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Vol. 27. No. 26



BASEBALL **IU NORTHWEST Art Nehf Field** Sunday, May 3 1:00 p.m.

News Briefs Construction Specifications Institute offers scholarship

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Applications for college scholarships awarded an-nually by the Indianapolis chapter of the Construction Specifications Institute (CSI) will be accepted by the organi-zation through May 31. Eligible students must be at least college sonhomores with

Eligible students must be at least college sophomores with a strong academic record. The applicant should be carrying a full or part-time credit load, and working toward a construction-related degree. Applicants should also be U.S. citizens with home addresses in the central Indiana area, and be sponsored by a member of the Indianapolis CSI chap-

ter. In 1991, three \$500 scholar-ships were awarded to Indiana college students. Recipients of this year's scholarships will be announced in June. For applications or addition-al information about the scholarship program, contact

al information about the scholarship program, contact Mark Smith at (317) 842-6777. The Indianapolis CSI chap-ter is 30 years old, and its mem-bership includes architects, engineers, designers, specifi-ers, contractors, contract ad-ministrators, manufacturers' representatives, and product suppliers from throughout cen-tral Indiana. tral Indiana

Indiana State Museum sponsors Swiss Family Sunday

Make a hat for a real live brown Swiss cow, sample Swiss chocolate, see Swiss watches and antique ski equip-ment, listen to an alphorn, and celebrate the vitality of Swiss culture at the Indiana State Museum's Swiss Family Sun-day on May 3 from 1:00 to 4:00 p.m

Presented in conjunction with the traveling exhibition SWISS FOLK ART: CELEBRATING AMERICA'S ROOTS, Swiss Family Sunday is free event for the whole

is free event for the whole family. A highlight of the afternoon takes place at 2:30 p.m. when yodelers of all ages and skill levels compete for prizes. One lucky contestant yodels "on the air" with WIBC radio per-sonality Jeff Pigeon. Throughout the afternoon's festivities, the Liededrkranz male choir features traditional European sounds. Norman Gwaltney, accordion player,

European sounds. Norman Gwaltney, accordion player, entertains. Also, there's plenty for kids to do — making cow hats and masks, painting a poya, playing marbles, im-personating William Tell and watching stilt walkers. Adults can learn how to open a Swiss bank account, discover the art of lace making and view special displays of cowbells.

the art of face making and view special displays of cowbells, watches, model trains, stamps, coins and antique ski equipment. During festivities, Erdmann Schmocker, President, Swiss-

232-1637 Yo-del-ay hee-hooooo!

Indianapolis — Pull on your lederhosen and clear your throat - the Indiana State Museum is looking for the best yodeler this side of the Swiss

Alps. Alps. Whether you have yodeled from the mountaintops of Switzerland of just from the privacy of your own shower, you're invited to compete in a wodeling contest, one of the you're invited to compete in a yodeling contest, one of the many free activities taking place during Swiss Family Sunday on May 3 from 1 to 4 p.m. at the ISM. Swiss Family Sunday is a

p.m. at the ISM. Swiss Family Sunday is a family event held in conjunc-tion with Swiss Folk Art: Celebrating America's Roots, an exhibition which explores the vitality of Swiss folk art while recognizing the impor the vitality of Swiss folk art while recognizing the impor-tant contributions of the Swiss to American folk art. It is on display from April 6 through June 1 at the ISM. "It's time for Hoosier yodel-ers to bring their talents out from behind their shower cur-

American Historical Society, discusses "Helvetica in Amer-

discusses "Helvetica in Amer-ica." Also, Dr. Leo Schelbert, Dept. of History, University of Illinois at Chicago, describes "Swiss in Indiana." Both pre-sentations, taking place in ISM auditorium, are free of charge. Everyone can enjoy pas-tries, chocolate ice cream, cheese and Swiss chocolates. Exhibits by the Swiss Club of Indianapolis, International Center, Berne (IN) Chamber of Commerce and Switzerland County Historical Society en-hance Swiss experience.

or commerce and Switzerland County Historical Society en-hance Swiss experience. Swiss F'amily Sunday is sponsored by the Indiana State Museum Society, the Swiss Council of New York, Frieda Nyhart, the Indiana Swiss Foundation, Classique Genet-ics, the American Lung As-sociation, Ben & Jerry's Ice Cream, Entertainer's Secret, Inc., Cracker Barrel Restau-rants and Ricola. The ISM is part of the In-diana State Museum and Historic Sites system, which includes 16 historic sites throughout the state. The ISM is located one block north of Market Square Arena at 202 N.

Market Square Arena at 202 N. Alabama Street in downtown Indianapolis. Museum hours are Monday through Saturday, 9:00 a.m. to 4:45 p.m. and Sun-day, noon to 4:45 p.m. Admis-sion, all activities and parking for this event are free. For more information call (317)

Indiana State Museum seeks yodelers

tains," said David McDaniel, ISM information specialist. "We're looking for contestants of all ages and skill levels to make this day of Swiss culture complete it and the second state of the second state of

complete." Yodelers are asked to dem to the tune of *The Lonely Goatherd* from the musical *The Sound of Music*. The yodeling competition will begin at 2:30 p.m. Call Jon Marshall at (317) 232-1627 for more in-formation or to register.

formation or to register. The yodeling contest is spon-sored in part by Entertainer's Secret, Inc. of Carmel, the American Lung Association of Indiana, and Cracker Barrel Restaurants. The ISM is part of the Indiana State Museum and Historic Sites system, which includes 16 historic sites throughout the state. The ISM is located one block north of Market Square Arena at 202 N. Alabama Street in downtown Indianapolis. Admission and parking are free.



The Rose-Hulman Drama Club prepares for its production of "Pippin," which will be performed on May 1 and 2. See the Parents' Day schedule of events in this issue. photo by: Jim Ockers

Rose-Hulman Drama Club to present "Pippin

RUSC'HUIMIAAT D by Jin Ockers News Editor The Rose-Hulman Drama Club will perform "Pippin" on Friday. May 1 at 8:00 p.m. on May 2, a matinee will be performed at 1:30 p.m. and the evening show will be sub the performed at 1:30 p.m. and the performed at 1:30

by Gary Burdette, a Rose-Hulman senior; Leading Player is played by Laura Kestner, a senior at Saint Mary-of-the-Woods Col-lege (SMWC), and Charlemagne is played by Father Bernie Lamontagne, a professor at SMWC. The rest of the cast mem-bers come from Rose-Hulman, SMWC, and Indiana State Univer-sity. According to Burris, the di-SMWC, and Indiana State Univer-sity. According to Burris, the di-versity of the cast members lends this production "more variety (and) believability." "Pippin" opened last Friday evening, and a second show was performed on Saturday evening. According to one recent audience

member, "The cast was very energetic and enthusiastic. I was quite impressed by the perform-ance." Burris adds that "Pippin" features "much magic, excite-ment, and glitter."

