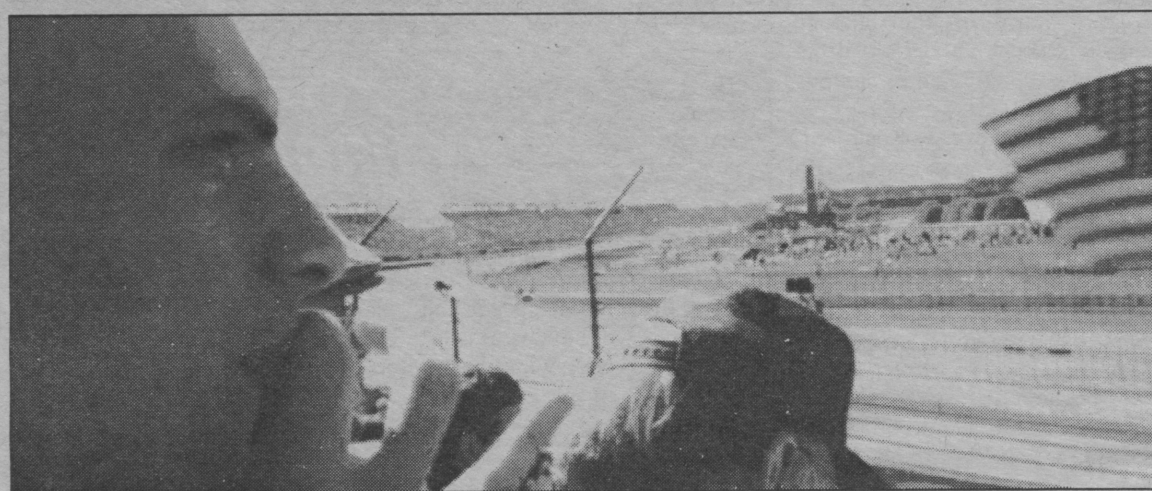
There are significant differences between the rules of F1 and those that we usually see in other races like NASCAR and CART. With my only open-wheel race experience being CART's Cleveland Grand Prix, I was in for quite a shock. A key factor in F1 racing is time. There seems to be a

are no celebrities commanding drivers to start their engines. There are no final laps where fans wave at the drivers before the pace car pulls off. There are no break points where cars accelerate towards the waving green flags. No, this time, 11 teams of two drivers each line up in the positions they qualified for the previous day on white lines painted specifically for this purpose. Every driver watches a set of lights hanging from above the start/finish line. Red lights turn on, one by one in a five-second countdown, then extinguish to signal

the clearly successful Ferrari team. Next up is Michael's younger brother Ralf Schumacher, also from Germany (obviously). Ralf has several wins this year already. His teammate is former CART driver and F1 rookie Juan Pablo Montoya from Columbia. Montoya took the CART championship in 1999 and won last year's Indianapolis 500. He quickly proved his worth when he took the lead from Michael Schumacher in his third Grand Prix. Finally, Montoya received his first victory in Monza, Italy a few weeks before his start here in Indianapolis. He and Ralf make up the Williams BMW team.

Making up the prominent McLaren-Mercedes team is Finnish Mika Hakkinen, who has several world championships under his belt, and British David Coulthard, who was in contention for the points championship until Michael Schumacher won in Hungary. Both drivers have suffered various mechanical problems throughout the season. Additionally, Hakkinen mangled his car in the warm-up session before the race by running it into the tire barrier and had to start the race with his back-up car. A pit lane penalty caused officials to throw out his fastest qualifying time and made him start fourth in the grid.

A final mention goes to Eddie Irvine, Michael Schumacher's former running mate, and Pedro de la Rosa (a back-up driver who replaced another driver that left the team) of team Jaguar.



Pete Smith / Thorn

Nikos Tsakiris at the Indianapolis Motor Speedway wishing he were watching this race in Greece.

We arrived at the track early enough to beat the crowds and found (in my opinion) the best free parking spot possible in a residential area several blocks away. After a quick stop at the vendors (i.e. Ferrari Merchandise Booths), we entered the speedway and proceeded immediately to the Rose-Hulman stand located behind the seating area. After a quick bite to eat and a picture with Dr. Hulbert, we heard the unmistakable sound of F1 engines and proceeded to our seats.

My first sights ever of F1 live were flashes of color and the ear-shattering whine of the engines as the cars accelerated off the final turn for the front straightaway. This could possibly be one of the most awe-inspiring scenes I have ever witnessed in my entire life. We were witnessing the final F1 practice session before the USGP began. Following the practice session was the Porsche Pirelli Supercup (Pirelli is a tire company) consisting of a race of 911 GT3 Turbos. Compared to the previous F1 practice session, these cars seemed to be traveling at the speed of go-carts, even though we all knew they were hitting speeds well over a hundred miles per hour.

