

Rose-Hulman Institute of Technology

## Rose-Hulman Scholar

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Student Newspaper

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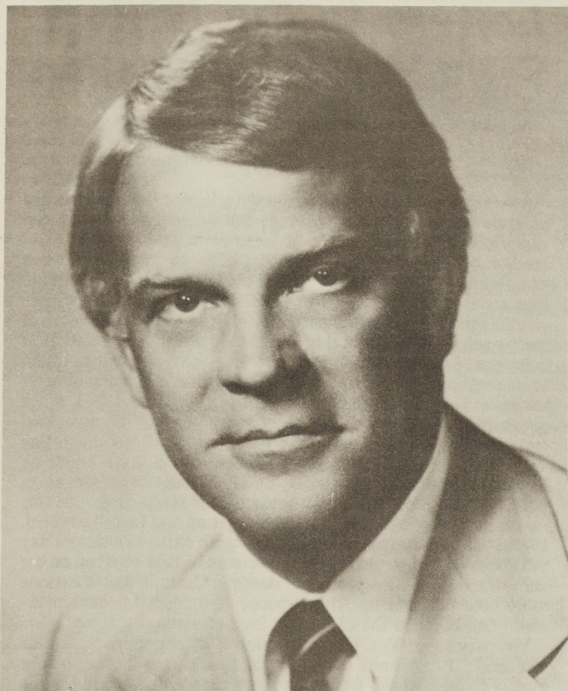
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# Lt. Gov. Mutz to speak



Indiana Lieutenant Governor John B. Mutz will be delivering the annual Oscar C. Schmidt Lecture on free enterprise.

Indiana Lieutenant Governor John M. Mutz will receive the Chauncey Rose Medal and deliver the annual Schmidt Memorial Lecture on free enterprise and its place in the American way of life during a special convocation at Rose-Hulman Institute of Technology Tuesday, May 10.

The endowed lecture is scheduled for 11 a.m. in the auditorium of Moench Hall on the Rose-Hulman campus. The public is invited to attend.

Mutz is assigned more responsibilities than any other lieutenant governor in America. As director of the Indiana Department of Commerce, Lt. Gov. Mutz oversees the state divisions of industrial development, community economic development, international trade, business and financial services, energy, tourism, economic analysis and agriculture.

Working with Governor Robert Orr, Lt. Gov. Mutz has written, helped pass and is now implementing the largest package of job development programs ever passed by any state legislature in the span of two

years.

These new programs include new skills training for workers who are changing industries, grants and loans to communities for infrastructure development, tax abatements for new equipment needed for business to stay competitive, tax credits for research and experimentation, loan guarantees to attract or retain industry, tax credits for investment capital and a corporation to develop science and technology in Indiana.

Mutz is uniquely well-qualified for the position of lieutenant governor, having been engaged in private business and the development of several companies. As a member of the State House of Representatives and State Senate for over 12 years, Mutz became recognized as an expert on state finance and mental health issues. He chaired the State Budget Committee and participated in drafting the Property Tax Control Program.

Mutz is a commissioner of agriculture who owns a farm in Bartholomew County which has been in his family for more than 100 years. Indiana ranks ninth in the nation in farm cash receipts;

more than 200,000 Hoosiers are employed in direct farm-related jobs.

Lt. Gov. Mutz and his wife, the former Carolyn Hawthorne, are both graduates of Broad Ripple High School in Indianapolis. He earned a bachelor of science degree in advertising and business management and master's degree from Northwestern University in 1957 and 1958 respectively. The Mutzes are the parents of two children, Mark and Diana, students at Northwestern.

Established in the spring of 1952 by the Cincinnati Butchers' Supply Co., of Cincinnati, Ohio, the lecture series was given in memory of Oscar C. Schmidt, whose developments and inventions relating to the mechanization of the processing of meats form the foundation of that company's manufacturing business.

Earlier speakers include Sen. Barry Goldwater, J. Erik Jonsson, formerly mayor of Dallas and chairman of the board of Texas Instruments, Inc.; and J. Irwin Miller, chairman of the board of Cummins Engine Company.

## R.A.'s, S.A.'s selected

by Jack Daniel

After many weeks of interviewing applicants, the 1983-84 Residence Hall Staff has been selected. The RA selection came first, with candidates filling out applications and getting recommendations from present RA's. They also had to go through interviews, which lasted approximately 45 minutes. The interviewing was done by this year's Resident Assistants and Tom Miller, Director of Residential Life. In all, there were 33 applicants for the 11 openings next year. There are seven returning RA's.

About the time the selection process for the Resident Assistants was completed, the process for choosing the Sophomore Advisors began. Again, there were forms to fill out — applications to be filled out by the candidate, and recommendations for an RA and SA to complete. The applicants also had to go through interviews, although these did not last as long, only about 20 minutes. Then the RA's discussed the applicants, and the final decisions were made by Tom Millers and Pete Gustafson, Associate Dean of Students.

The residence hall staff for next year, by hall, is as follows:

**BSB Hall:** 1st floor — Ric Stamper, RA; Greg Hoffman and Barry Peterson, SA's. 2nd floor — Lyle Kendall, RA; Bob Myer and Steve Stier, SA's. 3rd floor — Glenn Bridwell, RA; Steve Ghera and Bill Willoughby, SA's.

