1987 Rose News Releases

Rose-Hulman Staff

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TERRE HAUTE, Ind. -- (NAME OF STUDENT FROM YOUR AREA: SEE ATTACHED LIST) son of (PARENTS' NAMES AND ADDRESS) has recently been initiated into Rose-Hulman Institute of Technology's chapter of Blue Key National Honor Fraternity.

Membership into Blue Key requires academic standing in the top thirty percent of the junior or senior class. Members must be recognized as outstanding leaders in college activities and scholarship and must be of good character.

Blue Key sponsors the Homecoming Pep Rally, Student-Faculty Dialogue Dinner and Parent's Day.

(NAME OF STUDENT), a graduate of (NAME OF HIGH SCHOOL), is a (CLASS AND MAJOR) at Rose-Hulman. He was one of 17 new members initiated into Blue Key this fall. Present members of the honorary elect the new members.
BLUE KEY LIST OF NEW INITIATES -- ADD ONE

INDIANA

-Batesville
Brian Decker, son of Linda Decker, 4 Huntersville Road, Batesville, and Anthony R. Decker, 2254 Brook St., Yuma, Az.; graduate of Batesville High School; junior, electrical engineering/computer science major

-Churubusco
Gerald Mourey, son of Mary Akers, 108 Windsor Drive, Churubusco, and Richard L. Mourey, R.R. 1, Box 196, LaGrange, Ind.; graduate of Churubusco High School; senior, electrical engineering major

-Fort Branch
Rick Hall, son of Stephen, Jr. and Patricia Hall, R.R. 2, Box 115A; graduate of Gibson Southern High School; junior, electrical engineering major

-Hammond
Chet Dominik, son of Chester and Dorothy Dominik, 6542 California Avenue; graduate of Bishop Noll Institute; junior, mechanical engineering major

-Jasper
Bryan Heim, son of Kenneth E. and Rosemary Heim, R.R. 1, Box 722; graduate of Jasper High School; junior, civil engineering major

-Martinsville
Jeffrey Martin, son of James L. and Joyce Martin, 2017 Foxcliff North; graduate of Martinsville High school; junior, mechanical engineering major

-Plymouth
Bryan Eckhoff, son of Marcy Eckhoff, 909 S. Michigan, Plymouth, and Gerald Eckhoff, Shady Grove, Buffalo Grove, Ill.; graduate of Plymouth High School; junior, electrical engineering major

-Sellersburg
Todd Kost, son of Dewey and Marilyn Kost, 655 Florida Drive; graduate of Silver Creek High School; junior, chemical engineering major

(more)
BLUE KEY LIST OF NEW INITIATES -- ADD TWO

- Walkerton
  Tim Pontius, son of Wayne and Carol Pontius, R.R. 1, Box 346-B; graduate of John Glenn High School; senior, electrical engineering major

CALIFORNIA

- Canoga Park
  Contact: Joe Margra
  Robert Werner, son of Herbert and Maria Werner, 23681 Draco Way; graduate of Chaminad Preparatory School; senior, computer science major

ILLINOIS

- Danville
  Brad Barnes, son of Jerry and Carol Barnes, R.R. 5, Box 369; graduate of Bismarck-Henning High School; junior, electrical engineering major

- Morris
  Edmund Hemmersbach, son of Shirley Love, 113 Hickory Lane; graduate of Morris Community High School; senior, mechanical engineering major

- Palestine
  Brent Repp, son of John and Sherry Repp, R.R. 1, Box 88; graduate of Palestine High School; junior, electrical engineering major

OHIO

- Lorain
  David Urbanek, son of Alan and Gail Urbanek, 4428 Hickory Hill; graduate of Admiral King High School; junior, mechanical engineering major

- Oregon
  James Chinni, son of Dante L. and Mary Ann Chinni, 1426 Eastland Drive; graduate of Clay Senior High School; junior, mechanical engineering major

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ENGINEERS TO HOST GREENVILLE, CENTRE THIS WEEK

THE GAMES: Greenville College (Panthers) vs. ROSE-HULMAN INSTITUTE OF TECHNOLOGY (Fightin' Engineers), Tuesday, Jan. 6, 7:30 p.m., Shook Memorial Fieldhouse, Terre Haute, Ind.

Centre College (Colonels) vs. ROSE-HULMAN, Friday, Jan. 9, 7:30 p.m., Shook Memorial Fieldhouse, Terre Haute.

ON THE AIR: Rose-Hulman radio station WMHD-FM, 90.5, will broadcast both games beginning approximately 10 minutes before each contest.

SCENE SETTER: Friday's game with Centre will be the Engineers' second CAC game of the season (the Engineers defeated Earlham College last month). Centre captured the CAC title last season with a 10-0 conference record. The Colonels are coming off an impressive championship win at the Wittenberg (Ohio) Jaycee Invitational Tournament last weekend. At the Wittenberg tourney, Centre defeated Wabash in the first round, then downed Wittenberg by two points (80-78) for the title.