The special effects are quite spectacular: the Drama club is being assisted by a professional magician in the production. Jeff Bounsell is the music director; Rose-Hulman sophomore Doug Brooks will be playing the piano. Brooks performed at "Engineers in Concert," an exposition of the musical talents of Rose-Hulman students, faculty, and staff.

64th annual Rose Show scheduled May 2

will be featured May 2 during the 64th annual Rose Show at Rose-Hulman Institute of Technology.

Hulman Institute of Technology. Every academic area at Rose-Hulman will feature demonstra-tions and exhibits that will enter-tain as well as educate, says Rose Show coordinator, Steve Law-rence, president of Blue Key hon-orary fraternity which sponsors the annual event. The show, which is free, begins at 10 a.m. and concludes at 4 p.m. For the second consecutive year, visitors to the Rose Show can also enjoy the creativity of lo-cal artists and craftsmen during

cal artists and craftsmen during Arts Fest '92 from 11 a.m. until 5 p.m. Many activities of interest to

Many activities of interest to youngsters will occur in Moench Hall including the Rose Mouset-rap Powered Car Race at 10 a.m. in the student lounge, the civil engineering department-sponsored bridge busting contest at 11 a.m. in E-104 and a chemis-try magic show at 2 p.m. in E-104. Computer-generated cartoons will be produced by members of the Association of Computing Machinery from noon until 4 p.m. in the Waters MDNM Computing Center in Crapo Hall. Continuous demonstrations featuring lasers, holograms, the

Continuous demonstrations featuring lasers, holograms, the latest in computer technology and electrical engineering, and the So-lar Phantom, solar-powered rac-er are also scheduled. Visitors can even try out their creative skills during the mechan-ical engineering department's "Think Fast Lego Building Con-test" in C-111 in Moench Hall. The Rose Show is conducted each year in conjunction with the college's Parents' Day program.

Rose Show Schedule

The Rose Show was first held in 1928 "to provide an educational and entertaining look at some of the activities of Rose-Hulman.

The Rose-Hulman chapter of the Blue Key Honor Fraternity proudly presents the 64th annual Rose Show from noon until 4:00 p.m., Saturday, May 2, 1992. Some of the events taking place tomorrow are as follows:

- Solar Phantom Display, Root Quadrangle, Noon - 4 p.m.
- Mousetrap-Powered Car Races, Moench Commons, 10:00 a.m.
- Bridge-Busting Competition, E-104, 2:00 p.m.
- Chemistry Magic Display, E-104, 2:00 p.m.
- Cylinder and Beam Bust, O-111, 2:00 p.m. Physics Laser Show and other demonstrations, CL-117

In addition, each department will have displays and activities in various labs all around campus. Feel free to walk around and stop in any room. Members of Blue Key will be set up at information booths in several locations around Moench Hall.

The sometimes magical as-

Opinion

Leave your name and I'll listen

by Michael Keeney I got an interesting phone call a few weeks ago. One of my friends was over and answered it for me. Handing the phone to me she said, "It's some guy about the *Thorn.*" I was greeted by an upset reader who had taken some offense at my article that had appeared the week before. He claimed that I had attacked him personally in my article and wanted to know why. I asked him to tell me specifically what had offended him in the article. Of course, he couldn't tell me because he didn't have anything specific. He just have anything specific. He just felt overall that I was attacking him because he used smokeless tobacco. In his own innate logic, behad extended my article from a commentary on a vile habit and the distracting sounds produced in the classroom from it to a per-sonal attack on himself. I guess if it makes him feel important then it's okay by me if he looks at it that way way

The call points to a couple of

problems though, aside from the guy's whining. The first is the in-ability to read an article objectively and take from it what was actually written. Just be-cause I had attacked this guy's personal habit, he extended it in his mind and saw it as a personal attack on himself. It was not that at all. Admittedly, I may have called him inconsiderate, since he did mention that he used tobacco in class, but I wasn't condemning him

him. The second problem struck me toward the end of the call when I asked the caller's mame. Of course, he wouldn't tell me. I asked what he thought gave him the right to call me anonymously and complain about my article when I had presented it openly in the paper (my byline was left off, but an editor's note appeared the but an editor's note appeared the next week with it). Again he couldn't come up with an answer. I told him if he had any further discussion to write a letter to the editor stating specifically what

bothered him about the article. After all, that's why the *Thorn* prints the letters. I told him to be sure and include his name besure and include his name be-cause the editors won't print the letter without it. I even told him when the deadline was so that he could be sure to have it in that week's issue. Did a letter to the editor appear from my mysterious tobacco user? Pre-dictably, no. Why? Because his argument was far from being val-id and he would have been afraid id and he would have been afraid to present it to the public for fear of making a fool of himself (which he had already done to me). Basically, the guy had no guts.

Unfortunately, my mystery caller is not the only Rose student with no guts. His made the fifth anonymous response to my arti-cles I've received — three other phone calls and one letter. These students have the same problem that the offended tobacco user cco user had. They were all upset because I said something they either did not agree with or pointed out some truth they wanted to deny. That's fine because everyone is entitled to his opinion just like myself, but if he's afraid to attach his name to it, what good is it? None. It's worthless. I believe that people should think for themselves and form their own opinions, but they should at least admit that the op-inions are theirs if they want to share them. Those who refuse to do even that are most likely as-hamed of their opinions, afraid of rejection, or just plain cowards. As long as they can present their ideas in secret, they don't have to worry about further supporting them or being proven wrong. Of course, an opinion presented an-onymously is of little value and intelligent people have better intelligent people have better things to do than waste their time refuting the claims of cowards. This is all fine and dandy, but where does it lead? At a school

educating future engineers and scientists who will be expected to lead the world in technological ad-vances, we should all be willing to

develop our own ideas with proper facts and evidence, and we should be prepared to support and defend them. Many ideas and opinions them. Many ideas and opinions seem preposterous and even im-possible at first glance, but it was those who were willing to stick to what they believed who got us where we are today. If it turns up that our ideas are proven wrong though, we should be prepared to accept that too. However, we should not waste our time listen-ing to those afraid to attach their names to their own work. We can't names to their own work. We can't have faith in something that its inventor won't claim.

It seems that most students here are brave enough to stand up for what they believe is right and true, but those few who are fearful that their opinions are wrong and are afraid to put their names on them might better spend their money elsewhere. Engineering and science is no place for co-wards.

FRIDAY, MAY 1, 1992

Walkie talkies unconsidered cost in coed

I was once quoted in the pinna cle of literary achievement, the Terre Haute Tribune Star, as supporting coeducation "because this campus is way far con-servative." Most people may question the grammar, and many the idea.