**Deming Hall:** Basement — Jim Nicholson, RA; Steve Sanders and Robert Wright, SA's. 1st floor — Laszlo Bardos, RA. 2nd floor — Jeff Scott, RA; Bruce Carpenter and Dan Harrison, SA's. 3rd floor — Steve Rugh, RA.

**Blumberg Hall:** 2nd floor — Ken Eads, RA. 4th floor — Tim Eubank, RA.

**Mees Hall:** 2nd floor — Harry Makridakis, RA. 3rd floor — Doug Sprunger and Mike Walden, SA's. 4th floor — Mike Daniel, RA.

**Speed Hall:** 1st floor — Doug Byrer, RA; Stan Pittman and Gary Winzenread, SA's. 2nd floor — Bryan Myers, RA; Scott Sabo and John Thaler, SA's. 3rd floor — Gary Mills, RA; Adam Dixon and John Rhoades, SA's.

**Scharpenberg Hall:** 2nd floor — Tony Koopman, RA. 4th floor — Ted Poulos, RA.

Finally, the **Apartments:** A Section — Bill Lorenz, RA. C Section — Tim Marquart.

## the Rose Thorn

Vol. 18, No. 22      Rose-Hulman Institute of Technology      APRIL 29, 1983

## Students honored at banquet

Forty-six students were presented 58 awards in recognition of academic excellence as Rose-Hulman Institute of Technology conducted its annual Honors and Awards Banquet in conjunction with Parents' Day activities Saturday evening.

Thomas A. Moss, an Indianapolis senior who is pursuing degrees in mathematics and physics, received three honors — the John W. Rhee Award as the outstanding senior physics major, the Carl Wischmeyer Award as the member of the Class of 1983 who completed the junior year with the highest cumulative grade point average (a perfect 4.0), and the Certificate of Merit in Mathematics. Ten other students received two

awards each.

Niles L. Noblitt, a 1973 graduate of Rose-Hulman in biological engineering, received the Distinguished Young Alumnus Award. Noblitt, who is vice-president-Technical Affairs, for Biomet, Inc., of Warsaw, Ind., has made significant contributions to the field of orthopedics through the design of prosthesis and implant devices. Joining Orthopedic Equipment Company shortly after his graduation from Rose-Hulman, he rose to the position

of director of technical services before leaving the company to become a founder of Biomet, Inc.

Frederick W. Garry, vice president-Corporate Engineering for General Electric Company in Fairfield, Conn., was the featured speaker at the banquet. His topic was "Engineering in the World Marketplace."

Garry, a member of Rose-Hulman's Board of Managers, is perfectly suited to address Rose-

Continued on Page 3

## Jacobi wins fellowship

by Tom Vorjohan

Wouldn't it be nice to do a little research in your chosen field over the summer instead of mowing lawns or flipping McDonald's next billion hamburgers? Sophomore Rob Jacobi is getting such a chance.

Jacobi is a pre-med Chemistry major who applied to various colleges in the country for a summer research fellowship. He

was accepted at Bowling Green State University in northern Ohio where he will be working with George Clemans, who is an organic chemist. The fellowship is sponsored by the Petroleum Research Fund.

Dr. Guthrie, Professor of Chemistry, said that it is not common for a sophomore to be chosen for research like this. He will be working in a research group with others who are mostly graduate students working on their masters. Dr. Guthrie feels it will be a great experience for Jacobi because he will learn about graduate work and he will also be able to see how his Rose background compares to other colleges in the country. The experience Jacobi gets will be very beneficial to him and also the Chemistry department since he will be a student assistant next year in one of the sophomore organic labs.

In years past, Rose students have been awarded research fellowships at the University of Georgia, University of Missouri, Ohio State University, Case Western Reserve and others. Besides Jacobi, Eric Murray will also be doing summer research.

Murray is a Junior double majoring in both Chemistry and Physics. He will be working at Ohio University doing research in Physics. Both Jacobi and Murray will be making well over \$1000 and their experience should be worth much more than that.

## Orienteering: "The Thinking Sport"

by Andy Hill

Now and again, one hears the word "Orienteering" mentioned, a word that brings to mind images of something done in sordid, shadowy alleyways with obscure illegal paraphernalia. To those people who know better, orienteering is "The Thinking Sport," an enjoyable pastime for those people who consider the forest more than a convenient place to throw their empty beer cans.

Orienteering is a sport involving both land navigation and running. The meets are held in wooded areas, such as State Parks and Forests, which have had very accurate topographic maps made of them. The maps are normally made to a scale of 1:15000, and almost all features over 1 meter in size are included on the map.

Contrary to what most people believe, Orienteering is not mainly compass work. While compass bearings and pace counting can play an important role in areas where no distinguishing features are available, most orienteering consists of relating the map to the terrain being crossed. It is quite easy to complete an entire course

without ever consulting the compass for more than an occasional direction check, simply keeping track of your course with your thumb, while planning your route and enjoying the scenery.

Meets bear a strong resemblance to a car rally. Competitors are started at intervals of one to two minutes. From the start, orienteers navigate to a succession of check points, which are marked with foot high triangular orange-and-white markers. The markers have an attached punch for marking the "punch car," which is the proof that the point has been found. The markers are hung over, by, or in features on the map, and most of the challenge in orienteering is in choosing the optimum route choice, from one marker to the next, that takes into account the terrain, conditions, and skill of the orienteer.

