

Rose-Hulman Institute of Technology

## Rose-Hulman Scholar

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The Rose Thorn Archive

Student Newspaper

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### Volume 16, Issue 6- October 17, 1980

Rose Thorn Staff

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## Board of Managers discusses proposed classroom structure

by Don Dodson  
Senior Reporter

The construction of the new classroom-laboratory building and a five-year plan for the computer center were two of the items discussed during the Oct. 2 meeting of the Rose-Hulman Board of Managers.

The board, which meets in October, February, and May each year, met in committees in the morning before regrouping for a general session in the afternoon in the Moech Hall Auditorium. Of the 42 members on the board, 24 were present, 14 were absent, while four seats are vacant.

The general session included an address by President Samuel Hulbert on the State of the Institute, an endorsement of the computer center proposal, a discussion about the school's dependence on

state and federal funds, and approval of a slate of officers.

In his report to the board, Hulbert noted that representatives from the Olin Foundation will be visiting the campus in November to determine whether the foundation will help underwrite the construction of the proposed classroom-laboratory building.

The structure, which has an estimated cost of \$4.2 million, would be built adjoining the front wing of Moech Hall on the west. So far, about \$1 million has been designated for the building, and a grant from the Olin Foundation could strongly influence the timing of construction.

Hulbert also said that room and board charges must be significantly increased — 15 to 20 percent — for the 1981-82 school year. He pointed out

that the Institute has the third lowest room and board charges in Indiana, and that, despite an increase, the cost would still be comparable to those at other Hoosier colleges.

Among other remarks that Hulbert made were (1) Rose has a record high enrollment this year; (2) despite a nationwide shortage of engineering professors, Rose has only one vacancy on the faculty; (3) student housing problems have been minimized with the renovation of Deming and BSB halls; (4) a record high number of recruiters were on campus during the 1979-80 school year; (5) that year was also the second best year in terms of money received for development (2.1 million).

In board action, the board's Academic Affairs Committee recommended the adoption of a five-year plan submitted by the Computer Center Committee, but referred the matter of

funding to the board's Executive committee. Hulbert said that he will ask the Executive Committee to approve the plan once it has determined the method of funding.

Also discussed was the dependence on government funds for the operation of the Institute and what might follow should the legislature not appropriate expected funding. About half of the operating budget of Rose-Hulman comes by way of students from state and federal programs.

Board members were also asked at the meeting to nominate names of prospective board members to fill four vacancies. Also, the board officers were re-elected to their positions. They are Thomas W. Binford, chairman; Jack Ragle, vice-chairman; Marshall T. Hubbard, treasurer; and James C. Skinner, secretary.

# the Rose Thorn

Vol. 18, No. 6

Rose-Hulman Institute of Technology

October 17, 1980

## Rose accepts new frat

by Bill Chappell  
News Editor

Delta Sigma Phi has become the newest fraternity at Rose-Hulman. The fraternity received final permission to establish itself on the Rose campus at a faculty meeting on October 7.

The idea of forming a seventh social fraternity at Rose was developed by a group of students last spring. These students sought a new fraternity because they were dissatisfied with the choices they were offered. Since then, the interested group talked to over ten fraternities, and seriously interviewed with four, before selecting Delta Sigma Phi.

Delta Sigma Phi was founded in 1899 at the College of the City

of New York. Currently, Delta Sigma Phi ranks twelfth nationally among fraternities in membership and fifteenth in number of colleges.

At present, the fraternity has approximately thirty members at Rose, divided fairly evenly between sophomores and juniors.

The process of establishing a new fraternity on campus was an involved one. After selecting Delta Sigma Phi, the students submitted a petition requesting that they be granted the right to form a new fraternity.

The proposal was taken up by an ad-hoc committee led by Dr. Al Schmidt. After receiving the approval of the committee, the matter was brought before the Inter-Fraternity Council (IFC), which is the governing body of the fraternities. With the consent of the IFC the petition was placed before the faculty, which voted to accept it.

Under the rules of the school, the fraternity will remain a "colony" for a two-year probationary period while it attempts to establish itself as a viable operation. The only other fraternity at Rose to be established under the present rules is Phi Gamma Delta, which received its charter in 1969.