As soon as the Porsche race was concluded, we walked to the infield area by the museum. There were more vendors and various stands set up by competing racing teams. Most of the big-name teams are actually car companies, the most popular of course being Ferrari, Williams F1 (BMW), McLaren-Mercedes, and Jaguar. So you can imagine the stands we found when we reached the infield area. It was almost like an auto show.

The latest models of both Mercedes-Benz and BMW were on display along with some game stands and simulators. From the infield area, we watched as the next event, the Ferrari Challenge, consisting of racing versions of 360 Modenas (I will own one of

countdown for everything. The drivers have to leave the pit by a certain time, they have to line up by a certain time, and so on. If the race exceeds two hours, it is ended. Rules like that are rather strange to me. But then I realize that most F1 races run only around 200 miles while other races usually run between 200 and 500 miles total. The only reasons I can deduce for this is that these cars are so high-performance and delicate and strenuous endurance races will break them.

The other most significant change from status quo American racing is the standing start. There

the beginning of the race. From a dead stop, the drivers accelerate like bats out of hell racing for a top position before reaching the first hairpin turn. This is where the sheer power of the F1 engines comes into play.

Now for a brief summary of the more popular drivers. Almost everybody has heard the name of Michael Schumacher at one point or another. When Michael Jordan retired from the Bulls, this German became the best-paid athlete in the world at \$42 million. Schumacher won last year's USGP and teamed up with Brazilian favorite Rubens Barrichello to make up

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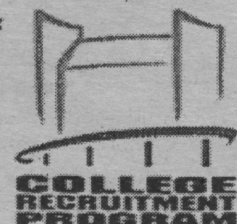
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## The United States Grand Prix

With anticipation climaxed, the race began. Pole-sitter M. Schumacher took the lead from the start, blocking Montoya who was alongside in the first turn. His teammate, Barrichello, was in close pursuit along with R. Schumacher, Montoya, Hakkinen, and Coulthard. After only four laps, however, Barrichello pushed past his teammate to take the lead, which he held for a good portion of the race. Schumacher dropped back to give his teammate a substantial lead and provide blocking for Hakkinen, who was rising up.

After the first round of pit stops, Barrichello gave the lead back to his teammate with Montoya a close second place, trailing by only seven-tenths of a second, trimmed to two-tenths by lap 33. He passes Schumacher on lap 34 but had to pit and give the lead back to the Ferrari driver. On lap 38, Ralf Schumacher loses control and spins in turn six, becoming lodged in a gravel trap and ending his day. The next lap, his partner, Montoya, suffered gear problems and stops along the front straight-a-way. And, on lap 39, Schumacher's pit stop puts him in second behind Hakkinen.

After more pit stops, the front line-up features Hakkinen and Barrichello alternating the lead with Schumacher, and Coulthard close behind. On lap 68 with Hakkinen in the lead, Barrichello's car begins having engine problems. Smoke pours out at times and Hakkinen increases the lead. Schumacher passes his teammate on lap 70 and Barrichello then drops back to fend off Coulthard for as long as he can. On lap 72, his engine expires and he is done. On his back-up car and starting the race with a penalty, Hakkinen wins the 2001 United States Grand Prix with an 11-second lead over Schumacher and his teammate, Coulthard in third place.

Reflecting on my first Formula One race, I truly believe that the money I spent for this ticket was worth every penny. The fact that F1 contains fewer drivers than CART or IRL (both have 27) matters little. The competitiveness and intensity of this race was so thick you could touch it. More than any race I have ever seen, pit stops played more of a key role in position than actual racing. Even Hakkinen gave partial credit to his win in pitting late during the first round of pit stops. Schumacher ultimately lost the pole to Hakkinen during his final pit stop. The pressure on both drivers and pit crews alike is nearly equal.