Attendance at meets varies tremendously, from as few as five at a small local meet, to as many as 800 at a large national meet, such as the U.S. Championships. These numbers are quite small compared to the attendance at meets in Europe,

where thousands of people may participate in such meets as the Swedish 5-day O-Ringen.

Continued on Page 2

## Scholarship awarded

Alan Hippleheuser, a Rose-Hulman Institute of Technology junior from Terre Haute, has been awarded the \$500 Frances Sanders Memorial Scholarship. Alan, who is the son of Mr. and Mrs. Robert Hippleheuser of 4514 Park Lane Court, is studying Chemical Engineering and German Technical Translation. After graduation Alan desires an international position which involves working in Germany.

Hippleheuser has a 3.6 grade point average in German and a 3.1 overall average. He has been studying German formally for the last four years and studied the language informally for two years prior to the formal study. He was a member of the German Club at North Vigo High School, and at Rose-Hulman he helped write the constitution and restart the College's German Club. Alan is the program director of the Rose International Affairs

Association which will be bringing a German consulate on campus next quarter. He is also a member of the Model United Nations, writes for the school newspaper, and has been in several school stage productions.

The Scholarship is given by the Terre Haute German Oberlander Club in honor of Mrs. Frances Sanders, a charter member and first president of the Club, who was dedicated to the young people of this community, to education, and to the promotion of the German culture. The award is given annually to a student at Rose-Hulman to further the student's education and to encourage the advanced study of the German language and culture. The awards are financed by the Oberlander's Oktoberfest, Strassenfest, and other Club activities, and is just one of several methods the Club uses to support the local community.



# EDITORIAL

## Better loan system needed

College students everywhere always seem to have one thing in common — lack of money. Students at Rose-Hulman are not different. In fact, since many students at Rose came from middle class families, there are a great number of students here who must borrow to finance their education.

Student borrowing is not new, but the programs under which a student may borrow are continually changing. One reason for these changes is the incredibly high default rate for student loans. According to government press releases, \$750 million will be available for student loan programs. It also mentioned, however, that an additional \$600 million would be available if students now in default would repay their loans. In a sense, nearly twice as much funding would be available to student loan programs if students did not default on their loans.

This high default rate is a double insult to many Rose students. First, the amount of money available is substantially reduced, making it harder to get a loan, and second, once a loan is obtained it will probably be paid back unlike many other student loans.

There has been talk of a program, however, which will insure that money lent out to students will eventually get paid back. Under such a program, students taking out loans would have the loan linked to their income tax and social security withholdings. After graduation (or dropping out, for that matter) whenever that person has a job, a certain percentage of the earned income will automatically be deducted from his pay. The amount deducted could be progressive, so that a person with a lower income would have longer to pay back the loan than someone with a higher income. At the student's option, the loan could be paid back at the normal, faster rate.

Such a program would be a "minimum safety net," not for the student but for the government. In addition, should a student be unable to find work, he would be not be penalized by having to make loan payments. Yet when the student does find work, part of his first paycheck will go to repaying his loan so that other students can have funds available to them.

While the rate of return will be substantially less under this program, it would be higher than no return at all, which occurs in many cases under the current program. In addition, this type of program has the advantage of being fair to everyone: the students with the loans, the federal government, and the students of the future. For this reason the federal government should give serious consideration to such a loan program.

## Orienteering cont.

Courses at major meets come in six levels of difficulty: White (1-3 km); Yellow (3-5 km); Orange (4-6 km); Green (4-7 km); Red (5-8 km); and Blue (8-12 km). Distances are the so-called "optimum route," the actual amount travelled is usually more, depending on the route choice. Along with the increase in distance, there is a corresponding increase in the difficulty in point placement. While a White or Yellow course may have most points on obvious features, such as roads, paths or stream junctions, advanced course, such as Red or Blue will have points on more subtle, hard-to-find features, such as small pits (marker in the pit), shallow ditches, or simply the boundary between two different types of vegetation.

The need for accurate, quick thinking while on the run leads to much of the attraction of orienteering, and has earned it nicknames like "Cunning

Running" and "The Thinking Sport." While world class orienteers are both fleet of foot and quick of wit, on the lower levels of competition orienteers who are not in the best of shape, but are good navigators, can many times beat the orienteer who runs pell-mell through the course, overshooting the points or becoming totally lost.

Not all orienteers participate competitively. Many orienteers simply for the pleasure of being surrounded by nature, tramping through the woods from point to point, doing what is accurately termed a "map hike." Instead of being stuck to marked trails, as most hikers would be, a map hiking orienteer is free to cut cross-country, away from the beaten trail.

The Rose Orienteering Club is the local organization for those interested in the sport. It is open to all Rose-Hulman students and faculty, as well as interested persons from ISU, Saint Mary's,

and the Terre Haute area in general. For club members from Rose, the club pays for gas to and from meets as well as meet registration fees, leaving only the food costs to be paid out-of-pocket. The club usually camps at the site, although in unusually bad weather, a hotel may be used. In the past few years, the club has travelled to such exotic areas as St. Louis, Chicago, Carbondale Ill., Buffalo N.Y., and Reading Pa. These meets offer a golden opportunity to escape from campus and relax for a weekend.