Phi Gamma Delta requested, and received, permission to shorten its probation to approximately fifteen months after it reasonably demonstrated

its viability.

Among the many problems confronting the new fraternity, none is so important as locating a fraternity house. Although hampered by Terre Haute zoning laws, the fraternity believes it has located a possibility.

Delta Sigma Phi has hired Dr. Daryl Logan as a structural engineer to examine the building. If it receives a satisfactory report, the fraternity will begin proceedings to purchase the house.

Although understandably lacking in funds, the local chapter will receive aid from the national organization of Delta Sigma Phi in securing a loan. Delta Sigma Phi talks about the possibility of moving into the house in the spring.

The new fraternity faces other problems as well. The fraternity has not yet gotten itself organized; it still has no elected officers. It has also lost considerable ground to the established fraternities in rushing the freshmen.

Delta Sigma Phi has shown signs of progress, however. It has a faculty representative, Dr. Robert Howland. It has also performed its first service project, parking cars at the Harry Chapin Homecoming concert. It has a football team in the intramurals, and has entered a team in the College Bowl.

Its status remains uncertain, but Delta Sigma Phi bears watching.



The comedy team of Edmunds and Curley, have been seen many times on such shows as the Tonight Show, Mike Douglas, Merv Griffin, and various PBS Specials. They have also just released the Comedy Film. They will be performing here on Saturday, October 18. Their performance is scheduled for 8:00 P.M. in the WORX. "In the past six years, Joey Edmunds and Thom Curley have become the number one comedy team in terms of college appearances." (Billboard, 1978) Over 1,400 college performances in 46 states and Canada have kept Edmunds and Curley in front of their favorite audience. In concerts, Edmunds and Curley have performed as the opening act for such stars as John Denver, Harry Chapin, and Billy Joel.

## Hite honored as recipient of 1980 Inland-Ryerson Award

Dr. Sam C. Hite, professor of chemical engineering and head of the Division of Chemistry and Chemical Engineering at Rose-Hulman, is the 1980 winner of the Inland-Ryerson Foundation Outstanding Award at Rose-Hulman.

A native of Fort Wayne, Professor Hite earned the B.S. and Ph.D. at Purdue University. Upon completion of the B.S. in 1943, he was asked to stay on and teach chemical engineering at Purdue — a rare feat for an undergraduate. He continued his studies while teaching at the university and completed his Ph.D. in 1951.

In 1957 he moved from Purdue to the University of Kentucky to establish the Department of Chemical Engineering at that institution and to serve as department chairman.

Professor Hite joined Rose-Hulman as chairman of chemical engineering in 1966 and has been a leading force in the growth of chemical engineering from a program which graduated 12 in 1967 to the 73 seniors scheduled to be graduated in 1981.

Dr. Hite, who also has been named the Dean's Outstanding Teacher at Rose-Hulman, is a member of Tau Beta Pi, national

engineering honorary; Sigma Xi, international research honorary; Omega Chi Epsilon, national chemical engineering honorary; Sigma Pi, Catalyst, Lamp and Cross and Alpha Chi Sigma. His distinctions include serving as national president of Omega Chi Epsilon.

The Inland-Ryerson Award, which has been given at Rose-Hulman since 1978, includes a check for \$1,000. Since establishment of the Inland-Ryerson Foundation in 1957, support to higher education has consistently remained a primary area of foundation grants. This support has been based on the conviction that private enterprise and independent colleges and universities are two of the principal non-governmental institutions in our society.

With this philosophy as a guiding force, the foundation established a program specifically directed to outstanding college teachers. Primary criteria for selection are dedication to the individual student and emphasis on undergraduate teaching rather than educational research, publication or administration.

Sam Hite fits the criteria to a "T."

In presenting Professor Hite for the honor, Rose president Dr. Sam Hulbert described Hite as "a person who exemplifies the work ethic as well as anyone we have around here . . . a real tough guy in the classroom and laboratory. But behind the 'tough guy' facade is a man with a big heart, a man who cares about every student."

## Fijis fight dystrophy

The FIJIs need your help to fight muscular dystrophy. They are sponsoring a dance-a-thon called Superdance for M.D. It begins at 9:00 p.m. on October 17, and will last 20 hours, until 5:00 p.m. on October 18. Live bands including Rage and disc jockeys from three radio stations will provide the music.