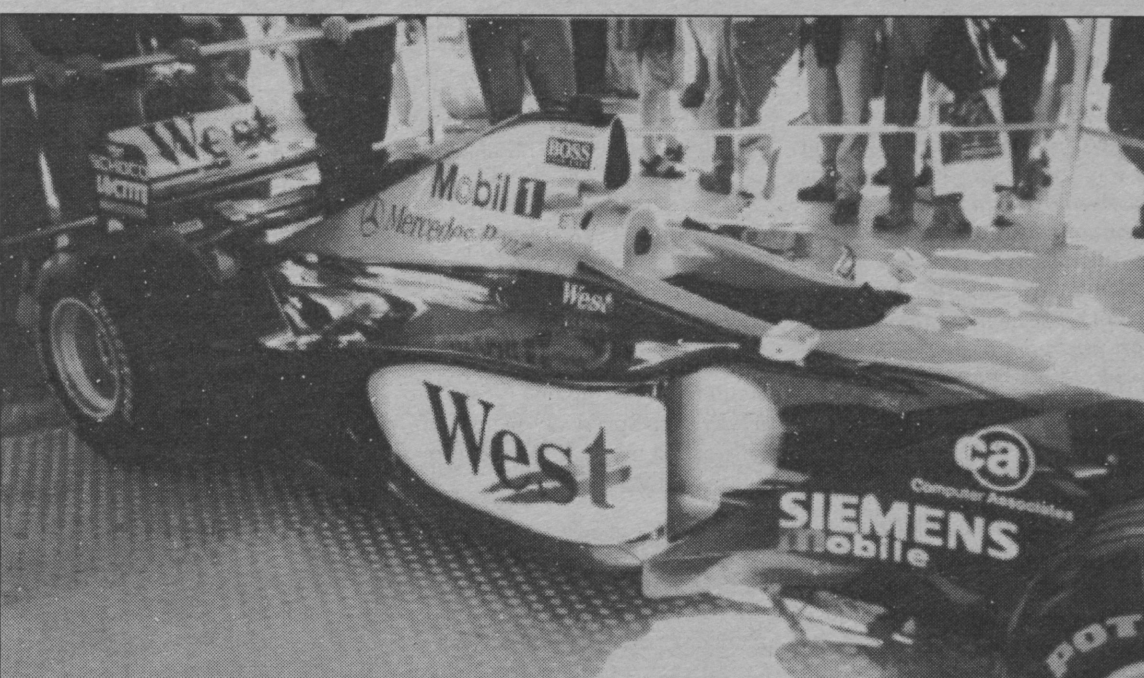
Then there is the sheer skill of these drivers. Unlike other types where drivers run neck-and-neck for the lead, F1 drivers manage to keep themselves single file unless passing another car. Passing is usually clean and quick, as there is no room with these cars for error. A single bump could take these cars out of contention. And when I mention that a driver is "close" behind another, I usually mean somewhere up to about 5 or 6 seconds behind. Usually that is considered quite a distance, but in circuit racing, distances do not stay constant for too long, especially with the power and performance of these cars.

Finally, there is the amount of

money that F1 and its teams spend on just about everything. Schumacher's annual salary aside, F1 teams spend hundreds of millions of dollars on research alone.

The pit and paddock areas are not the normal grease and grime pits of others. Rather the crews are dressed in button-down, collared shirts and lay down floor tiles that are custom made and cost thousands of dollars each. These people throw around money like it is nothing, and rightfully so. Spending money for image alone or not, these teams have earned every single dollar, Deutsch Mark, and Yen that they have acquired since their formation long ago.

How would I rate this race? Well, like I said, I only have a single CART Grand Prix and several years of small track races to compare it to. But based on that, this race is a must-see for every single American at least once in their lifetimes. The sheer sound of these cars alone inspires re-



A display model of Hakkinen's winning racer.

Peter Smith/Thorn

spect and the blinding speeds and accelerations will have your heart racing. I plan on viewing the In-

dianapolis 500 for the first time in May, so I will have a better basis then. But until that point, this

race marks the greatest racing event I have ever attended and will remain one of my fondest

### YOU GOT IT!

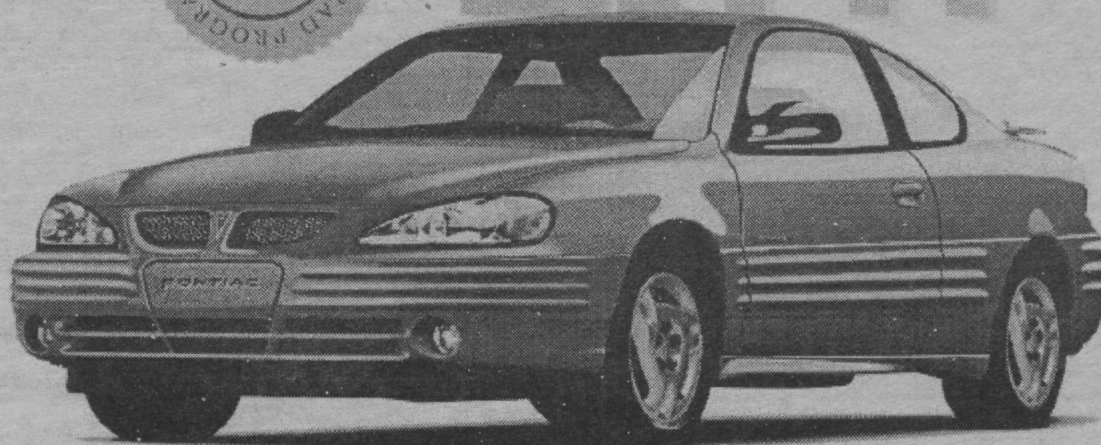
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Letters to the Editor

Dear Editor,

As everyone knows the Rose Internet connection is maxed out. Web pages load slowly if even at all. However this article is not about why we need more bandwidth but rather why we should better utilize the bandwidth we have.

As many people know, we have 4 T1s, which amounts to 6 Mb per second and is plenty of bandwidth for all our web surfing and academic needs. So why is everything so slow and what can be done about it?