RECORDS: Rose-Hulman is 7-3 overall and 1-0 in the CAC
Greenville is 2-10 overall
Centre College is 8-1 overall and 0-0 in the CAC, hosts Campbellsville tonight (Dec. 5)

THE COACHES: Rose-Hulman's John Mutchner is 318-276 in his 24th season with the Engineers
Greenville's Jack Trager is 179-310 in his 12th season with the Panthers
Centre's Tom C. Bryant is 241-221 in his 20th season with the Colonels

(more)
SERIES VS. OPPONENTS: Rose-Hulman and Greenville have played 54 games with each team winning 27. Centre leads its series with the Engineers by a 25-8 count.

LAST SEASON VS. OPPONENTS: Rose-Hulman won at Greenville by the score of 89-65. Centre won both its games against Rose-Hulman last season (70-59 in Terre Haute, and 67-57 in Danville, Ky.)

PROBABLE ENGINEER STARTERS:

*G Jeff Harrison, 6-1, So.
*G Mike Webster, 6-0, Fr.
*C David Urbanek, 6-6, Jr.
*F Doug Underwood, 6-7, Jr.
*F Jeff Rea, 6-6, Sr.

OPPONENT PROBABLES:

GREENVILLE
*G Brian Patton, 5-7, Jr.
*G Todd Schwarzkopf, 5-10, Jr.
*C Dan Haug, 6-8, Fr.
*F Kevin Duzan, 6-1, So.
*F Steve Hooks, 6-3, Fr.

CENTRE
*G Mike Yates, 6-2, 170, So.
*G Danny Johnson, 6-3, So.
*C Bo Wyenandt, 6-5, So.
*F Kevin Lavin, 6-3, Sr.
*F Mark Sheets, 6-1, Sr.

ENGINEER UPDATE: Rose-Hulman won its last two games of 1986, defeating CAC opponent Earlham College (87-67) on Dec. 16, and Ohio Dominican (88-76) on Dec. 18. Leading the Engineers in scoring is junior forward Doug Underwood (6-7, North Manchester/North Manchester H.S.) with a 16.1 per game average. He also is second on the team in rebounding with a 6.1 per game average. Junior center David Urbanek (6-6, Lorain, Ohio/Admiral King H.S.) is averaging 15.9 points and leads Rose-Hulman with seven rebounds per contest.

MUTCHNER ON THE ENGINEERS: "We've gambled with a two-week holiday break. Being the type of school Rose-Hulman is, the guys needed an extended break to get away from the academic pressures, and to get home for a while. Such a break will hurt us physically, but I'm sure it will help us mentally, especially in February. We've played well in our last few games, showing consistent improvement. Now, we've got to pick up again."

SCOUTING GREENVILLE: The Panthers are led in scoring by 6-3 freshman forward Steve Hooks, who is averaging 17 points a game. Leading rebounder for Greenville is 6-8 freshman center Dan Haug. He is averaging seven rebounds per contest.

(more)
COLONEL NOTES: In the past 15 years under Head Coach Tom C. Bryant, Centre has captured eight CAC titles (1972, '74, '78, '79, '83, '84, '85, '86). The Colonels have made four consecutive appearances in the NCAA Division III playoffs, reaching the finals in the 1978-79 season. This season, Centre is lead offensively by All-South senior forward Kevin Lavin, co-Most Valuable Player in the CAC last season. He averages 25.4 points and 11 rebounds per game this season. Three other Colonels are averaging in double figures: guards Mike Yates (16.8 ppg) and Danny Johnson (15.2 ppg), and center Bo Wyenandt (14.2 ppg).

MUTCHNER ON THIS WEEK'S GAMES: "Greenville is somewhat unknown to us, but Centre is not. Centre is a very good basketball team. They're the defending conference champions and the team to beat this season."

UPCOMING GAMES:
* Monday, Jan. 12, at Rhodes College
* Saturday, Jan. 17, Fisk at Rose-Hulman
* Tuesday, Jan. 20, Wabash at Rose-Hulman
## 1986-87 ROSE-HULMAN BASKETBALL STATISTICS

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**Overall:** 7-3 Overall (Home: 4-2) (Away: 3-1)

**Conference:** 1-0 (College Athletic Conference) (Home: 1-0, Away: 0-0)

### Key Statistics

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<th>Player</th>
<th>GP-GS</th>
<th>FG-FGA</th>
<th>PCT</th>
<th>FT-FTA</th>
<th>PCT</th>
<th>RB</th>
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### Shooting Stats

- **FT%**: Underwood (24-69, .351), DeHaven (296-486, .604), Land (2-5, .400), Meyer (1-1, 1.000), Reitmeyer (0-1, 0.000), Steinhart (0-1, .000), Harrison (0-3, .000), TOTAL (43-105, .410).
- **Opponents**: (31-86, .360)

### Rebounding Stats

- **R+D**: Underwood (43), Urbanek (38), Webster (15), DeHaven (10), Yoakum (10), Underwood (9), Urbanek (8), Cindric (7), Rea (7), Steinhart (4), Land (3), Meyer (2), Hendrixson (2)

### Turnovers

- Underwood (27), Urbanek (26), Rea (23), Webster (19), DeHaven (18), Harrison (14), Yoakum (10), Cindric (9), Meyer (4), Bowman (4), Hendrixson (3), Steinhart (3), Olsen (2), Reitmeyer (1)
## TEAM HIGHS