Prizes will be awarded to the individual and group who dances the complete time and brings in the largest donation. Door prizes will also be awarded during the dance.

Meals and refreshments will be provided by McDonalds, Wendys, Royal Crown Cola and other businesses. How do you participate?

First: Have your friends,

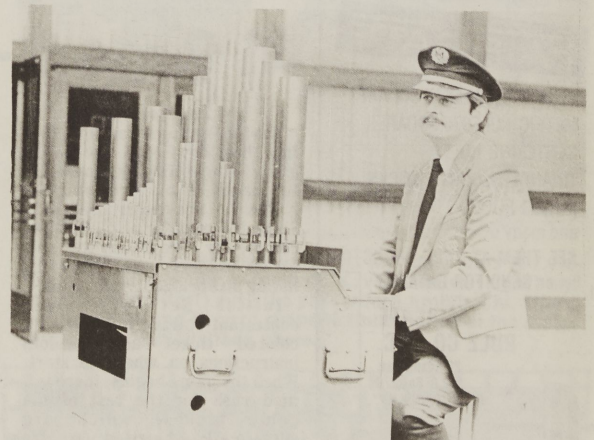
relatives, professors, or even yourself sponsor you to dance. This is not a pet-hour sponsorship, but a lump-sum donation. A minimum donation of five dollars is required.

Second: Show up at 8:15 on Friday to register. You must register at this time in order to be eligible for the prizes awarded for the largest donations. You may begin to dance at any time and still be eligible for door prizes.

Third: Begin to dance at 9:00 p.m.

Information and sponsor forms are available at the FIJI house, McDonalds (7th and Poplar) and Wendy's (229 S. 3rd Street).

Come and Dance — have fun and help fight M.D. at the same time.



The calliope that was heard during Homecoming weekend was originally built during the 1920's early. It was obtained from the collection of the late Tony Hulman. Mr. Larry MacPherson rebuilt it and played it before and after the football game. It is now a permanent part of Rose-Hulman. The athletic department is currently trying to find a student to play it at future football and basketball games. (Photo by Rick Anderson)

# Editorial Thorn

EDITORIAL

by John Sparks  
Editor

Students working toward the establishment of a new fraternity at Rose-Hulman are inching closer to their goal. Some of the pieces of a dream that appeared so unreachable just a short time ago are now falling into place. And although much work must still be done, it does appear that the fraternity, Delta Sigma Phi, may become a part of the Rose community.

Even though Rose has two fraternities which are now struggling, the addition of another can only have a positive overall effect. First of all, and possibly the most tangible effect, will be a reduction in the demand for on-campus housing. The fraternity will siphon off dozens of members who would normally seek a spot in the residence halls. This space is at a premium, as the additions to Deming and BSB have proven. Although total residence hall capacity has risen, the number of seniors on campus has remained relatively constant.

Secondly, the addition will give fraternity-oriented students another choice. The existing six fraternities have developed stereotypical images which they have done nothing to erase. Philosophies and ideals have been somewhat lost in a competitive atmosphere which has promoted negative actions rather than positive. Initiates interested in the traditional fraternity ideals of brotherhood may find a new fraternity more to their liking.

Finally, a new fraternity may provide the impetus to improve the entire fraternity system at Rose. Competition among fraternities has passed the point of friendly rivalry, and at times is vicious. A system which holds the promise of constructive action has bogged down in petty bickering. Confrontations such as the incident at last year's bicycle race demonstrate the intense competition. Perhaps a new kid on the block would be the catalyst necessary for a re-establishment of a more harmonious atmosphere.

Furthermore, it may cause the existing fraternities to step back and take an honest look at themselves. Badly needed changes on the part of each fraternity may be made, upgrading the fraternity system as a whole.

Although Delta Sigma Phi has some very capable and dedicated men working for it, it may need some outside help to become a reality. It is worthy of a reasonable amount of help to insure its survival. Surely only those threatened in some way by its existence will offer opposition.

## On the album front

by A.J. Fossett



Van Morrison's new album, "Common One," on the Warner Brothers label, is a quietly successful followup to 1979's masterful "Into the Music." On that album, Van's spiritual overtones came to the forefront like they never had before; the result being a fiercely emotive album, singularly unique to the seventies.