By saying the campus is "way far conservative," I did not mean to imply that I would like the camto imply that I would like the cam-pus to be way far liberal. I don't necessarily want student up-risings, demonstrations. We don't need groups picketing the ARA because they serve food prepared with a sauce that contains an in-gredient from China, a country which imprisons students. We don't want a demonstration in front of the bookstore because HPs contain semiconductors not made in the USA. Nor do I imply that women are less conservative. I work on the

Nor do 1 imply that women are less conservative. I work on the assumption that female engineer-ing students, who are breaking the mold, would themselves be the indic, would themselves hoped that the introduction of females would make the campus a bit more aware, a little less isolated from the real world. At the time of the code vote, I thought the fact that the Board refused to imple-ment the change until 1995 a per-fect example of my quoted state-

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letters or comments from readers. Articles, ideas, and announcements are also de-sired. In view of length con-straints, we reserve the right to limit the lengths of comments and use excerpts of com-ments and use excerpts from letters. All submitted material must be signed. All material should be submitted the Mon-day prior to publication. I Don't Even Want To Think About It! bv **Kevin Neilson**

However, since that time, I have had a few doubts about the move to coeducation. I dug up a document called the *Report to the Board of Managers of the Ad-Hoc Committee on the Physical and Mechanical Cost Factors of Coeducation*. It's a fine piece of red tape with thirteen appendices with catchy titles like "Meeting with James Ballengee" and "Memorandum to W.D. Schindel from T.W. Mason." It contains some interesting facts... For example, I bet few people

some interesting facts. For example, I bet few people knew this fact about coeducation, and it seems that the Board has kept it secret from the campus. I quote from the aforementioned document: "Thus, Rose-Hulman may continue to be a unisex school. If Rose-Hulman were to become bisexual however it become bisexual, however, it would be bound by the Indiana Civil Rights law to remain bisex-ual...'' I don't really think that's fair. The Board has made a decieven notified. Now we are bound by law to remain bisexual in-definitely. Some interesting economic facts lay within this document. Appendices show costs incurred by other colleges in making the transition to coed. Washington

by other colleges in making the transition to coed. Washington and Lee University outlayed \$35,000 as a one-time cost for phones, walkie-talkies, and rest-rooms. These are considerations we have never dealt with. Did you ever think about the extra walkie-talkies we would have to buy? Nor did I. It seems this whole affair isn't as simple as it appears at first glance. first glance

cost that will be incurred by A cost that will be incurred by Rose is the conversion of dorm "gang" showers to individual showers. What's up with that? How come women don't have to suffer the same bad restroom engineering that we do? I have a theory that when building rest-rooms, women's are built first and then all the materials run out. That is why men's restrooms have That is why men's restrooms have no walls. After the women's rest-room is built, the construction workers simply take what materi-als are left over and place them in the middle of what is called the man's restracem. They take an the middle of what is called the men's restroom. They take an empty room, mount shower heads on a couple walls, mount urinals on a couple of other walls, and the work is done. No walls needed. I believe the U.S. National Con-struction Code for Men's Rest-rooms reads, "All showers and urinals should be placed directly in front of door (specified in Sec. 4.6) or, if this is not physically pos-sible, a large mirror can be

mounted in front of the door (Sec 4.6) which will reflect at a wid angle, allowing the entire view to be seen from the hall (Sec. 5.7)." I be seen from the hall (Sec. 5.7)."] was in a Pizza Hut restroom recently. A second man in the restroom was readying to exit, but he was considerate in waiting for me, as opening the door would afford the entire restaurant an embarrassing view embarrassing view

So let them use gang showers! I suppose that the women will also get heaters that heat, windows that open, and steps that are evenly spaced. Another cost in the document

that was expended by almost ev-ery school in a mail survey is in-creased campus lighting. From other sections of the document, it

other sections of the document, it appears that Rose will also in-crease its campus lighting. What does lighting have to do with coed? One who responded to the survey explained it all: there were a few night attacks on women. These attacks are becom-ing very widespread throughout the nation the nation

We are largely unaware of the problem, but it is easily seen in such publications as the Purdue such publications as the Purdue University at Calumet newspap-er, the *Chronicle*. The front page reads, "Student reports campus abduction, rape." Also, "PUC, IUN combine resources to help battered women," and "Students experience fear and disbelief." And that's the front page. The op-inions page is even more interest-ing. "An open discussion on per-sonal defense strategies will be held Monday," one blurb reads. Another article lists ways of held Monday," one blurb reads. Another article lists ways of

"Before leaving any building," "Before leaving any building," the columnist's advice reads, "have your keys in your hand with "have your keys in your hand with a firm grip on the car door key. Too many women are guilty of leaving their keys in the bottom of a pitless purse." It goes on to say that digging through a purse gives an abductor the time to effect an ettack attack

"always glance underneath. Attackers have been known to hide under a car, grabbing ankles and dragging a person to the ground...beating, raping, and even killing them." What are we acting ite? getting into?

"Glance into the back seat of your car before getting in (an un-locked car is an open invitation to an unwanted stranger."

an unwanted stranger." Can we expect a campus like this? This is the place where I lock my door twice a year and can leave my HP, laptop computer, and other expensive items in the coatracks while eating. I even left a leather coat there for three days once. When I was a freshmen, I came back from Christmas break only to find that my key didn't fit my door. It never had and I never knew — I had never locked the door! Will this trust be a thing of the past?

the past? I hope not. Our students, hopefully, won't be likely to attack women, and our semi-isolation from the city will aid us. isolation from the city will aid us. I certainly hope that we won't be-come one of those campuses where there are weekly lectures on date rape and self defense. I also hope the *Thorn* never has to carry ads like this one that ap-peared in the same issue of the *Chronicle* previously mentioned: "Campus Escort Service: To obtain an escort, dial 2394 from any campus telephone. A PCSG any campus telephone. A PCSG representative will escort you to and from buildings or your car. This is life at most colleges.

While visiting some female friends of mine at Purdue, I wit-nessed this transaction: "OK, Tammi, I'm going over to Lica's ta study."

"Do you have your Mace?" "Yes." "Your whistle?"

Yes.

"Casey, let me go with you. I can't let you go out by yourself." "I'm only going across the

street." "Well, call me as soon as you





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FRIDAY, MAY 1, 1992

Jesus died for us all

In response to Mr. Dennis' highly critical letter of religion, I highly critical letter of religion, 1 felt I needed to take the opportuni-ty to respond to his condemna-tions of Christianity (though he generalized to religion in gener-al). I find it highly regrettable that he has chosen to be so narrow minded as to assume that "people are stupid." Is he an exception to this? He seems to suggest that people are stupid simply because their beliefs disagree with his own. Christianity is not some tranquilizer, or as Karl Marx put it, "opiate of the masses." Christ-ianity is a religion based on the belief that a man, Jesus Christ, died on a cross in order to bear the enormous burden of the sins com-mitted by ALL MEN. But, Jesus is not just any man. He is the Son of felt I needed to take the opportuni-ty to respond to his condemnanot just any man. He is the Son of God. Therefore, true believers in Christ are not simply taking solace in a comforting message.