Although the spring season is almost over, there are two upcoming meets for the Rose OC. On Saturday, May 7, a local meet will be hosted by the club, and on the weekend following, the club will travel to Athens, Ohio, for a weekend that promises to be just excellent. Anyone who is not on the club roster and is interested is encouraged to make inquiry to Box 875.

## FRANKLY SPEAKING ...by phil frank

NORMALLY I WOULDN'T TAKE A POSITION AT THIS SALARY, BUT SINCE IT DOES INCLUDE A CAR AND AN EXPENSE ACCOUNT...



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## Letters to the Editors EE's are overworked

"I think that a student should spend about 5 hours on a lab."  
— Voltmer to his EE class concerning outside time on this course.

Assuming a student to be perfectly efficient — i.e. he wastes no time on anything but survival and academics —, one can easily calculate the amount of time demanded of him. At 17 credits by five hours per credit yields 85 hours per week dedicated to course work outside of the lab or classroom. Add to that another 25 hours spent in the classroom or laboratory per week. Since the student is perfectly efficient, he gets 8 hours of sleep each night for a total of 56 hours in a week. Add to that 1/2 hour per day per meal at 2 meals a day (he doesn't like breakfast) or 7 hours, an hour a day for time preparing himself to face the world (showers, getting dressed, and other necessities) and getting to bed, 1/2 hours per day falling asleep and going to the john (he's perfectly efficient, remember). The total now stands at 187 hours per week. Since there exists by definition, 168 hours in a week, he is 19 hours over budget.

What is he to do? He cuts 3 hours off his sleep time. But this makes it harder for him to wake up, get up and face the world. Hence the 2 hours gained is eaten up by an extra 1/2 hour per day in time required to overcome the effects of lack of sleep on the homework (he's also perfectly sleepy). Hmmm. Let's cut one more hour off of sleep. This produces the needed hour to overcome and balance the effects of lack of sleep.

You may say, "Yes, but who spends 5 hours per credit outside of class?" I only need to say to you that he has 2 other 3 hour labs per week whose write-ups more than compensate for the lack of time given to those other courses. So the student stands at:

Course work (outside)	85 hours/week
Class time	25 hours/week
Sleep	4 hours/night
Eating	1 hour/day
Personal hygiene	1 hour/day
Travel time (to/from class)	1/2 hour/day
Time falling asleep, etc.	1/2 hour/day
Time spent to overcome lack of sleep	1 1/3 hours/day
Total	168 hours/week

Who could have a schedule like this? Only a Sophomore EE at Rose-Hulman Institute of Technology. They have a patent on this schedule!

Christopher Wadsworth Longfellow  
(submitted by Ken Gravenstede)

Response:  
Whine, whine, whine.

Laszlo Bardos

## Student courtesy questioned

April 21, 1983

Dear Editor:  
Are students at Rose so starved from social graces that they do not know how to present themselves in an "other than men" atmosphere? Recently, I brought my wife on campus and was rather repulsed by the language and attitudes flagrantly demonstrated by several students. This opened my eyes to the prevalence of this type of attitude on our campus.

In an Institute that has the main purpose of educating young men to be future professionals we should be striving toward developing professional attitudes. This includes learning social graces that are acceptable to all, not creating a locker room atmosphere. This begins by first thinking of others and what might be offensive to them not

by wallowing in self bliss and spewing forth with anything and everything that may come to mind (even if one is struggling with a most painstaking computer program or over-indulging in the excitement of a tremendously important softball game).

An Institute, of such caliber as Rose, which is so often frequented by interviewers, prospective students and their families, students' wives and occasionally faculty wives, should carry an attitude of pride in quality, not in social retardation. I realize this whole situation has arisen from the fact that we are an all men's school and as such we have allowed our egotistic natures or whatever our concept of self is to take over and inflate us to the idea that we are the elite. We are Engineers. We will get jobs, high paying no less. Well, I am sure that we are aware of the real truth. But, unless a new attitude is developed we shall hear a hissing of deflating egos occurring come senior year and following graduation.

This is not a plea for coeducation at Rose although I do believe if Rose were coed there would be an extreme difference in expressed attitudes. Impropriety would be much less recurrent. A much more professional attitude would exist and it would be much easier to be proud of showing off Rose if one did not have to worry about being embarrassed by the language, etc., around the next corner.

It might also be pointed out that the chances are great that we will work with women engineers and we would do well to learn to respect their presence now. This is not to say that women cannot be as crude as men but if we do learn to respect their presence and preserve the dignity of all in a professional manner then, and only then, will all benefit.

Something to think about and act upon.

Submitted by several students and wives.

## ROTGSOTC reviewed

The opening night for "Roar of the Greasepaint Smell of the Crowd" was not the best night to write a review by. The audience was small and due to its size was not very responsive to the play. Despite this problem the play was very entertaining.

The two main characters, Sir and Cocky, were played very well by Richard Payonk and Steve Spickelmire respectively. Both characters were a joy to watch and both Steve and Richard lived up to their roles. These were the characters though that really needed a larger audience. Their jokes were mainly on themselves and the small audience just did not pick up on lines like "By the beard of Queen Victoria..." This hurt the play that night but if attendance is better tonight and tomorrow you won't see that problem.

Chuck Moss made his Rose Drama debut two years ago in "1776" where he practically stole the show. This year he surpassed his past performance by a long shot. Chuck's character doesn't have much depth and only one song — but what a song!