"Common One" reinforces the notion that Morrison is improving with age; it just took him awhile to come up with something the equal of "Astral Weeks." Songs like "Ancient

Haunts of Peace" and "Spirit" make it worth the wait.

Van Morrison, Like his albums, is singularly unique — no one puts more guts into their music. Not Bruce Springsteen, not Peter Townshend, not anyone.

Only Morrison can combine gentle compassion and a rough and tumble blues base in the same song and make it work. (Case in point: "Crazy Love.") Van has held constant in this concept, and he takes it to where it will never grow old.

The second part of this article will be devoted to a live performance. Yes rocked the assembly hall at the University of Illinois in Champaign Saturday night, and they indicated that this new Yes is every bit as capable as the one

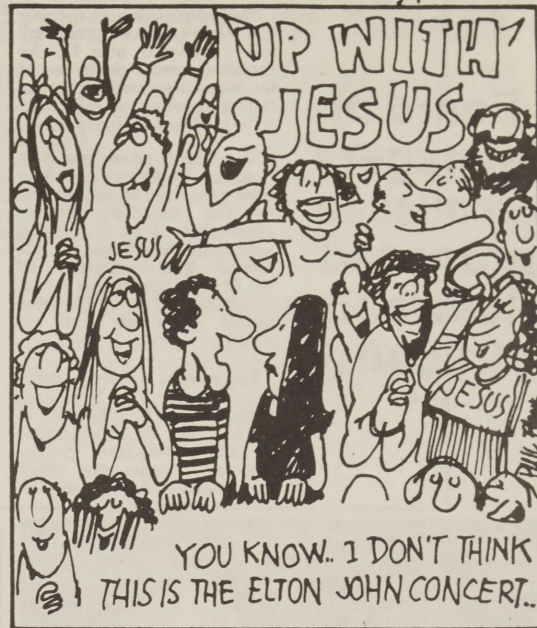
that contained Rick Wakeman and Jon Anderson.

Replacements Geoff Downes and Trevor Horn beat down any notion of a Wakeman-Anderson return with fine performances, and regulars Steve Howe, Chris Squire and Alan White were just themselves — brilliant.

Downes, Howe, and Squire brought the crowd to its feet during their solo segments, and White's levitating drum riser had a similar effect. Horn's mastery of Jon Anderson's vocal trickery was admirable, considering the task at hand (you try singing "And You and I" with no mistakes.

Overall, it was a fine concert. Dare I say it, but Anderson and Wakeman probably wouldn't have made much of a difference.

## FRANKLY SPEAKING ... by phil frank



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## Modulus still looking for staffers

The first work session for this year's Modulus staff was held on Saturday. Plans are being made, and it appears as though they may meet with some success. The staff is, however, in need of an artist-cartoonist. If you would be interested in providing the Modulus with a few sketches, please call Kent Harris at 258 (or come to a work session in

the Modulus office in 107 on Saturday morning) for details.

Also, it appears that the Modulus staff could be (should be) enlarged. If you have an interest in journalism, visit on Saturday. Freshmen are invited specifically to begin the 1981 book.

## The THORN

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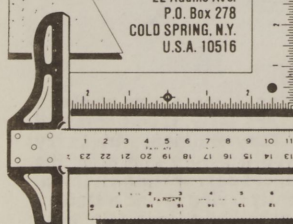
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## Page 5 - New Board Game released

by Ben Nauseated

Barber Brothers Parlor Games Inc. has developed the latest game for masochists: Monotony. It's based on a recent study of A.R.A.T. Scavenger Services. Since it's a game of quite some complexity, The Thorn will give all its readers a head start by listing an abridged set of rules.

**Initial Set Up:** Each contestant starts by receiving a colored ticket and random instructions on where to start. When the game begins, there is a mad rush for the rest of the game pieces, which are specifically counted to be exactly 300 short of the amount needed for the 700 players. These will be dripping wet and marked with the remnants of past games.