Mr. Dennis does not believe in Mr. Dennis does not believe in the existence of God, and he calls his position "realistic." What arguments does he use to defend his position? His major thrust seems to be in destroying the cre-dibility of the Bible. Whether or not Mr. Dennis believes in the au-thenticity of the Bible, this amaz-ing book is certainly not a popular thenticity of the Bible, this amaz-ing book is certainly not a popular literature novel. Many of the pas-sages written in the Bible are cor-roborated by other passages (which were written by different men). One of the writers of the gospels, John, was actually a wit-ness to the life and times of Jesus Christ. What reason could he have for making up some fantastic Christ. What reason could he have for making up some fantastic story about some guy who ran around in the desert, raised the dead, and ate some kid's fish and breadsticks? Would it make sense to do that? Even if a person could believe John's gospel might be a hoax, would anyone go to all the trouble to make a hoax which is so remarkably consistent with the rest of the Bible? It is regrettable

that Mr. Dennis does not seem to have read any of the Bible before coming to the conclusion that it is a worthless document. Next, consider Mr. Dennis' statement that Christians are fanatics because they are "will-ing to kill and be killed for (Christ-ianity)." Does the extreme commitment of anyone to a cause imply fanaticism? I do not con-done murder or religious/military conquests. I don't believe the Bible or Christianity as a whole does either. That is NOT to say that there haven't been people who have gone to far in support of their beliefs. The road to sin is a slippery slope, and even the most dexterous man will slide down it at some point. These people are not behaving as Christians by kill-ing in God's name. They are sin-ners, just like everyone else. God does not want man killing man in ners, just like everyone else. God does not want man killing man in his name. It is precisely because men are sinners and are liable to make many grave mistakes in their lifetime that God offered His only Son to be sacrificed: to pay for our sins. In my view, those who kill in the name of God do not have any Christian justification. I am certain there are many other Christians who would share this viewpoint.

What about Christians who ar willing to die for their belief in God and in His Son, Jesus? Ar Are they crazy for giving up life when they could simply have renounced him and saved their necks? No. Over the course of the years, millions of Christians have refused to renounce Jesus Christ. They paid the extreme sacrifice. Now, I also understand that there have been times when millions of people times when millions of people have made stupid mistakes. Nazi Germany is an excellent example of millions of people buying into the racist, hateful policies of Adolf Hitler. But there is at least one big difference. The Nazis bought into

Letters

an "easy" theory. It is much easi-er to blame someone else for our problems (i.e., the Jews) than it is to accept that we are human and that our problems are most likely of our own doing. It is not an easy thing to accept blame for our sins. Taking responsibility for one's actions is the harder road to one's actions is the harder road to choose. The German people accepted the words of Adolf Hitler in order to avoid his gas cham-bers. Christians who accept the word of God are not doing so to avoid punishment. On the con-trary such beliefs frequently trary, such beliefs frequently brought pain and suffering on Earth. The Christian mindset did not save their physical wellnot save their physical well-being; it sometimes threatened it. If, like Mr. Dennis, you believe that people are stupid, then it is very likely that persecuted Chris-tians were duped. I don't believe that people are stupid. I believe that since we are human, and we make tons of mistakes in our life-time. The Bible emphasizes this as well, but it does not say that men are stupid. On the contrary, the Lord has blessed us with many gifts. We are capable of rational thought. We are capable of loving one another. We are capable of one another. We are capable of lowing one another. We are capable of just about anything we set our minds to. So, why would millions of people risk death rather than succumb to coercion? The answer is faith.

This is where Mr. Dennis truly missed the boat on what Christ-ianity is all about. Christians, per-secuted or not, have faith in God. secuted or not, have faith in God. Faith is central to being a Chris-tian. Though a man cannot save himself by simply having faith in God, having faith is essential to attaining Heaven. (It is God's own grace that allows us the good for-tune of spending eternity with Him. In other words, Heaven is not ours to earn, but His to offer.) Christians have faith that Leaus Christians have faith that Jesus Christ, the Son of God, was born of the Virgin Mary and died on a cross for the sins of all mankind. It is this belief that makes it possible for "Joe Schmuck at the bar" to have written the Bible. Christianity is not about prim and proper people living sin-free lives. If Mr. Dennis had read a little more of the Bible he chose to criticize, he would see that most of the key figures in the Bible (Jesus being the major exception) were SINNERS. They made mistakes. For example, the disciple Thomas had doubted Jesus had risen from had doubted Jesus had risen from the dead. Peter denied the very existence of Jesus three times in one night. Jesus' disciples made so many mistakes, one might wonder what made them special enough to spread the word of God. This does not disprove Christ-ianity; it affirms it. The Bible teaches us that only God is infall-ible. If the Bible had contained passages describing just how perpassages describing just how per-fectly the disciples had behaved at all times, it would have con-tradicted the belief in man's fallibility. But Jesus' followers in cluded such everyday people as divorced women, fishermen former Christian persecutors and yes, Joe Schmuck at the bar. They were sinners just as we are now. Our sins today include many of the things to which Mr. Dennis of the things to which wir. Definition of the things to which wir. Definition of the Editor. Christians should be neither vain nor arrogant towards their neighbor; they should love him as they do themselves. They should not kill for Christianity, essnould not kill for Christianity, es-pecially since true Christianity requires faith, not coercion. Make no mistake: Christians are not perfect. Look at Jim Bakker and it is easy to see that Christian is easy to see that Christians make as many mistakes as their non-Christian brothers.

Please note that the Christian faith is not a blind faith. God has left us many clues. The Bible is the best example I can give. I do not believe it is possible to "realistically" condemn the Bible without at least reading it. The life and death of Califor Ser and death of God's Son, Jesus Christ, was more thoroughly documented in the Bible than any

other historical figure, before or since. Proof of the existence of Jesus Christ is more concrete than the existence of George Washington or Abraham Lincoln. Thousands witnessed His mira-cles. Thousands more heard Him speak of the kingdom of God. And cres. Thousands more neard Him speak of the kingdom of God. And so many, many people died be-cause they refused to disavow their belief in Christ. They were showing the ultimate form of faith, and their reward will be eternal life. eternal life

eternal life. Even if we put all of that aside, David Dennis believes that people are stupid because they are fool-ish enough to believe in God. He correctly points out that there is no direct proof that any super-natural being exists, but what proof does he offer that God does not exist? He did not offer proof, but merely refuted evidence that God does exist. Since he offered no proof, is it rational to come to the conclusion that God does not exist

proof, is it rational to come to the conclusion that God does not exist with certainty? Shouldn't he doubt his decision a little? Mr. Dennis, I do not wish to come tear your head off for your article. Nor do I have any inten-tion of so much as petting you with article. Nor do I have any inten-tion of so much as pelting you with a water balloon. I am a Christian, Dave. That does not make me bet-ter than you. In fact, I will make at least as many mistakes in my life-time as you will. This very letter cannot be 100% true, because as a human being I am incapable of knowing all of God's plan. I proba-bly have said things that other bly have said things that other Christians disagree with. That is simply because I am human. I show my faith in God as well as I know how. You see, I am no better than you. We are both children of God, whether or not you acknow-ledge it. The only difference betedge it. The only difference be-tween you and me is that I have cast aside my doubts (as best as a fallible man can) and accepted Jesus Christ as my Savior. I would gladly talk to you and help you to find this same joy and relief in knowing that God in Heaven loves you too you, too. — David W. Smith

Why I believe

by J.R. Shrader I am writing in response to D.B. Dennis' article of April 24.