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<td>36 vs. Ohio Dominican, Dec. 18</td>
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<td>Field Goals Attempted</td>
<td>67 vs. Ohio Dominican, Dec. 18</td>
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<td>Field Goal Percentage</td>
<td>.623 vs. Principia, Nov. 28</td>
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<td>Steals</td>
<td>17 vs. Ohio Dominican, Dec. 18</td>
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## INDIVIDUAL HIGHS

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<td>Field Goal Percentage (Min. 10 made)</td>
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<td>Free Throw Percentage (Min. 5 made)</td>
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ROSE-HULMAN PROFESSOR APPOINTED TO
VISITING POSITION AT WEST POINT

TERRE HAUTE, Ind. -- Frank A. Guthrie, professor of
chemistry at Rose-Hulman Institute of Technology, has been
appointed visiting professor of chemistry at the U.S. Mili-
tary Academy in West Point, N.Y., for the 1987-88 academic
year.

Guthrie will instruct two general chemistry courses and
assist with the scientific instruments course at the mili-
tary academy. This past October, he presented a seminar at
West Point entitled "The Design of Chemical Instruments: A
Peek into the Black Box."

Guthrie has served as chairman of the American Chemical
Society's Division of Analytical Chemistry (1979-80), and
has been counselor for the ACS's Wabash Valley Section since
1980. He has been a member of the Rose-Hulman faculty since
1952.

After earning a bachelor's degree from Hanover College
in 1950, Guthrie went on to earn a master's degree from Pur-
due University in 1952 and a doctorate degree from Indiana
University in 1962.
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: AIRJAZZ - FINE ARTS SERIES

START DATE: IMMEDIATELY

KILL DATE: JANUARY 25, 1987 - 7 P.M.

MEDIA CONTACT: DAVE PIKER, OFFICE OF COLLEGE RELATIONS

THEY'RE KNOWN FOR RAZZLE AND DAZZLE THAT COMBINES JUGGLING, DANCE, ACROBATICS AND HUMOR. THEY'RE CALLED AIRJAZZ AND THEY CAN BE SEEN SUNDAY, JANUARY 25TH AT 7:30 P.M. AT ROSE-HULMAN INSTITUTE OF TECHNOLOGY.

TICKETS FOR THE AIRJAZZ PERFORMANCE, WHICH IS SPONSORED BY THE ROSE-HULMAN FINE ARTS SERIES, CAN BE PURCHASED AT THE DOOR OR BY CALLING THE HULMAN UNION BOX OFFICE. PRICES ARE $3 FOR ADULTS AND $1.50 FOR SENIOR CITIZENS AND NON-ROSE STUDENTS.
JAPANESE PAINTINGS, DRESS FEATURED IN ROSE EXHIBIT

TERRE HAUTE, Ind. -- An exhibit featuring Japanese art and traditional dress is on display until Feb. 6 in the John Logan Library at Rose-Hulman Institute of Technology.

Included in the exhibit are wood-block prints of 18th century Japanese paintings and several hand-painted and sewn kimonos. The art and clothing are owned by Tomoko Hamada, a Japanese native who is director of the Rose-Hulman Asian Studies Program and assistant professor of sociology and anthropology.

Featured in the exhibit are examples of Ukiyoe artists. Toward the end of the 18th century in Japan, similar paintings depicting landscapes, theatrical scenes and famous women reached a high point in popularity. The works symbolized the beauty, skills and artistic expression of the merchant class culture in feudal Tokugawa Japan. The merchant class, with new wealth and urban life style, enjoyed the pleasure of this world, or ukiyo, which literally means the floating world.

The kimonos on display are examples of formal and informal dress for adults and children. Hamada says the kimono has long been an important part of Japanese culture.

(more)
"The kimono is more than simply an article of clothing. It is a tradition that originated in the seventh century and is an expression of family and parental love. The kimono is often handed down from generation to generation," she explained.

The clothing usually is first given to a child between the ages of three and five to mark the rights of passage, Hamada says.

The kimonos on display were made by Hamada's mother and take as long as one year to complete because of the complicated dye and pattern processes that are used.

The exhibit, which is free and open to the public, can be viewed Monday through Thursday from 8 a.m. until 11 p.m., Friday from 8 a.m. until 5 p.m., Saturday from 10 a.m. until 5 p.m. and Sunday from 2 p.m. until 10 p.m.
ROSE-HULMAN STUDENT NAMED INDIANA'S TOP ROTC CADET

TERRE HAUTE, Ind. -- Marion, Ohio, native Tom Forbes, a junior at Rose-Hulman Institute of Technology, has been selected as Indiana's outstanding ROTC cadet by the Reserve Officers Association.

Forbes is the first nominee from Rose-Hulman to be named the state's top ROTC cadet. He is a member of the Ranger team at Rose-Hulman and holds the rank of Army Cadet Sargent First Class.

As a result of his honor, Forbes will receive a trip to Washington, D.C., Jan. 25-29, that is to include a tour of the Pentagon and meetings with several Congressmen. He was selected for the award from approximately 15 other Army, Navy and Air Force ROTC cadets nominated by colleges and universities throughout Indiana.