I have heard unconfirmed stories that at any given time as much as 1/3 of our bandwidth is being used by one or two computers. This is accomplished by using file-sharing applications such as Kazaa (Morpheus), Napster, WinMX and others. These applications can open many connections to download a single file at higher speeds. These programs also allow other people to access shared files from off campus. I believe that these "entertainment" uses of the Internet are hindering the academic uses of the Internet. So what can be done about it?

Rose-Hulman is not the only college or university that has had to deal with problems of bandwidth swallowing applications. The University of Texas found that 2% of its users were consuming 50% of their bandwidth and an additional 13% of the bandwidth was used by just

0.2% of the users. Many other institutions have seen similar usage patterns.

There have been three main responses to the bandwidth problem at universities. The first is to actively block all traffic that consumes large amounts of bandwidth. Therefore everyone loses the ability to use these services because of those who abuse them.

The second is to actively limit the bandwidth any given machine can consume at a time. Swarthmore has limited every computer to 128Kbps which equates to twice the speed of a modem.

The third commonly used solution is to limit Internet traffic on a per port basis. Penn State is limiting each port to 1.5GB per week, while the University of Waterloo has limited ports to 300MB in a 10-day period during peak times or 1.5GB total during a 10-day period. This option removes Internet connectivity once the limit has been reached. The University of Toronto has gone so far to publicly display the top 50 users on their network and how much bandwidth they use.

So what is going to happen at Rose?

I do not know what will happen, but I do know that each one of the above options are available if Rose decides that some active form of correction needs to be applied. Rose is an institute of higher learning not an

ISP, they are not around to give students as much bandwidth as they want. They would be fully justified in taking action to remove some if not all personal traffic on their Internet connection.

I personally hope that none of the above solutions are implemented but rather that the Rose community would be considerate and learn to share the bandwidth we do have. Oh course if you know someone that is willing to pay a couple hundred thousand dollars every year to help the connection that would be cool too. So what can I, the average student, do?

There are many things that every individual can do to help the bandwidth pains. First, if you are using a file-sharing program shut it off when you are not using it. Another thing to do would be to disable the share option or limit the upload connections to 1 or 2. Allowing non Rose people to consume our bandwidth by downloading things from your computer is not very fair to the guy/gal down the hall trying to do some research on the Internet but can't load the search pages.

Every file-sharing program by default shares your files with members of the community so you may be unaware of the bandwidth you are using.

Second, learn to make human contact with others. In this I mean do not use AIM or MSN or other online chat programs to

talk to people on campus. Each conversation gets transmitted to a central server located off-campus and then back again to the other person. I am not saying to stop using these programs, since I communicate with people across the country daily, but just do not use them for on-campus conversations.

If you insist on not picking up the phone or walking down the hall, switch to ICQ. This chat program sends messages directly to recipients so they do not travel across the congested Internet connection.

Third, look for resources that already exist on campus. Whether you setup a network of public shares or ftp servers for file sharing or simply asking a friend to send you the latest cool shareware rather than downloading it yourself. Not only can you get what you are looking for faster, but you also allow others to use the Internet faster too.

Last, if you know the guy/gal down the hall is using more than his/her fair share of bandwidth ask them to knock it off. Or if you know someone that does not

understand some of the things I suggested to do, help them out by changing their program settings or program preferences. So why should you listen to me?

If everyone does their part to limit their own bandwidth usage then everyone will feel the increase in speed. Also if everyone does a better job of being considerate to the Rose community then the administration will not have to implement one of the limitations that so many other institutes have had to turn to. I would like to think this community is better than most other colleges; prove it.

In closing, I think that Rose needs more bandwidth, but I also understand the reality of budgeting the money to pay for it each year. I do not pretend this is the complete solution to the bandwidth problems, but I also foresee Rose moving to limitations as so many other institutions have if these things do not get addressed.

Bandwidth Challenged Rose Student

The opinions printed here are not necessarily the opinions of the Thorn Advertisers or the staff as a whole. If you would like to submit an article or opinions piece, it must be submitted by Tuesday at midnight. All submissions must include a way to contact you and an electronic copy. Submissions can be dropped in the envelope outside the Thorn office or mailed to Thorn@rose-hulman.edu. Submitting content does not guarantee that it will be published. The Editors reserve the right to hold content for future issues.

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This semester's **CAMPUS & COMMUNITY LUNCHEON SERIES** begins Wednesday, October 10, from 12:00 noon to 1:00 p.m. The theme this semester is "Stewards of the World." On October 10 Dr. Marion Jackson, Professor of Ecology at Saint

present the topic "Ecological Sciences Perspective." This is a brown-bag lunch and discussion series presented by United Campus Ministries, 321 N 7th St., Terre Haute.

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Classified advertisements are open to the public for \$3.00 for the first 30 words and 15 cents for each additional word. Bold faced words are available for 15 cents per word. Payments must be made

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The Rose Thorn reserves the right to refuse advertising which the editors judge to be discriminatory on the basis of race, religion, sexual orientation, or gender.