**Stage Two:** After entering the Labyrinth, the participants will try to maximize the value of

their ticket by bartering it for the myriad of goodies behind the counter. This entails:

- 1) Identifying each item,
- 2) Identifying each item that you normally like,
- 3) Identifying each item that you normally like that looks like you normally like it.

**You must do** all this while trying to conceal your ticket from the ticket-swiping ogre, who will attempt to keep you from a second chance at the wonderful goodies.

After escaping from the Labyrinth, you now enter what will be referred to as "The Meal." If you are in the bonus round (during Parent's Weekend) it shall be called "The Entree."

**You must now** try to acquire "The Drink." Using only elbows, pass through the "human wall" made up of angry, latecoming

contestants with no game pieces, trying not to be cast into the PB&J section of the Game.

You must now promenade around the main playing area until an advanced player forfeits his space. Taking his space, you must now eat "The Meal."

**NOTE:** The rules do not specify that "The Meal" must be edible. Any leftovers, from "The Meal" must now be stuffed into the dice roller/drinking glass.

Now you begin the cakewalk. In this part of the game you walk up and down the main playing area in search of the elusive "Dessert." If none exists, you must gather the remaining crumbs on the empty tray, wad them up in a ball, and pitch them toward the finish line.

**The Final Heave:** Exit the playing area at full tilt attempting to reach the final goal of the porcelain return

shoot.

**Warning:** During the game, try not to be misguided onto such ghastly paths as: 1) Bobbing for lettuce, 2) Spelunking for ice cream, 3) Save your victim from the toasting inferno, 4) Orienteering for the condiments, or worst of all 5) Suggesting corrections for the game on much too small pieces of paper.

This game will be available from Barber Brothers for the affordable price of \$300,000. This game is specifically designed to challenge intuition, perseverance, dexterity, and ability to withstand prolonged periods of pain.

**The Game** includes all moving pieces including a cashier who has enough pride not to live off welfare and eat dog food; so instead goes to work and prepares it.

# Rose ups record to 3-3 beating Olivet Nazarene

by **Randy Braker**  
Sports Editor

The Engineer's tough defense intercepted six Olivet Nazarene passes in the Engineers 10-8 win over the Tigers last Saturday in Kankakee, Illinois.

The first Rose score was set up by a Chris Bagarus who intercepted a pass from Tiger quarterback Jeff Habendank. The interception gave the Engineers the ball on Olivet Nazarene's 45 yard line. On the first play of the drive, Rose quarterback Mike Trench fired a 17-yard pass to senior Jim Enloe for a first down on the 28.

Three plays later junior running back Jay Cassidy jaunted 22 yards down the sidelines for the touchdown. Placekicker Jeff Jackson booted the extra point to give the Engineers a 7-0 lead.

Finishing the second stanza, an Olivet Nazarene drive stalled and a Rose drive ended with a field goal try from the Tigers' 42. The kick, hampered by a strong head wind, fell short.

The third quarter was mostly good defense as both teams were unable to score.

Early in period four the Engineers punted from their own 29-yard line. The kick was fumbled by Olivet Nazarene and recovered by Engineer senior Bill Krasson on the Tiger 35.

Rose moved the ball to the

Tigers three yard line but were unable to punch it across due to a penalty and a sack. On fourth down Jeff Jackson proved good from 25 yards and Rose led 10-0.

Olivet Nazarene intercepted a Mike Trench pass late in the game to start first and ten on the Engineers' 33. An interference call on fourth and four gave the Tigers an extra shot from the one yard line.

Tiger quarterback Steve Auch dove in from one to close the gap to 10-6. The Tigers faked the extra point and passed for the two-point conversion. Rose held the Tigers for the remainder of the game winning 19-8.

Rose is now 3-3 overall and still 1-0 in the College Athletic Conference. Olivet Nazarene fell to 4-2.

## Soccer teams lose to DePauw

by **Rob Schmidlin**  
Staff Reporter

The Rose-Hulman junior varsity soccer team travelled to DePauw University last week. The junior kickers lost to a big DePauw team by a score of 7-0.

The varsity team travelled to DePauw Saturday. The team that defeated I.S.U. one week ago lost 4-0. The kickers have been hampered lately by lower leg and lower back injuries.

Upcoming games for the Engineers include Maryville College, tomorrow at Rose and Rose at Ky. Wesleyan College on the 24th. On the 25th Earlham comes to Rose and MacMurray plays here on the 26th.