A cadet is nominated for the award on criteria that includes good character, grade point average, Scholastic Aptitude Test scores and involvement in extracurricular activities.

A graduate of Marion Harding High School, Forbes is the son of Diana Forbes, 737 Wolfinger Road, Marion.
TERRE HAUTE, Ind.--Area high school seniors who have applied to Rose-Hulman Institute of Technology are invited to attend an information session Jan. 20 at 7 p.m. at the Holiday Inn in Jasper.

Rose-Hulman officials representing the offices of admissions and financial aid will be on hand to answer questions about housing, campus life, financial aid and academic requirements.

"Selecting the right college is an important decision in which many factors must be considered," explains Charles Howard, Rose-Hulman Dean of Admissions.

"The information session is for the student who has had his basic questions answered and is now in the final stage of deciding which college to choose," he said.

Howard urged students and parents involved in the college selection process to make a visit to the campuses they are considering.

"Viewing a slide presentation, such as the one we will present at our meeting, is helpful to a student. But, I believe visiting campus is a critical part of making sure that the college chosen will meet the overall needs of a student," he explained.
AIRJAZZ NEXT ON FINE ARTS SCHEDULE

TERRE HAUTE, Ind.--Airjazz, an acrobatic group that combines modern dance, juggling and humor, will perform Jan. 25 at Rose-Hulman Institute of Technology as part of the college's Fine Arts Series.

The trio was formed in 1982 with the goal of exploring juggling as a form of dance-theatre. Since then, their unusual approach to choreographic juggling has taken them from major U.S. music festivals to appearances on NBC's "Tonight Show" and television specials in Great Britain, Canada and Japan.

Jon Held, Keszia Tenenbaum and Peter Davison are Airjazz. The three have won acclaim for their abilities by being named the national team juggling champions in 1982. During the same competition Davison was selected as the nation's top individual juggler.

While their performance at Rose-Hulman will include traditional juggling tricks, the act will focus on their unique method of turning juggling into dance which causes the performers to think more in terms of design than tricks.

(more)
AIRJAZZ 2

Their originality and humor includes juggling objects ranging from umbrellas, ribbons, bamboo poles, masks and even unicycles during routines that include modern dance, jazz, tap dance and ballet.

The show will begin at 7:30 p.m. in the Moench Hall Auditorium. Tickets can be purchased at the door or in advance at the Hulman Union Box Office on campus.

Ticket prices are $3 for adults and $1.50 for senior citizens and non-Rose students.

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ON THE AIR: Rose-Hulman radio station WMHD-FM, 90.5, will broadcast both games beginning approximately 10 minutes before each contest.

SCENE SETTER: The Engineers are coming off two consecutive College Athletic Conference losses. They were defeated by Centre College, 68-60, in Terre Haute last Saturday (Jan. 9) and lost at Rhodes College, 72-69, on Monday (Jan. 12).

RECORDS: Rose-Hulman is 8-5 overall and 1-2 in the CAC. Flak is 2-7 overall and 1-0 in the CAC. Wabash is 7-9 overall (Independent) and plays third-ranked DePauw today (Wed., Jan. 14).

THE COACHES: Rose-Hulman's John Hutchner is 318-278 in his 24th season with the Engineers.

Flak's McKinley Young is 19-40 in his third season with the Bulldogs.

Wabash's Mac Petty is 149-105 in his 11th season with the Little Giants.

SERIES VS. OPPONENTS: Rose-Hulman leads its series with Flak, 4-3, and trails in its series with Wabash, 16-24.

LAST SEASON VS. OPPONENTS: Rose-Hulman split with Flak, winning in Nashville (72-63) and losing at home (69-61). The Engineers lost to Wabash twice by scores of 59-56 and 70-53.

(more)
ENGINEERS HOST FISK ON SATURDAY, WABASH ON TUESDAY

THE GAMES: Fisk University (Bulldogs) vs. Rose-Hulman Institute of Technology (Fightin' Engineers), Saturday, January 17, 7:30 p.m., Shook Memorial Fieldhouse, Terre Haute, Ind.

Wabash College (Little Giants) vs. Rose-Hulman, Tuesday, January 20, Shook Memorial Fieldhouse, Terre Haute.

ON THE AIR: Rose-Hulman radio station WMHD-FM, 90.5, will broadcast both games beginning approximately 10 minutes before each contest.

SCENE SETTER: The Engineers are coming off two consecutive College Athletic Conference losses. They were defeated by Centre College, 68-60, in Terre Haute last Saturday (Jan. 9) and lost at Rhodes College, 72-69, on Monday (Jan. 12).

RECORDS: Rose-Hulman is 8-5 overall and 1-2 in the CAC
Fisk is 2-7 overall and 1-0 in the CAC
Wabash is 2-9 overall (Independent) and plays third-ranked DePauw today (Wed., Jan. 14).