Submissions may be made at the Thorn office, through campus mail addressed to the Thorn, at thorn@rose-hulman.edu or by calling extension 8255. Deadline for submissions: 5pm the Wednesday prior to publication. Runs over one week must be renewed weekly by contacting the Thorn office.

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Chin helping Rose-Hulman football team achieve success

Susan Snider  
Sports Information Office Intern

Rose-Hulman Institute of Technology wide receiver Raymond Chin has made waves on the football field this fall. Chin leads the Fightin' Engineers football squad with 365 receiving yard and an average of 18.2 yards per reception this season. The versatile receiver is tied for team-high honors with three touchdowns.

The 5-11, 160-pound junior from Morehead, KY recently made four receptions for 102 yards and a touchdown against eight-time defending Southern Collegiate Athletic Conference Trinity University. Other standout games included his effort against Earlham, in which Chin made six catches for 166 yards and one score.

As a sophomore last fall, Chin ranked second on the team in receiving yards with 290 and third on the team in receptions with 23. He

averaged 12.7 yards per catch with one touchdown. In the meeting between Rose-Hulman and Case Western Reserve last year, Chin had six receptions for 77 yards in the 27-14 win over the opponent.

Chin has shown improvement through a commitment to hard work and a willingness to sacrifice on behalf of the team.

"As a freshman, I was the scout team fullback and I had to hit our starting linebackers every practice. Even though they knocked me down 90% of the time, I always got back up and hit them again. One day, Coach (Russ) Mollet came up to me and asked if I wanted to travel with the varsity team. I kind of laughed, because I hardly practiced with them. He told me that the way I practice did not go unnoticed, and he wanted to reward me for working hard. I gained a lot of respect for Coach Mollet that day," Chin said.

"Raymond has a good work ethic and has been a pleasant surprise to

our program. It has been a joy to watch all the receivers develop over the years, but especially Raymond and the determination he brings with him," head coach Russ Mollet said.

While the civil engineering major is working hard on the field, he is working equally as hard in the classroom. He earned academic all-SCAC honors after the 2000 season and is a Presidential Scholarship recipient. The Dean's List honoree is also a member of the American Society of Civil Engineers and the Phi Gamma Delta fraternity.

According to Chin, his involvement with the Rose-Hulman football team has been an extremely wise decision.

"I wouldn't be able to attend Rose-Hulman and keep my sanity if it wasn't for football. The guys on the team make it worth while and it helps me forget about homework and tests for about two hours while I'm at practice," Chin said.

The two-year letter winner chose to leave Morehead and attend college in Indiana because of the opportunities Rose-Hulman could offer. He chose to be a member of the football team because of his love for the game and the lessons about life that wait for him on the field.

"Football has taught me a lot about the 'real world.' In order to be successful on the field, a team must have 11 guys working together as one. The same principle applies in life. You must be able to work with people in teams and be personable to be successful and move up the corporate ladder," Chin said.

Before Chin's dreams of moving up the corporate ladder come true, he will remain focused on the battles fought each Saturday afternoon. He continues to get back up after being knocked down, helping the Engineers fight for victories.

College Sports Watch

Briar Colwell  
Staff Writer

This week in college football is full of games that will decide who has a chance at a conference title and even a chance at the national title. #10 U. of Washington is looking to keep its winning streak alive against Southern Cal. Purdue, Michigan, and Northwestern all face unranked teams and should have their way this week in conference play. All three teams are undefeated in Big Ten play.

The big game of the week is #2 Florida at #20 LSU. Florida needs a win to stay in the national title hunt and LSU is looking to take down the Gators to have a chance at the SEC title. I predict Florida will show its #2 ranking with a 17 point victory.

Along with college football, men's college basketball will start its season at 12:01 am Saturday morning with most teams across the country having their first practice of the year. Hoosier fans can make their way down Highway 46 to watch IU's midnight madness. The doors at Assembly Hall open at 10 pm on Friday and you need only bring canned food items to receive free admission.

- Iowa vs. #18 Purdue 11:00 am ESPN
- Georgia vs. #7 Tennessee 11:00 am CBS
- #6 Virginia Tech vs. West Virginia 11:00 am ESPN2
- #2 Florida vs. #20 LSU 2:30 pm CBS
- #15 Michigan vs. Penn State 2:30 pm ABC
- Southern Cal. vs. #10 Washington 2:30 pm FOXMW
- #16 Northwestern vs. Ohio

Intramural Update

Jeff Jenkins  
Intramural Director

Greetings from the I.M. office. Intramural tennis began this

week with seven students playing in a round robin level A tournament and fourteen students playing in a double elimination level B tournament.

Flag football and co-ed volleyball also continue through October and the first week of November. Below is the updated standings for both sports.

And lastly your weekly reminder: the I.M. Cross Country meet is Oct. 24, 5:30 at Hawthorne Park. No need to register just show up and run.