The front row may never recover. Chuck's singing alone pays for the admission price. Great job Chuck, and by all means stay involved in RDC.

Seven Rose students performed the role of urchins. These cast members weren't given much to say but three urchins, John Rohlfing, Sam Dlugach and Dana Simonson, showed through a range of expressions how you can let your face do most of the talking. Most of the rest of the urchins, along with Mike Gregory (the Kid), also gave wonderful performances.

The orchestra gave a few sour notes during the play but with the difficult music involved in this play certainly demands that they should be given some acknowledgement for a job well done which they didn't receive. I don't know what everyone else has against you but I applaud you and your performance.

The play will be held again tonight and tomorrow night at 8:00 p.m. and I encourage anyone wishing a fun evening of entertainment to attend.



# Thorn Sports

## Mutchner recruits four freshmen

Capping off one of his most successful recruiting seasons at Rose-Hulman, John Mutchner, head basketball coach of the Fightin' Engineers, will add four outstanding recruits to a team that returns last season's entire starting five.

Entering Rose-Hulman this fall are:

Marc Ruhling, a 6-5 guard from Goshen High School.

Jeff Rea, a 6-6 forward from Attica High School.

David Plantz, a 6-5 forward from LaPorte High School.

Jon Homer, a 6-3 guard from Madeira High School in Cincinnati.

"We feel we have had an outstanding year," noted Mutchner. "This has been one of the best in my 20 years, we have two blue chip forwards in Rea and Plantz, as well as two blue chip big guards in Ruhling and Homer. All four players should make a significant contribution to our program next season."

The Engineers needed a strong recruiting year as next year's graduation exercises will see this year's starting five and one strong bench player leave the

Rose-Hulman campus.

Ruhling and Homer will help fill any needs at the guard spot.

Ruhling, son of Mrs. Beverly A. Ruhling, 1314 S. 12th St., Goshen, averaged 20 points per game for Coach Jim Welsh's Goshen High School team. Named first team Academic All-State, Ruhling was also Goshen's most valuable player in addition to drawing All-Northern Lakes Conference and All-South Bend area honors.

Ruhling will attend Rose-Hulman on an academic scholarship majoring in aerospace engineering, an option of the mechanical engineering department.

One of two Cincinnati area players selected to play in the Ohio North-South All-Star game, Jon Homer averaged 23 points and 11 rebounds per game at Madeira High School in Cincinnati. Coached by Bob Gardner at Madeira, Homer was named first team All-Southwestern Ohio and third team All-State.

The 6-3 Homer is the son of Mr. and Mrs. John T. Homer, 7313 Juler Ave., Cincinnati.

"I have always liked big guards for defensive purposes and guards 6-3 and 6-5 are hard to find at the Division III level," commented Mutchner, who was quick to add, "I feel we have two good ones in Jon Homer and Marc Ruhling." They will fit well into our program, both are great outside shooters, and that is something we lacked this year."

The Engineers will be deep at forward with the addition of Plantz and Rea to the Rose-Hulman front line. "I am pleased that Jeff Rea and David Plantz have decided to attend Rose-Hulman," commented Mutchner. "I have no doubt that these two players will have a significant impact on our program in the next four years."

Rea, son of Mr. and Mrs. James Rea, 300 E. Columbia, Attica, averaged 18 points and ten rebounds per game at Attica High School and according to Mutchner, "was one of the key people on a fine Attica team which finished the season 23-3."

Playing under Coach Don Burton at Attica, Rea was selected first team Academic

## Track running strong

by Dale Bennett

The Rose-Hulman track team has compiled a very impressive 5 - 1 record before entering the Indiana Little State Championships and the C.A.C. Spring Sports Festival. The season has been marked by many outstanding accomplishments in both the field and running events.

According to head coach Bob Thompson, Rose has "the best threesome in the country" in the discus event. They are sophomores Stacey Himes and Marty Jones and senior John Singleton. Thompson emphasized the fact that it's very possible to set a new school record at every meet. Currently, Himes holds the record of 160 ft. and 3 in. It should also be noted that all three of these men have qualified for the NCAA Division III National Meet, a first in the school's history, to be held at North Central College in Naperville, Ill. on May 25-29.

Senior John Singleton has also qualified for the National Meet in another event. He broke the school record in the shot put with a throw of 55 ft. and 4 1/2 in. and in doing so, gained entry into the National Meet. Another school record breaker this year is Freshman Brian Cavagnini who ran the 200 meter dash in a record time of 21.95 seconds.

Even with all the individual accomplishments, Coach Thompson is quick to point out that "the track team has enjoyed great success this season because all 43 men have contributed to the team effort." With this in mind, the seven seniors (John Singleton, John Smith, Mike O'Brien, Tom Redford, Eric Mrozek, Rex Beach and Dave Barnes) will be looking for the fifth straight conference championship for the school which will be held here on the Rose-Hulman campus on May 6-7.

all-State and nominated as a McDonald's All-American in addition to being named to All-Bi-County and All-Wabash River Conference teams.

Plantz, who played under coach Joe Otis at LaPorte, averaged 16 points and nine rebounds his senior season.

Planning to major in chemical engineering, Plantz is the son of Mr. and Mrs. Kenneth Plantz, 1104 F Street, LaPorte. The elder Plantz was the former head basketball coach at Indianapolis Shortridge High School.