My belief in God comes from ex-amining the evidence of the world and universe around me. It is true and universe around me. It is true that there is no proof as to the ex-istence of God, but there is also no proof as to His non-existence. God can not be put in a test-tube, so to speak, and experimented on. However, there is evidence that points to an all-powerful God and Creator. It is on that evidence that I have chosen to believe in God. First, consider the beginning of the universe. The universe could

the universe. The universe could have had a natural beginning. In this case, matter and energy sprang from nothing, which goes against all scientific law and vioagainst an scientific law and vio-lates every scientific observation that has ever been made. As an engineer, one who thinks scientifically, it deeply troubles me to believe that the universe

had to violate its very own laws to even exist in the first place. The second possibility is that the universe had a supernatural beginning. In this case God, a su-pernatural being, existed and cre-

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ated the natural. No laws are violated here. The natural sprang from the supernatural, not from

nothing. I look at the world around me and I see more evidence for God. I see order and design. I see the miracle of human birth, the cycle

miracle of human birth, the cycle of the season, and a human body and mind so complex that we can't understand them. Can science explain all of these things? Perhaps it can. But how does science explain love? How does science explain beauty? Why should we conceive anything as worthy of our love if we are just a combination of chemicals on a short journey from nothingness to short journey from nothingness to nothingness? Why should we con-ceive anything as beautiful if all has arisen by chance? Where did love and beauty evolve from They make no sense without God

But the final and most compell ing argument for me as to the ex-istence of God is Jesus Christ. He was the only major religious lea er who ever claimed to be God and he backed up his claims. T ad The evidence is there. Christ claimed that he would die and be resurrected. His body disappeared from the tomb. Hundreds of peo-ple saw him afterwards. People died for believing in his resurrec-tion (would they die for a lie?). Yes, these beliefs did originate two thousand years ago, but that doesn't change their validity. Either they were true then and are true now or they were false then and false now. But I know that since two thousand years ago millions of people have had their lives changed by placing their faith in Christ.

The evidence above doesn't prove that Christ was God or that God exists. We can't prove that. But there is enough evidence there that each person should in-vestigate and make that decision for himself. The quiestion of whether there is a God is one we should all answer because it affects our entire way of thinking. I've shared with you why I be-lieve, now I hope you will consider the evidence and make your own decision

_ J.R. Shrader

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TOM Manade BMg

Sports

PAGE 4

Dave Gowans keeps throwing strikes at Rose-Hulman

ROSE THORN

Maybe only a pitcher could appreciate the remarkable success Dave Gowans has had on the mound for the Rose-Hulman base-ball team this spring. Consider these impressive facts the Greenville, Mich., native has accumulated the past five weeks: Statistic No. 1: Gowans has al-lowed just 11 walks in 61 innings so far this season. That's a percent-age of 0.18 walks per inning – an achievement that would be the envy of major-league hurlers. Statistic No. 2: The senior right-hander has completed six of his ine starting assignments, includ-ing a five-inning no-hitter in a

ing a five-inning no-hitter in a season-opening victory at the Uni-versity of the South in Sewanee,

Tenn. Statistic No. 3: Gowans leads Rose-Hulman — ranked 21st in NCAA Division III — in wins (8-2) and strikeouts (55) and is second in earned run average (2.42) and saves (2)

That's a surprising perform-ance for a pitcher who brought a 10-10 career record and 4.57 ERA into the season.

"Things have fallen into place," says Gowans. "My frustrations and inexperience from my freshman (2-5, 6.20 ERA) and sophomore (4-3, 3.76) years have paid off this year. Now, I'm setting up hitters so they hit my pitch, when

they don't expect it. Also, I have been staying out of danger." And, walks mean trouble for any pitcher. "I've become a smart pitcher," boasts the senior mechanical engineering major. "I know my strengths and weaknesses and I roow how to know bittom of hel know how to keep hitters off balance

ance." Part of Gowans' growing proc-ess came last summer when he played in two baseball leagues in Grand Rapids, Mich. One of his catchers, Jeff Terpstra, was an Academic All-America at Grand Valley State University." "Jeff taught me there's an art to pitching." Gowans says

"Jeff taught me there's an art to pitching,'' Gowans says. "Physically, I'm still the same pitcher that has been out on the mound the past three yeras. How-ever, mentally, I've got a differ-ent attitude toward pitching. I've learned there's relatively easy ways to get hitters out with con-trol, intelligence and deception — instead of throwing a 95 m.p.h. fastball." Gowans got off to a rocky start against Manchester College on April 3 in Terre Haute. He allowed three hits in the first three innings and committed a balk to give the Spartans a run. "That may have ruffled some

"That may have ruffled some inexperienced pitchers," Rose-Hulman baseball Coach Jeff Jenkins said. "Dave just refo-

Feustel qualifies for U.S. Olympic fencing trials

cused on the plate and was deter-mined not to allow any more

mined not to allow any more runs." Gowans was nearly unhittable the rest of the way, striking out six Manchester hitters in the final four frames for a 8-1 win. "Dave is one of the most fo-cused and competitive pitchers in our league (Indiana Collegiate Athletic Conference)," Jenkins said said.

Gowans has proceeded to win ICAC games against Wabash Col-lege (4-3) and Anderson Universi-ty (5-4) during the past two weeks.

Still, Gowans shies away from taking much of the credit for the Engineers' successes.

"I'm just one of the nine players

"I'm just one of the nine players doing my job. The players look toward me to make good pitches and I look toward my teammates to play good defense and score runs. Luckily, it has been a good combination," Gowans said. Now, Gowans is pointing toward helping Rose-Hulman compete for a top finish in the ICAC and qualifying for the NCAA Division III post season tourna-ment. That would come before May 23, when he receives his engineering degree and begins a possible career in designing heat-ing, refrigeration and air con-ditioning systems.

ceived his E rating in an earlier Foil tournament. Last week Brian won the Inter-club championship, and the rights to carry the club sword for the upcoming year. Sophomore Kelly Lewis re-ceived his E rating in Eppe by winning a tournament hosted by Rose-Hulman earlier this year. Coach Rabbi Klein took first place in the sabre in both the Joe Klein Open and the divisional competition both of which were hosted this year by Rose-Hulman.