THE COACHES: Rose-Hulman's John Mutchner is 318-278 in his 24th season with the Engineers
Fisk's McKinley Young is 19-40 in his third season with the Bulldogs
Wabash's Mac Petty is 149-105 in his 11th season with the Little Giants

SERIES VS. OPPONENTS: Rose-Hulman leads its series with Fisk, 4-3, and trails in its series with Wabash, 16-24.

LAST SEASON VS. OPPONENTS: Rose-Hulman split with Fisk, winning in Nashville (72-63) and losing at home (69-61). The Engineers lost to Wabash twice by scores of 68-66 and 70-53.
ROSE-HULMAN BASKETBALL -- ADD ONE

PROBABLE ENGINEER STARTERS:

*G Mike Webster, 6-0, Fr.
*G Dustin DeHaven, 6-0, Fr.
*C David Urbanek, 6-6, Jr.
*F Doug Underwood, 6-7, Jr.
*F Jeff Rea, 6-6, Sr.

OPPONENT PROBABIES:

FISK
*G Robert Mathes, 6-0, Jr.
*G Tavio Gibson
*C Robert Sylvester
*F Cardell Majors
*F Stephen NeSmith, 6-5, So.

WABASH
*G Brian Shepard, 6-2, Fr.
*G Steve Cox, 6-3, Jr.
*C Spencer Gross, 6-10, Jr.
*F Chris Whitfield, 6-6, Jr.
*F Bodie Stegelmann, 6-4, Sr.

ENGINEER UPDATE: Junior center David Urbanek (Lorain, Ohio/Admirial King H.S.) leads Rose-Hulman in scoring (15.8 ppg) and rebounding (7.5 rpg). Junior forward Doug Underwood (North Manchester/North Manchester H.S.) is averaging 14.8 points and 7.0 rebounds per game while senior forward Jeff Rea (Attica/Attica H.S.) checks in with a per game average of 10.5 points and 3.5 rebounds.

MUTCHNER ON THE ENGINEERS: "We still haven't learned to play a 40 minute basketball game. We dig ourselves a hole in the first half and then come back in the second half and play well. We did that against Centre and Rhodes. We've got to re-group and get back to winning."

SCOUTING FISK: The Bulldogs return three starters and six lettermen from last season's 8-17 team which tied Rose-Hulman for third place in the CAC (4-6). On Monday (Jan. 12), Fisk lost to Lane College by the score of 68-66. In that contest, sophomore Stephen NeSmith scored 22 points. Forward Cardell Majors followed with 16 points and junior guard Robert Mathes added 11 points.

TRACKING WABASH: The Little Giants are coming off a southern trip to Florida where they lost three games to NCAA Division II schools. Wabash also has lost to nationally-ranked Centre and Illinois Wesleyan. Leading scorer and rebounder for the Little Giants is Chris Whitfield with averages of 17.5 points and 7.2 rebounds per game. Junior guard Steve Cox follows with 11.5 points and 3.6 rebounds per contest.

MUTCHNER ON FISK AND WABASH: "I haven't seen Fisk at all this season, so I don't know a lot about them at this time. Wabash is a good team, a better team than last year. They've played a very tough schedule to date and their record is deceiving."

(more)
ROSE-HULMAN BASKETBALL -- ADD TWO

AROUND THE CAC:

<table>
<thead>
<tr>
<th>TEAM</th>
<th>OVERALL</th>
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<tr>
<td>Rhodes</td>
<td>7-2</td>
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<td>at Centre on Sat.</td>
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<td>Centre</td>
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<td>Fisk</td>
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<td>at Earlham on Sat.</td>
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<td>Sewanee</td>
<td>4-6</td>
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<td>at Case-Western on Sat.</td>
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<td>Rose-Hulman</td>
<td>8-5</td>
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<td>Earlham</td>
<td>1-12</td>
<td>0-5</td>
<td>hosts Fisk on Sat.</td>
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UPCOMING GAMES:
*Friday, January 23, Rose-Hulman at Sewanee
*Saturday, January 24, Rose-Hulman at Fisk
*Tuesday, January 27, Rose-Hulman at Earlham
*Saturday, January 31, Rose-Hulman at Manchester

-30-
HOW TO PAY FOR COLLEGE?  A STORY YOU SHOULD CONSIDER

Paying for a college education. That is a subject foremost on the minds of most high school seniors and their parents this time of year.

However, trying to obtain financial aid is a process that to them appears confusing, complicated and frustrating. The search for funds does not have to be complicated, if they have the information needed to qualify for programs which can make college much more affordable.

How important is financial aid? More than 70 percent of today's college students receive financial aid. The state's Governor has proclaimed Jan. 26-30 as Financial Aid Awareness Week in Indiana. A free, hotline (1-800-423-1516) to get answers to financial aid questions will be manned from 9 a.m. until 9 p.m. during the week.

Also, consider that Indiana ranks 48th in the percentage of high school students that go on to college.

Is it easy to receive financial aid? Does all financial aid have to be repaid? What if one agency rejects my application? Will government programs be cut? What new requirements will be initiated this year? Answers to those questions can help make a college education possible.