"Plantz and Rea are natural forwards and at 6-5 and 6-6 they will fit well into our offense," commented Mutchner. "Both are fine corner shooters in addition to being able to go outside and handle the ball." Our motion offense necessitates that our guards can go inside and our forwards go inside and with these four recruits it will work well."

Next season's recruiting effort will be geared toward the big man's spot on the floor, according to Mutchner. "The entire thrust of recruiting next year will be toward getting a center to replace 6-8 Dean Stanley, who like this season's entire starting five, will graduate in 1984."

Mutchner should have good depth in all classes for the 1983-84 basketball season with the addition of this fall's freshman class. "I have always liked to keep our players spread out over the four classes so we can have continuity in our program," noted the veteran coach. "With players in every class we never really get hurt too badly by graduation."

Rose-Hulman will be aiming for its tenth straight winning season and fifth trip to the NCAA Division III basketball tournament in eight years during 1983-84.

## Awards cont.

Hulman's high-achievers, having graduated from Rose in 1951 with the school's first 4.0 cumulative grade point average.

"Young engineers must help this country maintain and, in some cases, regain its technological leadership in the world market," Garry told his audience. "Basically, young engineers must exercise creativity, take the responsibility for quality in a non-technically oriented society, and maintain technical competency in a period of rapidly-progressing technology."

More than 80 percent of the parents of the students honored — some traveling from both coasts — attended the honors banquet.

A list of the awards follows:

**American Institute of Chemical Engineers Award** (top grade point average among junior chemical engineering majors) — Bryan R. Matthews, Hobbs, N.M.

**E. Dean Powell Award** (outstanding junior chemical engineering major) — Bryan R. Matthews.

**Omega Chi Epsilon Award** (outstanding service to the chemical engineering department) — Peter X. Dodge, Duluth, Minn.

**CRC Press, Inc., Freshman Award** (freshman chemistry) — Robert G. Jacoby, San Francisco, Calif.

**W. A. Noyes Award** (outstanding senior chemistry major) — Roger L. Maness and Michael P. Setter, both from Cincinnati, Ohio.

**The Coblenz Society Award** (excellence in spectroscopy) — Roger Maness.

**John White Award** (outstanding senior chemistry major) — Michael P. Setter.

**Undergraduate Award in Analytical Chemistry** — Eric R. Murray, S. Portland, Me.

**The Pfizer, Inc., Award** (outstanding senior chemical engineering major) — C. Kurt Svihla, Terre Haute.

**Electrical Engineering Sophomore of the Year Award** — Stephen K. Proffitt, Knoxville, Tenn.

**Institute of Electrical and Electronics Engineers Outstanding Member Award** — Steven S. Shuman, Merrillville, Ind.

**Outstanding Senior Electrical Engineering Award** — John R.

Marum, Arlington Heights, Ill.

**Clarence C. Knipmeyer Award** (outstanding junior electrical engineering major) — Paul C. Griffith, Columbus, Ohio.

**Wall Street Journal Award** (outstanding achievement in economics courses) — Edward A. Roback, Park Ridge, Ill.

**John G. Biel Economics Award** (outstanding economics student) — Samuel H. Christie, IV, DePauw, Ind.

**The Cummins Engine Company, Inc., Award** (outstanding senior mechanical engineering major) — Kevin W. Cvangros, Clinton, Ind.

**The Mueller Company Award** (outstanding junior mechanical engineering major) — David J. Patterson, Franklin, Ind.

**American Society of Civil Engineering Alumni Award** (outstanding service to the civil engineering department) — Terrence F. Schuster, Merrillville, Ind.

**Indiana Section ASCE Outstanding Student Award** — David J. Elmer, Huntingburg, Ind., and Jeffrey G. James, Fort Wayne, Ind.

**Edward A. Maclean Award** (excellence in mechanics courses) — John G. Knust, Ferdinand, Ind.

**Shelton Hannig Award** (outstanding senior civil engineering major) — Paul A. Hummel, Bremen, Ind.

**C. Leroy Mason Award** (outstanding sophomore physics student) — Michael L. Sundheimer, Warsaw, Ind.

**John W. Rhee Award** (outstanding senior physics major) — Thomas A. Moss.

**Physics Outstanding Teaching Assistant Award** (one-time award in recognition of service) — Stephen Spicklemire, Indianapolis, Ind.

**Certificates of Merit in Mathematics** — Randy L. Ekl, North Huntingdon, Pa.; Paul C. Griffith, Columbus, Ohio; William H. Heller, Downers Grove, Ill.; J. Anthony Kirk, Elkhart, Ind.; John R. Marum, Arlington Heights, Ill.; Thomas A. Moss, Indianapolis, Ind.; and Brian K. Wade, Friendly, Md.

**Theodore Pain Palmer Award** (outstanding freshman mathematics student) — Bruce F. Carpenter, Shelbyville, Ind., and Todd G. Fine, Whitehouse, Ohio.

**Clarence P. Sousley Award** (outstanding mathematics student — not necessarily awarded annually) — William H.

Heller, Downers Grove, Ill.