Flag Football

Level A	W	L
Triangle A	2	0
Snakes	1	1
Pikes	1	1
ATO Gold	1	1
Delta Sig	0	1
Speed One	0	1

Level B  
Frat Division

Teams	W	L
Triangle B	3	0
Delta Sig	2	1
ATO Blue	2	1
Da Bears	1	3
FIJI	0	3

Residence Hall I

Teams	W	L
Hit Squad	3	0
Air Force	2	1
What What	2	2
BSB 2	1	2
Rugged Squad	1	2
Deming O	1	3

RH II

Teams	W	L
BSB 1	2	0
Speed 2	1	1
Deming 2	1	1
The Attic	1	1
Skinner	1	1
Deming 1	0	2

Co-Ed Volleyball

Level A	W	L
Pike Gold	2	0
Pike Garnet	1	1
Dingers	1	1
ATO Gold	0	2

Level B  
Frat & Indep.

Teams	W	L
Pike	3	0
Seal Team Six	3	0
Delta Sig	2	1
ATO Blue	1	1
Hymenators	0	2
Delta's	0	2
AXE	0	3

RH I

Teams	W	L
The Attic	3	0
Deming 2	2	1
BSB 2	2	1
Speed 2	1	1
Hit Squad	1	1
Deming 1	0	2
Mees	0	3

RH II

Teams	W	L
Scharp	3	0
What What	2	1
Skinner	2	1
BSB 1	1	2
Deming O	1	2
Speed One	0	3

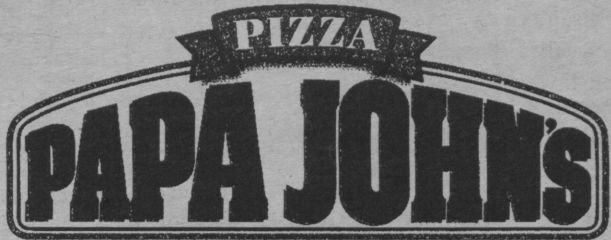
Upcoming Athletic Events

- Fri., Oct. 5
  - \* MT at Louisville Invitational, TBA
  - \* VB vs. Southwestern University (at Millsaps), 2 pm
  - \* VB vs. Hendrix College (at Millsaps), 6 pm
- Sat., Oct. 6
  - \* MT at Louisville Invitational, TBA
  - \* MXC at Walt Disney World Classic, 8 am
  - \* VB at Millsaps College, Noon
  - \* FB at Rhodes College, 1:30 pm
  - \* VB vs. Trinity University (at Millsaps), 6 pm
- Sun., Oct. 7
  - \* MT at Louisville Invitational, TBA
  - \* VB vs. Rhodes College (at Millsaps), Noon
  - \* MSC at Denison University, 5 pm

- Mon., Oct. 8
  - \* WSC at DePauw University, 3 pm
  - Wed., Oct. 10
    - \* VB at Heidelberg College, 7 pm
- Fri., Oct. 12
  - \* WSC at Oglethorpe University, 2 pm
  - \* MSC at Oglethorpe University, 4 pm
  - \* MXC, WXC at Millikin University Invitational, TBA
- Sat., Oct. 13
  - \* FB at Millsaps College, 6 pm
- Oct. 14
  - \* WSC at Millsaps College, Noon
  - \* MSC at Millsaps College, 2 pm
- Tues., Oct. 16
  - \* VB at Earlham, 7 pm

Sports Shorts

- The football team (1-4,0-2 SCAC) lost to Trinity University last Saturday:
  - Trinity -- 61
  - Rose-Hulman -- 28
- The volleyball team (6-10, 2-2 SCAC) traveled to the Franklin Invitational last Saturday where they beat both Wilmington and Marian but lost to both Franklin and Heidelberg:
  - Rose-Hulman -- 30-30-30
  - Wilmington -- 26-28-5
  - Rose-Hulman -- 20-30-31-30
  - Marian -- 30-24-29-24
  - Franklin -- 30-30-30
  - Rose-Hulman -- 17-25-24
  - Rose-Hulman -- 22-31-28 Heidelberg -- 30-33-30
  - Congratulations to the women's soccer team (6-5,1-1) who beat Southwestern last Sunday and St. Mary last Tuesday:
    - Rose-Hulman -- 1
    - Southwestern -- 0



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- Rose-Hulman -- 3
- St. Mary -- 1
- The men's soccer team (0-8,0-2)
- lost to Southwestern last Sunday:
- Southwestern -- 2
- Rose-Hulman -- 0
- The women's cross country team placed ninth out of eleven teams at the Earlham Invitational.