The Engineers then have a week and a half off to prepare for the C.A.C. soccer

tournament where they play four games in three days. The tournament will be held at Sewanee, Tennessee. The Rose squad first plays Centre at 3:00 P.M. on Thursday, Nov. 6. Then on Friday the Engineers play Southwestern at 9:00 A.M. and host team Sewanee at 2:00 P.M.

The kickers wind up the tournament on Saturday against a powerful Principia team.

So far this year offensive standouts for the kickers have been Sophomore Dave Watson with a goal and three assists, junior Brad Kowalski with two assists and freshmen Jamie Huller, Leon Hinz, and George West have also contributed offensively. Senior Kevin Giles and goalies Mike LaPosa and George Colby have been defensive standouts.

# IM Sports Round-Up

by **Brad Burton**

Intamural football is rounding the mid-season turn, and teams are beginning to think in terms of big games and playoffs. There are currently ten undefeated teams remaining in the five intramural leagues, but at the time of this printing there will be at least one less member of this elite group, and probably more.

In Major football, Sigma Nu remained undefeated with a tough 12-7 victory over Lambda Chi Alpha. The loss dropped Lambda Chi to a third place tie with ATO, who claimed a forfeit victory over a now defunct Deming team.

Fiji took over sole possession of second place with a victory over the Independents, setting up a showdown with Sigma Nu.

A look at Minor A shows two undefeated teams, as a result of a BSB No. 1 victory over Blumberg No. 1 in overtime. The Townies kept pace with BSB via a 32-0 romp over a winless Deming No. 1 team.

In other action, Mees No. 1 and Independent No. 4 battled to an 0-0 tie after four quarters, with Mees claiming

the win in overtime.

Minor B can also boast of two undefeated teams, ATO and Blumberg No. 2. The latter received forfeit victory over independent No. 5, while the former had to work in a 6-0 win over Independent No. 2. The other game saw Speed No. 2 explode for 31-0 shut out of Deming No. 2.

Minor C has more unbeaten teams than any other league with three: Deming No. 3, LCA No. 1, and Fiji. Deming No. 3 continued its shut-out string with a 13-0 blanking of Independent No. 3, while a strong Lambda Chi team blasted Speed No. 3.

Fiji marched past BSB No. 3, 19-12, to set up an October 21st match up with Deming.

In Minor D Scharpenberg and Lambda Chi No. 2 are the lone unbeaten teams, but will have played each other by this printing. Scharpenberg remained undefeated with a narrow overtime victory over previously unbeaten Independent No. 1, while LCA No. 2 smashed the Deming Basement, 19-0.

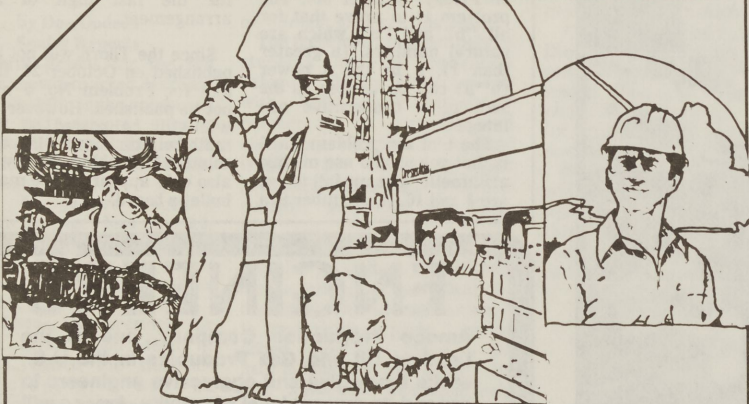
The other game saw Apartment A-3 stay in the chase with a 20-6 verdict over Triangle.