To help you and your staff cover this topic, the public relations offices at the four local institutions of higher education have put together the following story ideas. For further information contact the following information or financial aid officer at each institution:

At Rose-Hulman -- Dave Piker or Paul Steward, 877-1511
At ISU -------- Julie Jordan, 237-3773 or Mike Phillips, 237-2211
At Ivy Tech ---- Pat Prevo or Nancy Crumrin, 299-1121
At SMWC ------ Diane Johnson or Sue Almon, 535-5151

(more)
A common mistake made by families seeking financial aid is that they stop their search when one source refuses their application for funds. Government agencies, banks and colleges have different requirements for loans and scholarships. How can a family best find the program under which they would qualify? What new rules have been initiated regarding federally-sponsored financial aid programs?

Contact: Paul Steward at Rose-Hulman

Students will have to think of creative financing methods in order to meet future college costs, suggests ISU's Mike Phillips. Students may have to alternate working and taking classes each semester and their families should be prepared to change their lifestyle in order to help meet increased financial obligations. Students should also take advantage of programs such as co-op and pursue all resources to find information about scholarship programs.

Contact: Mike Phillips at ISU

Not all financial aid is based on need. Many colleges lure the best high school graduates with scholarships based solely on demonstrated academic achievement or creative talent. These awards are outright grants and, unlike loans, do not have to be paid back.

Contact: Diane Johnson or Sue Almon, SMWC

What tips could current college students provide about successfully obtaining financial aid? Because each of the local colleges have different missions and, therefore, attract different types of students, interviews with representatives of each school would provide a different viewpoint.

Contact: Dave Piker at R-H, Julie Jordan at ISU, Diane Johnson at SMWC or Pat Prevo at Ivy Tech

You don't have to be 18 years of age to receive financial aid. As an example, a grant made available through the Carl Perkins Act is now providing funds for over 240 students at Ivy Tech. The grant was developed to aid single parents and displaced homemakers.

Contact: Pat Prevo or Sue Almon at Ivy Tech
ROSE-HULMAN'S JOE DAVIS NAMED REGION'S TOP INSTRUCTOR

TERRE HAUTE, Ind.--Capt. Joe Davis, assistant professor of military science at Rose-Hulman Institute of Technology, has been selected as the Most Outstanding Army ROTC Instructor for the Second Region.

Davis was selected for the regional award on the basis of his teaching, counseling and leadership abilities, according to Lt. Col. George Shoener, professor of military science at Rose-Hulman. The Second Region is comprised of 92 schools in nine states.

"Joe certainly is deserving of this honor. He is an outstanding instructor and sets a good example for the cadets," Shoener said.

Davis will now compete nationally with three other regional winners for the honor of being the Army's top ROTC instructor. One outstanding instructor from each branch of the armed forces will be selected nationally.

Davis is a 1978 graduate of the University of Alabama where he received a civil engineering degree.

-30-
LILLY GRANT WILL INCREASE USE OF COMPUTERS IN ENGINEERING LABS

TERRE HAUe, Ind.--The use of personal computers in electrical engineering laboratories at Rose-Hulman Institute of Technology will be expanded as the result of a $46,094 grant from the Lilly Endowment, Inc. of Indianapolis, according to college officials.

The grant will fund a program that will broaden student understanding of computer applications, provide them with more detailed analysis of data and better prepare students to use computer-based data acquisition systems currently utilized by industry, according to Bruce Black, associate professor of electrical engineering and computer science, who will coordinate the project on campus.

Black says the principal result of the program will be the construction of a demonstration computer work station.

"The work station will serve as a test-bed for laboratory experiment development and as a demonstration center to inform faculty members not directly involved in this project," he explained.

The first phase of the program will begin in March with the acquisition of equipment and software, Black said. The project (more)
LILLY GRANT -- 2

is expected to be completed before the end of the year.

"The last phase of our work will be the development of faculty seminars to describe the new systems, their applications and simultaneously provide hands-on experience in using the new equipment," Black stated.

"The laboratory environment provides another setting in which students can learn to use the personal computer to multiply their capabilities and increase their productivity," he emphasized.

ROSE-HULMAN DRAMA CLUB
TO PRESENT "FEIFFER'S PEOPLE"

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology Drama Club will present a dessert theatre entitled "Feiffer's People," on Jan. 31 and Feb. 1 in the Main Dining Room of Hulman Memorial Union on the school's campus.

"Feiffer's People," is a series of sketches concerning issues and emotions that affect the average person, according to Rose-Hulman senior Dan Vujovic, director of the show. The play was written by Jules Feiffer, popular post-war political humorist and cartoonist.

Rose-Hulman students featured in the show are: Mike Dobranski, junior mathematics major from Cincinnati, Ohio; Jack Culick, senior mathematics major from Ft. Mitchell, Ky.; Paul Hajdu, freshman electrical engineering major from Highland; Aaron Leong, sophomore electrical engineering major from Honolulu, Hawaii.
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(more)
ROSE-HULMAN DRAMA CLUB -- ADD ONE

Also Jon McQuillan, freshman mathematics major from Red Lodge, Mont.; Rick Radzville, freshman electrical engineering major from Frederick, Md.; and Alex Yeager, junior chemistry major from Toledo, Ohio.

Other cast members are Indiana State University students Kim Kopka and Jaleen Lansberry.