# FLIP SIDE

Volume 37, Issue 5

"Worst Episode Ever"

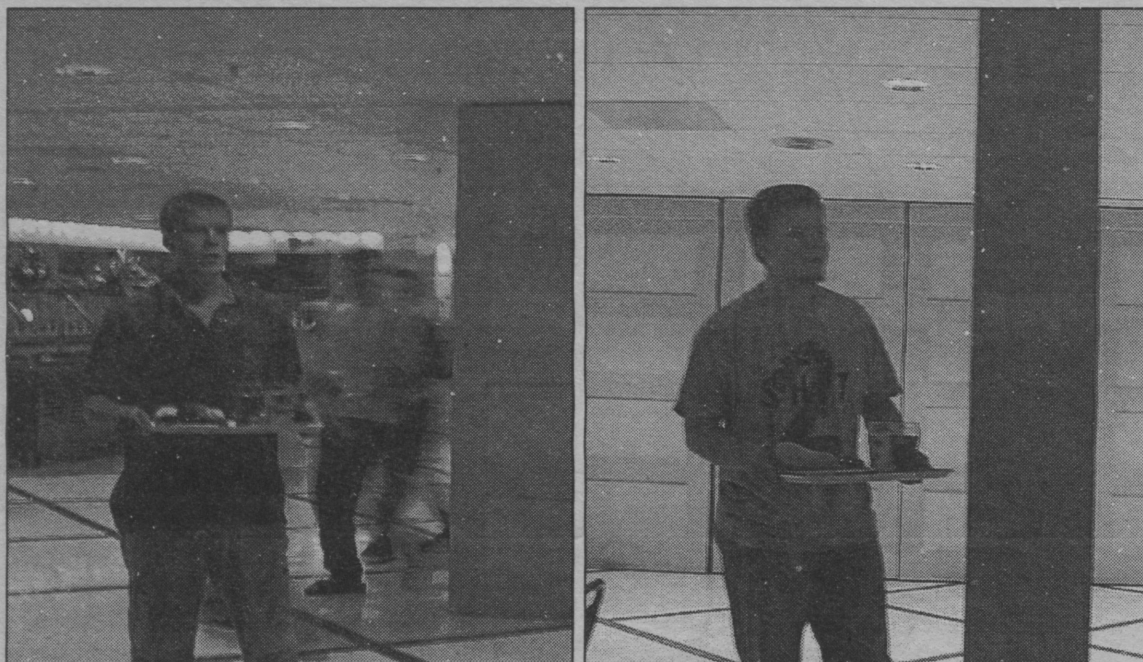
Goo Goo Ga Joo

Friday, October 5, 2001

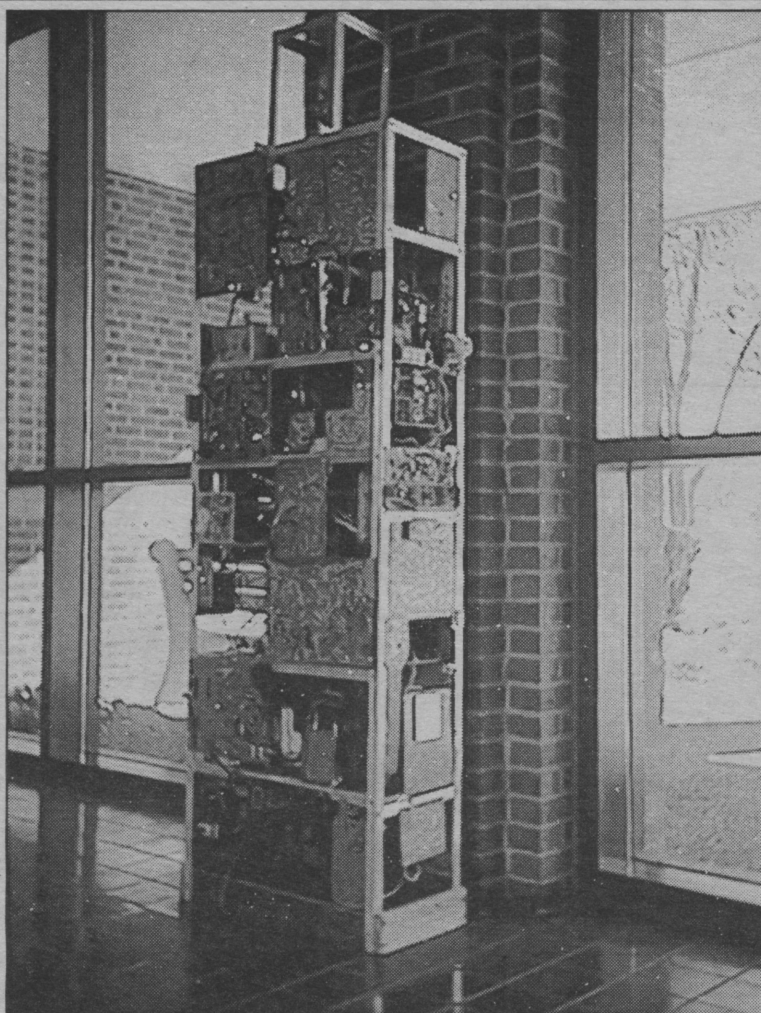
## Top Ten Reasons Next Week Will Rule

- ⑩ 'Cause Tim says so.
- ⑨ I can try to best my 32-hour-in-a-row sleep record.
- ⑧ Because I won't have to see Superman boxers, that's right, because Superman is an ass!
- ⑦ You can give your stomach walls time to rebuild.
- ⑥ Back home, I get an earth-shattering 4kb/sec rate with my dial-up.
- ⑤ You can hang around and see vacation cleanup crews in action, like the Speed cockroach death squad, or the Deming dirty underpants crew.
- ④ There won't be a paper next week, so I won't have to deal with Geen!
- ③ Dark Age...
- ② You'll probably have four tests all on that Tuesday. Whee!
- ① Free time to do things you miss out on here, like sleep, fun, women, etc.