Front Row: Brian Dougherty, Steve King, Joe Klein; Back Row: Chris Blessinger, Kelly Lewis, Steve Dao, Joe Osborn.

by Brian Dougherty Sports Reporter Certain members of the Rose-Hulman Fencing Club have been making headline shave had quite a bit of success in the past few member nth

Senior Elihu Feustel placed first place in the Southern Indiana Division in Epee advancing him to

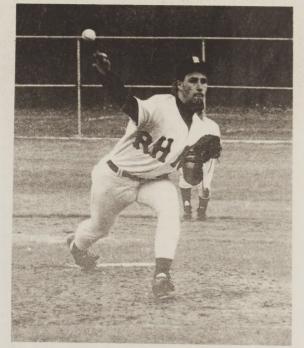
the Division II National Cham-pionships. He went on to place sixth in the Great Lakes Sectional which qualified him to compete U.S. Oliversia Transmission U.S. Olympic Team trials June 7th - 14th in Dalton, Illinois. Feus-tel competed against fencers from Ohio, Indiana, Michigan, Illinois, and Kentucky. Junior Brian Dougherty re-



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With only baseball left to complete the 1991-92 All-Sports st and ings, Rose-Hulm an currently holds fourth place and will likely remain in that position at the end of the 1992 season. The Engineers finished in fourth last year, but despite some awesome im- provements this year by the soccer and golf teams could not overcome poor finishes by the football and track teams. The following is a compilation		 Anderson Wabash Rose-Hulman Hanover Manchester Franklin DePauw Soccer DePauw Wabash Rose-Hulman 	Score 21 43 88 117 126 183 184 Rec. 6-0 5-1 4-2	Pts. 7 6 5 4 3 2 1 Pts. 7 6 5	Basketball 1. Franklin 2. DePauw 3. Rose-Hulman 3. Wabash 3. Anderson 6. Hanover 6. Manchester Running Total (7 Sports) 1. Wabash 2. DePauw 3. Anderson	Rec. 11-1 10-2 5-7 5-7 5-7 3-9 3-9 3-9	Pts. 7 6 4 4 4 4 1.5 1.5 7 5 Pts. 38 36 31.5		inish 113 68 60 44 21 21 6	Pts. 7 6 5 4 2.5 2.5 1	Lo an Contreduc	
	as we rts st ports: Rec.	ll as the andings	6. Hanover 7. Manchester Track	3-3 1-5 1-5 1-5 Finish	4 2 2 2 Pts.	 Anderson Rose-Hulman Hanover Franklin Manchester Golf 	Score	28 22.5 21 19 Pts.	 Hanover Rose-Hulman Wabash DePauw Franklin 		6-3 6-4 3-5 6-6 3-7	
 Wabash Hanover DePauw Anderson Manchester Rose-Hulman Franklin 	5-1 4-2 4-2 2-4 2-4 0-6	7 5 5 2.5 2.5 1	 Wabash Anderson Manchester Rose-Hulman DePauw Franklin Hanover 	167½ 148½ 90 89 63 29 28	7 6 5 4 3 2 1	1. DePauw 2. Franklin 3. Rose-Hulman 4. Hanover 5. Anderson 6. Wabash 7. Manchester	787 798 821 830 836 855 890	7 6 5 4 3 2 1	7. Manchester		1-8	G



Dave Gowans continues to entertain fans while frustrating opponents as he keeps throwing strikes.

Next Week in Rose Sports

SATURDAY, MAY 2 BASEBALL - at Franklin College, Franklin, IN, 1 p.m. (ICAC)

SUNDAY, MAY 3 BASEBALL - vs. IU-Northwest, Art

SATURDAY, MAY 16

Invitational, Indianapolis, IN

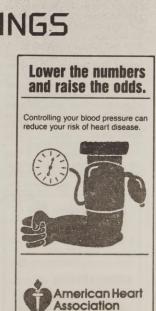
- GOOD LUCK ROSE -

GO ENGINEERS!

Nehf Field, 1 p.m.

TRACK & FIELD - at Billy Hayes

11 a.m.





FRIDAY, MAY 1, 1992

HH

Sports

Baseball team drops to third in ICAC

by James Broskow Sports Reporter This season has held many This season has held many accomplishments for the Rose-Hulman baseball team. For the first time ever, the team has had an NCAA Division III national ranking, which is currently 21 by the latest American Baseball Coaches Association. Head Coach Jeff Jenkins earned his 100th ca-reer victory. Rose beat Depauw in Greencastle, a feat the team

"Basically, the biggest difference is that we've found ways to But there's win .. room for a whole lot more. I hope we're not satisfied yet." Head Baseball Coach, Jeff **Jenkins**

hasn't accomplished since 1980. The team has already accumu-lated more wins this season than any team in school history, as they stand at 24-8. And at no time in the season has the team lost more than two games in a row. When asked what was making the team do so well work how the season team do so well, coach Jenkins

responded, "Basically, the big-gest difference is that we've found ways to win...But there's room for a whole lot more. We've got other goals to accomplish yet this sea-son. I hope we're not satisfied vet." yet

goals to accomplish yet this seried yet." But one of Coach Jenkins' goals seems to be in jeopardy right now. "The record's very nice, but we wanted to get into the NCAA tournament." A loss to DePauw University on Wednesday has left Rose at third place in the Indiana Collegiate Athletic Conference, and according to coach Jenkin-s, "I'm sure they won't take a trid-place team." Coach Jenkin-said of the DePauw loss, "We were overmatched, they had more de-sire and enthusiasm. Our baserunning was a travesty at best." There is still hope, though. As long as the Engineers win their remaining two ICAC games, and if tanover loses one, they will for second in the league. Senior third baseman John Sherrard had an outstanding week, the was six-for-six against Hanover, and ten-for-twenty on the week, raising his batting aver-abats, before the Depauw series. He also added three more home runs, which increased his season total to five.

total to five.

The team has continued to well defensively. The pitching staff

Rose-Hulman baseball has accomplished many things but continue to look for ways to improve has been tough; their combined earned run average is still only 3.21. Tim Watson has the best rec-ord on the team, currently he is 8-1. He picked up three of those wins in just the last eight days.

Senior Tim Gowans had a strong showing when he took on De-Pauw's batters single-handedly in their second game last week, but took a loss there to drop his record to 8-3.

photo by: Dave Long. The final conference games of the season for the Engineers will be Saturday at Franklin. Franklin is 3-7 in the league, and 9-24 over-all.