IM Football Standings		MAJOR	
		Sigma Nu	4-0-0
		Fiji	3-1-0
		ATO	2-2-0
		LCA	2-2-0
		Ind.	1-3-0
		Deming	0-4-0
		MINOR A	
BSB No. 1	3-0-0	ATO	2-0-0
Townies	2-0-0	Blumberg No. 2	2-0-0
Mees No. 1	2-1-0	Speed No. 2	1-1-0
Blumberg No. 1	1-1-0	Ind. No. 2	1-1-0
Speed No. 1	1-1-0	Ind. No. 5	0-1-0
Deming No. 1	0-3-0	BSB No. 2	0-1-0
Ind. No. 4	0-3-0	Deming No. 2	0-2-0
		MINOR B	
		MINOR C	
Deming No. 3	3-0-0	Sharpenberg	3-0-0
Fiji	3-0-0	LCA No. 2	2-0-0
LCA No. 1	2-0-0	Apt. A-3	2-1-0
BSB No. 3	1-2-0	Ind. No. 1	1-1-1
Ind. No. 3	0-2-0	Ind. No. 6	0-1-1
OC No. 1	0-2-0	Triangle	0-2-0
Speed No. 3	0-3-0	Deming Basement	0-3-0



Rob Goldner (center) throws a pass in Sigma Nu's 12-7 victory over LCA in major football. Kevin Chaffee (right) and Mark Birdsall (left) rush the passer for Lambda Chi. Sigma Nu is now 4-0 and in good shape to finish on top of the major division. Bryan Wallace photo.

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## "One" to perform

"One" will be performing in the P.A. room in the Union Building at 6:45 tonight.

The singing/drama group, sponsored by a joint meeting of Rose Christian Fellowship and Indiana State University's Inter-Varsity Christian Fellowship, is composed of six members.

Anne Cobb (Music Education), Steve Badskey (Music Education) and Tresa Davis (Elementary Education) are seniors at Indiana State University, while Stan Cooper

(Mechanical Engineering) is the only Rose student. Bill Heath, pianist, and Bobbi Coldwell, Director, former ISU students, are currently employed in Terre Haute.

The group has been together for 2½ years, traveling through Kentucky and Indiana, performing for churches, private parties, and youth conventions.

A refreshing evening is in store for all who attend, with this up-beat, contemporary group.

Need a date?

## S.A.B. sponsors "Dating Game"

Interested in meeting girls? Or just having a good time? Ever watched the Dating Game on television and wondered what it would be like to be on it? Well, this is your chance.

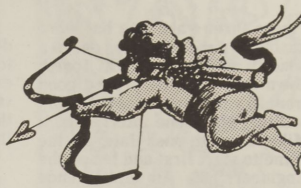
The Student Activities Board, in conjunction with St. Mary-of-the-Woods College, is sponsoring a "Dating Game."

It will be held in the Ballroom at St. Mary's on Wednesday, October 29.

To fill the parts of the bachelors, the Student Activities Board is looking for 15 Rose students. At the time of this writing, it was undecided as to whether the 15 would be chosen on a first-come basis or whether the applicants would be screened.

In either case, applications should be turned in soon. The applications can be obtained by sending a note with your name and campus box number to Box 1065.

The event will be run similar to the show, with an equal number of girls and guys asking the questions. Prizes will be awarded to the winning couples. It will be sure to bring a lot of fun and some laughs.



The S.A.B. would, at this time, like to remind upperclassmen,

and inform freshmen, that Discount Movie tickets are available in the Union office. These tickets, costing only \$2.50, will allow you to get into any showing at Town South, Honey Creek, and any other General Cinema Movie Theatre around the country.