THORN  
OP10



You know the way you look when you've just grabbed your lunch, and you're walking out to find your friends, but you don't immediately see them, and you kinda look around? Yeah, you look stupid, don't you? Keep this in mind next time, or we'll catch you and put your picture on the Flipside too! Actually we probably won't. That'd take work.



Here we see an image from the Flipside Photo Archive, which we're using to help you visualize our current bandwidth situation here on campus, so we'd like you to imagine that this chip tower, who happens to be called RANDY, is actually an evil supercomputer artificial intelligence device, which he is, but imagine that he can hog most of the entire campus bandwidth by catering to such traffic as music, movie, and warez sharing between the campus and the outside world, can you see it? Good. Now, beat the crap out of RANDY the next time you see him, so the rest of us can get some work done.

## Study is conclusive: don't smoke crack

History has seen some very horrible and tragic results of smoking crack and taking other illicit drugs. One of the worst consequences ever recorded from such drug use can be seen in the past two issues of the Flipside.

While watching the driver of the Solar Phantom do donuts in the middle of Wabash Avenue was rather entertaining, last week's "Adhesive Kangaroo" fiasco was no laughing matter. Sadly, the editor was so toasted that he actually thought the page was hilarious.

Likewise, extreme drug usage led to the previous week's laking article. The Flipside staff would like apologize to Andy Nuetzel for the article, however we do contend that while trippin', Andy

does in fact resemble a head in a jar.

Each of these incidents resulted from a very amateur, yet extremely fun drug study. The Flipside very carelessly decided to run a study of drug use in extracurricular activities. Unfortunately, we very haphazardly distributed the drugs without considering the consequences or controlling the narcotics usage. We do contend, however, that all participants in the study ingested the drugs on their own. Whether or not each subject knew his food was laced with LSD or Ecstasy is somewhat debatable.

Also, we would like to publicly apologize to the three professors involved in what will forever be known as the Machine Shop

Scandal. Although the restraining order prevents us from apologizing to you in person, we are truly sorry and hope modern science can one day replace your limbs.

As far the incident with the depantsing Buddha, the flipside staff maintains this had NO relation to our drug study. Chad is naturally high and no drug can overpower that.

The results of our study, however, are revolutionary to the science of mind altering substances. We found that some of the drugs we gave people made them do really stupid things. We're talking damn idiotic here. No sober student would ever think that running full speed into a concrete wall is a good idea. Well, no sober Hose-Rulman student. Pru-

due attracts a much different crowd.

We also concluded that stupid people are hilarious. This was more or less a separate conclusion, but it had a large basis in our original study. For instance, running into concrete walls is stupid, but watching people run into walls is funny. Experiment for yourself. Place poisonous snakes in your roommate's bed. Then place a delightfully comedic sign on his bed, something like "Beware: Bed of Doom," so you have technically warned him.

Now, getting into the Bed of Doom would be downright insane. But watching your roommate get into bed would cause a scene so side-splittingly funny that even Al Gore couldn't bore

you into submission. Not even Al Gore! That's pretty damn funny.

So the overall results show that stupid people are funny, and people on drugs are stupid. By the transitive property we find that people on drugs are funny. By the identity property, it is understood that funny people are on drugs.

The HRIT administrators are trying to use this theorem to perform random drug testing on students laughing in public places. This is known as "The authority tries to screw everyone over once again property." Although it may seem unfair, it will take out a lot of the fun of attending Hose-Rulman. So remember, stay sober, stay somber.

Have any of your profs said something wacky lately? Well, stay awake for once and jot it down! E-mail it to: [flipside@rose-hulman.edu](mailto:flipside@rose-hulman.edu)

### This Week in the News

RHA votes out the Wokery from the Monday ARA Center Stage. Greezy loyalists protest in force.

### This Week in History

150 B.C.  
The peach is introduced to the Mediterranean world from China. Reminds me of a song.

### This Week's Dumb Joke

Although the photographer and the art thief were good buddies, neither had ever taken the other's picture.

The Little Line o' Litigious Lard: The content of The Flipside is intended to be purely humorous, and it does not represent the opinions of *The Rose Thorn* or Rose-Hulman Institute of Technology. It probably doesn't represent anybody's opinions, 'cause it's all just a joke, get it? All material is copyright of it's respective owner, is void where prohibited, and may cause birth defects. Read responsibly, wallaby.