Field carries track to 4th in ICAC meet

by Ken Koziol Sports Editor

Some may call it the Track team, but after last Saturday's fourth place finish in the ICAC Championship the "Field" team may be a more appropriate label. Throwers, vaulters, and jumpers for Coach Bill Welch's team tallied 46 of the team's 89 points as the Engineers missed a third place finish by a single point.

Rose-Hulman held down the Rose-Hulman held down the lead in the meet through the first six events, but put on the brakes as Wabash College ran past the field for the championship with 167 1/2 points. Anderson Universi-ty followed with 148 1/2 points, and Manchester College had 90. Rounding out the seven team field was DePauw University (63), Franklin College (29), and Hanov-er College (28).

The Engineers were lead by two conference champions. In the pole vault, freshman Mike Brown led the competition as he has so many times this year with a vault of 15'-0''. Despite a sore shoulder, Brown captured the title in his first appearance in the ICAC first appearance in the ICAC meet. Rose proved its depth as



* CONFERENCE CHAMPIONS *

senior Rick Briars grabbed fourth at a height of 12'-0".

Also in the field, junior Doug Childers continued to dominate the hammer throw competition with a 152'-0" victory. Childers led the charge in this event as senior Tom Finkbiner took second (150'-8"), and sophomore Greg Meyne placed fourth (138'-1").

Other top finishers for the Engi-neers included senior Tom Gor-sich with a second place effort in the discus (140'-0''), senior Kirk Bailey in the shot put (3rd, 48'-9



DOUG CHILDE

34"), and sophomore Bill Bowen in the javelin (3rd, 161'-2"). The last meet of the season be-fore the national competition will be on Saturday, May 16 at the Billy Hayes Invitational. The meet will begin at 11 a.m. in Indi-anapolis.

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In other Rose sports ...

Last Saturday, the Golf team ended the weekend with its best finish ever in the ICAC tournament. Led by the fifth place finish of two-time all-ICAC golfer, and junior, Chris Posey, the team finished just behind DePauw University and Franklin College. The DePauw team needed only 787 strokes to complete the two-day event with the vic-tory, while Franklin had 784 and Rose-Hulman had 821. To round out the top seven, Hanover placed fourth (830), followed by Anderson (836), Wabash (855), and Manchester (890). (890).

Posey led the Engineers with a total of 156 strokes. Close be-hind was senior Brian Miller (161), junior Wade Stockton (162), sophomore Mike Payne (173), and junior Mark Wil-liams (174).

The Tennis team, after an excellent start of a season

which saw them go up 3-0 early, finished the ICAC tournament in a disappointing tie for fifth. The Engineers tied Anderson with 21 points in the tourney, but were outvolleyed by for rivals.

by for rivals. To no surprise, DePauw took the title with 113 points fol-lowed by Wabash (68), Hanov-er (60), and Manchester (44). Franklin College finished in lost with C papier

Franklin College finished in last with 6 points. To the surprise of many on the Rose-Hulman campus, former Engineer basketball coach Bill Fenlon accepted the head coaching position at the school of Rose-Hulman's big-gest rival - DePauw Universi-ty. After three years, and the best winning percentage am ong Rose basketball coaches, Fenlon left behind a 53-26 record on July 29 of last year. He will take on the job in Greencastle after one year ab-sence from the Terre Haute area.



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Campus News



students donated blood to the Central Indiana Regional Blood Center during the Spring 1992 blood drive, held on Wednesday, April 15. A total of 217 pints of blood veried during the Spring 1992 Chi Alpha and Skinner Hall having the highest percentage of donors for Fraternities and residence halls, respectively. This is the first year that the blood drive counted toward a Fraternity's score in the annual Greek Games competition.

High school juniors offered chance to catapult into engineering and science

by Cassandra Jungblut Rose-Hulman Institute of Tech

nology is offering high school stu-dents the chance this summer to take their chemistry lab experi-ment or science fair project one step further.

step further. This program isn't just any summer camp. Participants get the chance to experience college life, work with college professors and experience a hands-on ap-proach to learning about engineering and science

Applications are now being accepted from young men who will be entering their senior year in high school and are in the top 25 percent of their class. Two, three-week sessions are being offerred June 14-July 3 and July 12-31. Tom Miller, assistant dean of student affairs at Rose-Hulman, a

student arrairs at Rose-Huiman, a private engineering and science college in Terre Haute, Ind., says the program introduces students to the many phases of engineering and science through their involve-ment in a laboratory-intensive ex-perience.

ment in a factor and a perience. "Participants work in small groups with Rose-Hulman faculty to solve technical and scientific problems," explained Miller. Professor Noel Moore, Opera-tion Catapult Program Director and chairman of the Rose-

Hulman Department of Chemical Engineering, added, "The pro-gram also helps a high-school stu-dent decide whether to pursue sci-ence and engineering as a career option " option

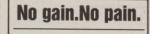
Projects that students have tackled in past summers include experiments involving lasers, testing solar collectors, designing and testing miniature rockets to collect air samples, and creating a circuit that will allow a lawmmwer to move grass by it. lawnmower to mow grass by itself

"The students experience col-lege life during their three weeks on campus because they are taught by Rose-Hulman faculty, work in our laboratories and live in campus residence halls," Mill-er said. In addition to their aca-demic activities the students are demic activities, the students are involved with intramurals and special activities like a pool party, community theatre, and a plant trip in Indianapolis.

Now in its 25th year, Operation Catapult attracts students from more than 40 states and Canada. The cost is \$975 and includes tuition, materials, room, and board

Young men interested in apply-ing for the program or wanting more information about Opera-tion Catapult, should contact the

Rose-Hulman Office of Admissions. Write to 5500 Wabash Ave-nue, Terre Haute, IN 47803 or call 812-877-8213 or toll free 1-800-552-0725. Persons living outside of In-diana can call toll free 1-800-248-7448.



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Computers in math education focus of free summer program for high school teachers

High school mathematics teachers can learn how computer algebra systems are improving the way mathematics is taught

the way mathematics is taught during two free, one-week work-shops this summer at Rose-Hulman Institute of Technology. The workshops, July 13-17 and 20-24, will show teachers innova-tions in college mathematics classrooms and curricula brought about by computer-assisted in-struction, says Brian Winkel, pro-fessor of mathematics at Rose-Hulman. Winkel and faculty col-league Bart Goddard are coordinating the workshops which are co-sponsored by the In-diana Commission for Higher Education. Education.

Teachers will learn how to use Mathematica, a system for doing mathematics by computer, to prepare problems, examples, and presentations for their high-school classes. Winkel said in-corporating these new methods at

the high-school level will improve mathematics instruction and bet-ter prepare students for college mathematics courses where computers have become complace

Workshop participants will use a mathematics computer labor-atory equipped with 30 NeXTsta-tions. Upon completion of the pro-

gram, teachers will receive four hours of graduate credit from Rose-Hulman, Winkel said.