The show begins at 8 p.m. each night. Reservations for the $5 tickets are suggested as seating is limited. To make reservations, call Rose-Hulman at (812) 877-1511, ext. 346.

-30-

THE ROSE-HULMAN DRAMA CLUB WILL PRESENT A PROSENET THEATRE ENTITLED "FIEFFER'S (pronounced Fit-fer's) PEOPLE," ON JAN. 11 AND FEB. 1 IN HULMAN MEMORIAL UNION ON THE SCHOOLS' CAMPUS. THE SHOW BEGINS EACH NIGHT AT 8 P.M. RESERVATIONS FOR THE $5 TICKETS ARE SUGGESTED AS SEATING IS LIMITED. TO MAKE A RESERVATION, CALL ROSE-HULMAN AT (812) 877-1511, EXT. 246.

-30-
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: ROSE-HULMAN DRAMA CLUB DESSERT THEATRE

START DATE: IMMEDIATELY

KILL DATE: FEBRUARY 2, 1987

CONTACT: JOE HARGIS, OFFICE OF COLLEGE RELATIONS

THE ROSE-HULMAN DRAMA CLUB WILL PRESENT A DESSERT THEATRE ENTITLED "FIEFFER'S (pronounced fi-fers) PEOPLE," ON JAN. 31 AND FEB. 1 IN HULMAN MEMORIAL UNION ON THE SCHOOL'S CAMPUS. THE SHOW BEGINS EACH NIGHT AT 8 P.M. RESERVATIONS FOR THE $5 TICKETS ARE SUGGESTED AS SEATING IS LIMITED. TO MAKE A RESERVATION, CALL ROSE-HULMAN AT (812) 877-1511, EXT. 346.

-30-

SCENE SETTER: The Engineers defeated College Athletic Conference opponent Pisk, 64-45, on Jan. 17 in Terre Haute. Rose-Hulman suffered a 54-52 home loss to Wabash College this past Tuesday (Jan. 20).

RECORDS: Rose-Hulman is 9-5 overall and 3-1 in the CAC

Sewanee is 6-6 overall and 3-7 in the CAC

Fish is 3-3 overall and 2-2 in the CAC

Hanham is 1-13 overall and 9-6 in the CAC; plays tonight (Jan. 21) at Hanover College and Saturday night at home against Wabash.

(more)
ENGINEERS TO BEGIN ROAD TRIP

THE GAMES: Rose-Hulman Institute of Technology (Fightin' Engineers) vs. Sewanee (Tigers), Friday, Jan. 23, 8:30 p.m. (EST), Juhan Gym, Sewanee, Tenn.

Rose-Hulman vs. Fisk University (Bulldogs), Saturday, Jan. 24, 8:30 p.m. (EST), Henderson Johnson Arena, Nashville, Tenn.

Rose-Hulman vs. Earlham College (Quakers), Tuesday, Jan. 27, 7:30 p.m. (EST), Trueblood Fieldhouse, Richmond, Ind.

ON THE AIR: Rose-Hulman radio station WMHD-FM, 90.5, will broadcast all three games beginning 10 minutes before each contest.

SCENE SETTER: The Engineers defeated College Athletic Conference opponent Fisk, 84-45, on Jan. 17 in Terre Haute. Rose-Hulman suffered a 54-52 home loss to Wabash College this past Tuesday (Jan. 20).

RECORDS: Rose-Hulman is 9-6 overall and 2-2 in the CAC.
Sewanee is 6-6 overall and 2-1 in the CAC.
Fisk is 3-9 overall and 2-2 in the CAC.
Earlham is 1-13 overall and 0-6 in the CAC; plays tonight (Jan. 21) at Hanover College and Saturday night at home against Wabash.

(more)
THE COACHES: Rose-Hulman's John Mutchner is 319-279 in his 24th season with the Engineers. Sewanee's Bill Fenlon is 15-19 in his second season with the Tigers. Fisk's McKinley Young is 20-42 in his third season with the Bulldogs. Earlham's John Williams is 6-34 in his second season with the Quakers.

SERIES VS. OPPONENTS: Rose-Hulman leads its series with Sewanee, 14-11; leads its series with Fisk, 5-3; and trails in its series with Earlham, 13-26.

LAST SEASON VS. OPPONENTS: The Engineers split with Sewanee, winning at home (65-62) and losing in Sewanee (78-71). Rose-Hulman also split with Fisk last season, winning in Nashville (72-63) and losing at home (69-61). Last season, the Engineers defeated Earlham twice - 76-75 at home and 84-74 in overtime in Richmond.

PROBABLE ENGINEER STARTERS: Coach Mutchner was still formulating his starting lineup at the time of this release.

OPPONENT PROBABILIES:

SEWANEE
*G John Morrissey, 6-0, Jr.
*G James Hallock, 6-2, Soph.
*C Dee Anderson, 6-4, Fr.
*F Steve Kenney, 6-2, Soph.
*F Mike Raeber, 6-4, Fr.

FISK
*G Robert Mathes, 6-0, Jr.
*G Steve Nesmith, 6-5, Soph.
*C Robert Sylvester, 6-6, Fr.
*F Orlandus Majors, 6-3, Sr.
*F Lennard Thomas, 6-5, Sr.