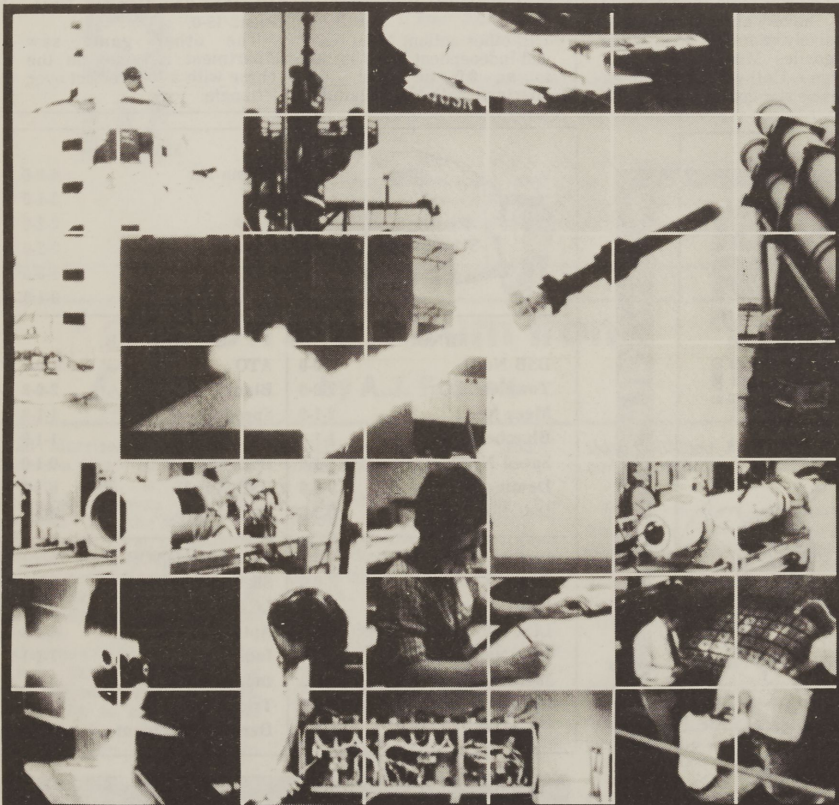
These prices can't be beat anywhere, so take advantage of this service. You can pick up your tickets in the Hulman Union office.

## Lambda Chi run a huge success

This year's annual Lambda Chi Alpha "Run for Those Who Can't" was a huge success. In all 152 people participated in the actual run and over \$1000 was raised in the effort to fight Muscular Dystrophy.

Many thanks is owed to the businessmen of the Terre Haute community as they were most benevolent in supporting the run with donations: there were 41 ticket winners, all of whom were within three minutes of

the final time of 24:43:48. Ed Sammond won Grand Prize as his guess was only eighteen seconds off. Four top-ticket sellers, headed by Mike Dunkel also received prizes. Finally, those of the fastest leg of the run were awarded Ponderosa steak dinners. Whether you won a prize or not, everyone, the brothers, freshmen, little sisters, enjoyed this year's run. LCA is sincerely looking towards next year's run during Homecoming weekend.



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### Reliability

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- Part Stress Analysis
- Failure Mode and Effect Analysis

### Electronics

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- Embedded Microprocessor Architecture/Design
- Digital, Analog and RF Equipment/Circuit Design
- Hardware and Software

### Fire Control Systems

- Radar

- Forward Looking Infrared, Television, or Laser Technology

### Avionics Test Requirements Analysis

- Radar
- Displays
- Inertial Systems
- Flight Computers
- Communication

If you're ready to get your career off the ground, McDonnell Douglas would like to talk with you. Sign up at your placement office for a personal interview. Here is the date we'll be on campus:

**Tuesday & Wednesday,  
October 28 & 29**

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## New problem for contest

Since the solution to Problem No. 4 involves the use of subscripts, which makes printing it difficult, the solution has been omitted from the THORN. The solution, however, may still be found on the Math Department bulletin board in Crapo Hall.

This week's new problem is Problem No. 6. (Due at noon on Friday, October 31). The problem is to prove that for all "b" and "n" which are natural numbers, (n greater than 1), b to the n power (b\*\*n) can be written as the sum of b consecutive odd integers.

The hint for problem No. 5 is that you should use modulo arithmetic. The moduli to use are 3 and 10. If a number is a

square, what values could it have modulo 3 or 10? Knowing that a number is equal to the sum of its digits modulo 3, you can immediately eliminate half of the arrangements. What you know about squares modulo 10 will allow you to limit the possibilities for the last digit. This, in turn, will allow you to show that this implies an impossible value for the last digit of an arrangement.

Since the Thorn will not be published on October 24, the hint for Problem No. 6 will not be published. However, it will still be posted on the math bulletin board. Also, the solution to Problem No. 5 will also only appear on the math bulletin board.

## ENGINEERS

Amoco Production Company, one of the Leading Oil and Gas Producers in the U.S., seeks innovative and aggressive engineers to expand its current level of activity. Amoco will be recruiting here on November 4 & 5, 1980. See your placement office to schedule an interview.

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Any questions should be addressed to:

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