**Carl Wischmeyer Award** (top grade point average after junior year) — Thomas A. Moss.

**Paul N. Bogart Prize** (top grade point average after sophomore year) — David J. Patterson.

**Heminway Bronze Medal** (top grade point average after freshman year) — Laszlo C. Bardos, Germantown, Tenn.; Paul J. Barloon, Fort Atkinson, Iowa; Bryan J. Harmon, Greenwood, Ind.; Robert G. Jacoby, San Francisco, Calif.; Jan M. Loisch, Elkhart, Ind.; Gene W. Marsh, Hamlet, Ind.; Maximino R. Pabia, Singapore; and Michael L. Sundheimer, Warsaw.

**Frances Sanders Memorial Oberlander Scholarship** — Alan L. Hippleheuser, Terre Haute, Ind.

**Pawley Foreign Study Scholarships** — Donald L. Burdette, Clarence, N.Y.; Eric S. Carlsgaard, Martinsville, Ind.; James B. Clark, Plain City, Ohio; Daniel R. Crane, Burlington, N.J.; David A. Goy, Wolcott, Ind.; Mark R. Lee, Fort Wayne, Ind.; Gene W. Marsh, Hamlet, Ind.; Jeffery S. Reynolds, Anderson, Ind.; John H. Rohlfing, Greenwood, Ind.; John A. Weigel, Jasper, Ind.; and Patrick P. Wildemann, Evansville, Ind.

**Distinguished Young Alumnus Award** — Niles L. Noblitt, Warsaw, Ind.

## The THORN

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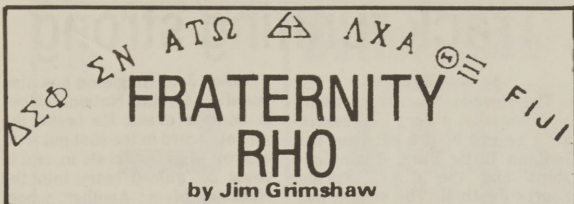
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by Jim Grimshaw

Lambda Chi Alpha took 4 of the 6 events last Sunday to win for the 18th time in this 19th year of the Greek Games. They took firsts in the cart race, canoe race, tug-of-war and the obstacle course. Sigma Nu won the 15-man pyramid contest with a perfect 5-0 record and Fiji won the Songfest for the 4th year in a row. Since Lambda Chi Alpha won the cart race, canoe race and obstacle course for the third year in a row, those trophies will be retired and become a permanent part of their showcase. The final standings for the games were: Lambda Chi Alpha, Sigma Nu, Fiji, Alpha Tau Omega, Triangle and Delta Sigma Phi, respectively. Joe Burns, chairman of the games for his second year, said the attendance at the games was down this year. The weather was sunny the entire day although brisk winds kept everyone on the chilly side.

In other fraternity news, the pledge class of Alpha Tau Omega held their annual pledge dance for the active chapter on Friday, April 22. The dance theme was "Hawaiian Nights," and the hall was decorated with palm trees

and other tropical garnishments. The dance is the culmination of a quarter and a half of hard work, in raising money and making all the necessary preparations for such an event.

## Civils sweep awards

Rose-Hulman Institute of Technology's student chapter of American Society of Civil Engineers walked away with a lion's share of the awards at the annual meeting of the state organization of the ASCE hosted by Purdue University.

The following awards went to Rose-Hulman:

\*The outstanding Indiana student ASCE award

\*The highest national ASCE membership of any student chapter in Indiana

\*Outstanding Students Awards to seniors Dave Elmer and Jeff James

\*Outstanding Faculty Adviser Award to Dr. Cecil Lobo, professor of civil engineering

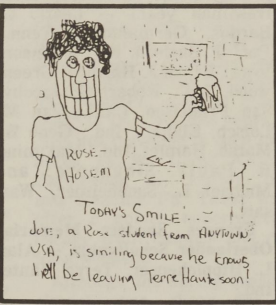
\*Outstanding Contact Member Award to Dr. James McKinney, chairman of Rose-Hulman's Department of Civil Engineering

The student winners were selected on the following criteria: 1) activities in the ASCE Student Chapter; 2) enthusiasm for civil engineering; 3) imagination and ambition in civil engineering as evidenced by the student's method of civil engineering project solution; 4) summer or other employment related to civil engineering; and 5) scholastic performance in civil engineering subjects.

Elmer, a 1979 graduate of Southridge High School near Jasper, is an honors student whose civil engineering concentration is in structural engineering. He is a four-year letter winner in cross country, and three-year member of the residence hall staff (sophomore

adviser and resident assistant his junior and senior years). During the summer of 1982 Elmer was employed by Bovay Engineers in Houston where he was involved in the design of a 60,000 square foot structural steel aircraft hanger for the Dallas/Fort Worth airport. James, a graduate of Homestead High School near Fort Wayne, also is an honors student with a concentration in structures. He recently was initiated into Tau Beta Pi, national engineering honorary, and is active in intramural athletics. His summer job experience includes structural engineering and analysis as an apprentice engineer for the Terre Haute office of Archonics Design Partnership.

It was noted that the Rose-Hulman ASCE chapter numbers 52 members, or 56 percent of those eligible for membership from the Rose-Hulman student body. Runner-up Purdue University has an active membership of 26, or slightly over five percent of its students eligible for membership in the ASCE.



considered the largest by sheer mass alone. When asked about the display, one M.E. commented "Well, it wasn't actually planned as a display, we just forgot to clean up after our last A.S.M.E. meeting." The M.E. show was marred, however, by the fact that many M.E.'s could not get their cars started to make it to the Rose Show on time.