A stipend for room and board and travel costs is provided to participants.

Teachers interested in attend-ing should contact Goddard at Rose-Hulman by calling 812-877-8486.

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8:00 p.m.

Drama Club presents "Pippin" Musical (Moench Hall Auditorium)

SATURDAY, MAY 2

11:00 a.m5:00 p.m.	Arts Fest (Front Lawn)
11:00 a.m2:00 p.m.	Corsage for Mom (Lower Level Hadley Hall)
11:00 a.mNoon	Distinguished Young Alumni Panel (GM Room, Moench Hall)
11:00 a.m1:00 p.m.	<i>Lunch</i> (Main Dining Room)
11:30 a.mNoon	Glee Club Members (Main Dining Room)
Noon-4:00 p.m.	The Rose Show (Moench & Olin Halls)
1:00 p.m.	Jazz Band (Front of Hadley Hall)
1:30 p.m.	"Pippin" Musical (Moench Hall Auditorium)
6:00 p.m. Awards	& Recognition Dinner
	(Faculty/Staff Dining Room)
6:30 p.m.	Parents' Buffet Hulman Memorial Union (Alumni Room)
8:30 p.m.	"Pippin" Musical (Moench Hall Auditorium)

SUNDAY, MAY 3

GREEK GAMES

The Inter-Fraternity Council would like to invite all parents to stay on to watch these exciting athletic events. The Greek Games are a series of contests among Rose-Hulman's eight national social fraternities, and the entire campus turns out to cheer the men on. The Greek games will provide a great finish to an exciting weekend.

9:00 a.m.	Songfest (Auditorium)
10:15 a.m. (sharp)	Main Gate Closes
10:30 a.m.	Cart Races (Starting at Deming Hall)
11:20 a.m.	Main Gate Opens
11:30 a.m.	Obstacle Course (Front Lawn)
12:30 p.m.	Mystery Event
2:00 p.m.	Tug-of-War
3:15 p.m.	15-Man Pyramid (Football Field)

Trophy will be presented immediately following the pyramid contest

FRIDAY, MAY 1, 1992

Campus News

PAGE 7

Local teachers, alumni, students to be honored at Rose-Hulman

Rose-Hulman Institute of Tech-nology will honor three Terre Haute high-school teachers, alumni and students May 2 for their academic and professional achievements. The awards will be presented during the college's annual Par-ents' Day Honors and Awards pro-gram which begins with a recep-tion at 5:30 p.m. in the Hulman Union.

Union

Union. Terre Haute native Mark Owens, general manager of Eli Lilly and Company's Irish Branch in Kinsale, Ireland, will be among the Rose-Hulman graduates who will receive the Distinguished Young Alumni Award. Owens served for six years as a manager at Eli Lilly's Clinton Laboratories before accepting his international assignment in 1989. Other alumni award winners

Other alumni award winners Other alumni award winners are Jerry Bissey, managing director, Pennvasia Ltd. and director of business development, PPG Industries International, Hong Kong; David Burgner, plant manager, GM Saginaw Division, Three Rivers Mich.; Mark Camp-bell, physicist, Mission Research Corporation, Albuquerque, New Mexico; and Robert Marks, professor of electrical engineering, University of Washington, Seat-tle, Wash.

All five alumni award winners graduated in 1972 from Rose-Hulman.

The three Vigo County edu-cators will be among five reci-pients of the 1992 Rose-Hulman Outstanding Teacher Awards. Receiving the honor will be Terre Receiving the honor will be Terre Haute Vigo High School teachers Leslie Ballard and Katherine Utley. Ballard teaches English and journalism while Utley has been a teacher of English and Latin at North Vigo since 1971. The third local award winner is Judy Elsey, who has taught sci-ence for 15 years at Sarah Scott Junior High School.

Also receiving the teacher award will be Terre Haute native Patricia Zeck, a science teacher at Northwestern High School in Kokomo; and Bentley Allen, a mathematics teacher at Paris High School in Paris, Arkansas.

Thirty-four Rose-Hulman stu-dents will receive various awards

Civil Engineering students

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and scholarships for their aca-demic achievement.

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Ken Koziol and Scott Minnich test the concrete canoe they constructed as a senior design project. The canoe was tested April 23 in Speed Lake. Ken and Scott have entered the canoe in the Great Lakes Regional Conference Concrete Canoe Competition held April 25, at Tri-State University in Angola, Indiana.

by Paul Klenck Asst. News Editor

Does concrete float? The an-swer, according to two Rose-Hulman senior civil engineernuman senior Civil engineer-ing students, is a resounding "yes!". Ken Koziol and Scott Minnich constructed a con-crete cance as a senior design project and entered it in the Great Lakes Regional Con-ference concrete cance ference concrete canoe competition held Saturday, April 25, at Tri-State Universi-ty in Angola, Indiana.

Rose-Hulman's entry Rose-Hulman's entry finished seventh out of 12 en-tries, which included two en-tries from both Tri-State and Purdue. Out of ten schools, Rose placed sixth. This per-formance was particularly im-pressive, according to Koziol, since Rose was not able to par-ticipate competitively in the women's and co-ed races. Ex-cluding the points earned for races, the Rose team placed fourth topping veteran schools as the University of Michigan and Purdue University. The University of Illinois took top overall honors for the second consecutive year. Scoring was based on the results of the races and various other fac-tors such as oral and written presentations, a posterboard display, and the appearance of the cance.

The canoe was constructed over a styrofoam mold. The concrete contains hollow glass spheres so tiny they "look like dust", said Koziol. A metal mesh contributes additional strength strength.

One of the biggest hurdles that had to be overcome was the stipulation that the canoes

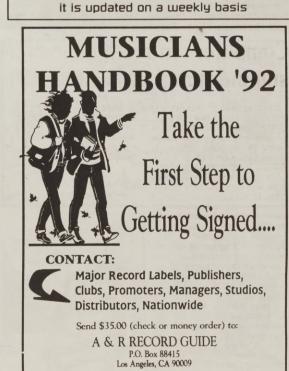
had to float while filled with water. This condition was of particular concern to the Rose team, since they overshot their weight goal by over 20 pounds. In order to provide the needed buoyancy, two feet of foam are allowed in the bow and stern of the correct the canoe

Rose-Hulman was severely limited by a lack of experi-ence. This was the first canoe constructed at Rose since 1984. Many of the schools with which

Many of the schools with which Rose was competing this year, such as University of Illinois, were competing with canoes that were refined from last year's competition. Ken and Scott were hoping, of course, to place well in competition, but they es-pecially wanted to generate in-terest at Rose-Hulman to en-sure that concrete canoe activsure that concrete canoe activity continues in future years.

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