An exciting new precedent was set at the show when for the first time the Chem E's exhibited an experiment which had not been shown consistently for the last ten Rose Shows. This involved a large paper recycling process in which senior Chem E's rejection letters could be recycled into new resumes ready to be sent right back out. The Chem E's also had the old standby of Sam Height's Hair Tonic which included a pocket size Van der Graff generator. The remainder of the Chemical Engineering section was filled with the typical "Colorless Kool Aid" and other tasteless exhibits.

The civils won the competition for the first time in history after a judge mistakenly overheard Cecil Lowblow say "... the construction of Olin Hall was a senior design project..." when the full quote was actually "Watching the construction of Olin Hall was a senior design project."

## Springfest is tomorrow

tomorrow.

Frisbee Golf competition will kick off the day's event at 10:00 a.m. Teams of one or two can compete in this relaxing sport. At noon volleyball warm-up begins, with single elimination competition to start later in the day at 12:30. At 12:20 Event Horizon will start out the music, followed by the Bob Turner Band. (Babe was unable to attend due to the injury of one of

its musicians.) The Tug-of-War contest starts at 2:00 p.m. with teams of up to seven people.

The finals in the Battle of the Air Bands will occur at 2:15, followed by the Hotdog Eating Contest, the Chocolate Cream Pie Eating Contest and the Punch Chug Contest at 2:30.

The Frisbee Distance Throw Contest will happen at 3:00, followed by the main musical event Roadmaster at 3:30.

## Daffynitions



by John Rohlfing

It would seem that today's media is highly concerned about disasters and natural catastrophes (large and small). So in keeping up with the fashion, this week's column is devoted to the same.

auto accident — a head-on collision between two stationary cars parked on their own side of the road.

crop failure — my grain headache.

drought — a period during which you can get the dresser

drawers open.

earthquake — acre shaker.

erosion — the great terrain robbery.

flood — a stream too big for its bridges.

fog — the air apparent.

hail — ice crispies.

nuclear fallout — fission chips.

panic — kiss the poise goodbye.

riot — crowdburst.

volcano — mountain with hiccups.

## Investment contest completed

by Dana Hofheins

The Investment Portfolio Contest sponsored by the Economics Club drew to a close on the first of April. After several months of trading by contestant investors in the New York and American Exchanges, each portfolio was reviewed and the three portfolios with the most gain on their original investment of \$10,000 were selected as the winners. Todd Alden received \$30 for first prize. Gary Rodmaker received \$20 for second prize and Meredith Vannauker received \$10 for third prize.

## Page 5:

## Progeny presentation proves profitable

Parents' Day saw a flurry of activity last weekend as Moms and Dads from across the country, but mainly from Indiana, were suckered into showing up for the event. The weekend, which is usually foreshadowed by the installation of toll booths and parking meters throughout campus by the Development Office, was described by the administration only as "profitable."

Events started bright and early Saturday morning with an Equestrian riding show sponsored by Saint-Mary-up-vour-Woods College which was immediately followed by the Father and Son Horse Chip Throwing Contest. Dr. Sam Hulburp gave the opening address, commenting that he's "never seen so many smiling pocketbooks, er, parents..." He then urged both couples to go up and visit the Rose Show.

The Rose Show is regarded to be the main attraction of Parents' Day and consisted of displays in every discipline to show parents on what students spend their parents money. Walking north in Moench Hall the first department encountered was that of Civil Engineering. Here parents could see dirt and water being mixed and examples of lab books where the students had stayed inside the lines. The finale, of course, was the Tacoma Narrows Bridge

Busting Contest in which civils try to design bridges which will not collapse under their own weight. Unfortunately, there were no winners again this year.

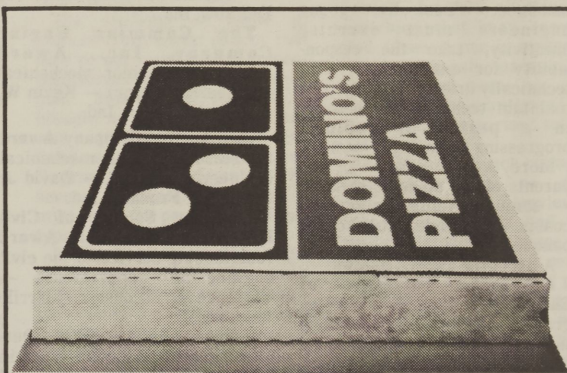
Proceeding down the hallway, parents stumbled across the Electrical Engineering section's displays, or at least across the cords leading to the displays. Many senior E.E.'s had shown up to display their senior design projects, so the rooms were filled with many wires and flashing multi-colored lights, most of which were wrapped around fir trees for some reason. Underclassmen displayed their electrical prowess by making toast with only the aid of an internal combustion engine driving an electric generator coupled to an electric motor which turned a rotisserie on which the toast browned over an open flame. Some faculty members were also on hand to answer questions and comments about the exhibits. Junior E.E.'s also organized "whinefest," a chance to childishly complain about how hard their courses are.

The Mechanical Engineering Department showed its true colors with perhaps the largest beer can collection in the state. While the collection had only two different types of cans (Red and Trite, and Old Moldwaulke, but all were empty) it was

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