EARLHAM
*G Tony Brown, 5-10, Sr.
*G Steve McWilliams, 6-2, Sr.
*C Glenn Hughes, 6-8, Jr.
*F Bill Pribac, 6-6, Fr.
*F Chris Williams, 6-5, Soph.

ENGINEER UPDATE: Junior center David Urbanek (Lorain, Ohio/Admiral King H.S.) continues to lead Rose-Hulman in scoring with a 15.6 per game average. He is second on the team in rebounding with a 6.8 average. Junior forward Doug Underwood (North Manchester/North Manchester H.S.) follows with a 14.1 points per game average and leads the team in rebounding with a 6.9 average. Senior forward Jeff Rea (Attica/Attica High School) is averaging 10.3 points and 4.1 rebounds a contest.

MUTCHNER ON THE ENGINEERS: "I'm not so much concerned with other teams as I am with how our team plays. And right now we're not playing very well. We're going to make some changes and at this time I'm not sure which five players are going to start for us. We have to do something to shake up things."

(more)
ROSE-HULMAN BASKETBALL -- ADD TWO

SCOUTING SEWANEE: The Tigers are led in scoring by 6-0 junior Tim Trantham who carries a 19.4 points per game average. Trantham, an all-CAC selection last season, has not played in the past several games due to injuries and may not play against the Engineers. Sophomore guard James Hallock is averaging 16.7 points a game and 6-2 sophomore forward Steve Kenney chips in 10.5 points and 7.1 rebounds per game. In CAC play, The Tigers have beaten Fisk and Earlham and lost to Rhodes.

FISK FACTS: Rose-Hulman defeated Fisk, 84-45, on Jan. 17 in Terre Haute. In that contest, Fisk's Orlandus Majors and Steve Nesmith each scored 10 points to lead the Bulldogs. Majors, a 6-3 senior forward, pulled down a game-high 13 rebounds. In CAC action, the Bulldogs have defeated Earlham twice and lost to Rose-Hulman, Rhodes and Sewanee.

QUAKER QUIPS: The Earlham roster has undergone several changes since the Engineers defeated the Quakers, 87-67, in Terre Haute on Dec. 16. Leading scorer Greg Williams, 6-2 junior guard, will not be playing with Earlham for the remainder of the season because he is studying in Europe. He was averaging over 20 points a game. Also, 6-3 sophomore forward Larry Dollison has left the team. Players added to the roster are 6-2 junior forward Eric Wiggins, 5-9 junior guard Shane Meredith, 5-8 senior guard Peter Han, 6-5 freshman forward Sam Laws, and 6-4 freshman forward Steve Horn. All-CAC guard Tony Brown leads Earlham in scoring with a 20.1 per game average. Center Glenn Hughes is averaging 11.8 points and 8.4 rebounds per game.

MUTCHNER ON THE TIGERS: "Sewanee is a team that plays very hard. We've had a lot of difficulty with them in recent years. It's going to take a good, strong effort for us to beat them on their own floor.

MUTCHNER ON THE BULLDOGS: "We handled Fisk pretty well in our first game, but I expect a different team when we play them in Nashville. They'll have their leading scoring back, Michael Keys, who is one of the league's best players. The night before we played them, they had beaten Earlham by two points. They looked like a tired team which had been on the road. All those factors will change when we play there.

MUTCHNER ON THE QUAKERS: Earlham is struggling right now, but I've seen some improvement in latter games. We'll have to play well there to beat them.

UPCOMING GAMES:
* Saturday, Jan. 31, Rose-Hulman at Manchester
* Monday, Feb. 2, MacMurray at Rose-Hulman
* Friday, Feb. 6, Sewanee at Rose-Hulman

-30-
ROSE OFFERS SUMMER PROGRAMS
FOR HIGH SCHOOL SENIORS

TERRE HAUTE, Ind. -- Two summer programs that will give high school students an opportunity to learn advanced computer programming or work with a college professor on engineering and science projects will be offered by Rose-Hulman Institute of Technology.

Two sessions of Retupmoc and Operation Catapult are scheduled during June and July for academically-talented young men who will be high school seniors this fall.

The first session of Retupmoc will include classes in Pascal computer language June 14-26. From June 28-July 10, students will be able to take classes in Assembler 8088 computer programming.

"Most high school students interested in computers already have a knowledge of BASIC language and our courses will take the students a step further in their ability to use personal computers and microprocessors," explained Cary Laxer, associate professor of computer science, who teaches the Retupmoc classes.

Operation Catapult is a three-week program that emphasizes problem-solving methods in a laboratory-intensive experience in the areas of chemistry, physics, mathematics, engineering and
computer science, according to Noel Moore, professor of chemical engineering and director of the program.

The two sessions of Operation Catapult will be June 14-July 3 and July 12-31.

"Participants are involved in all phases of research from engineering design and laboratory work to technical report writing," he said.

Both programs require students to be creative and provide the opportunity for high school students to work directly with a college professor.

Two quarter hours of college credit can be earned by participants who complete the requirements of each program.

Enrollment is limited in both summer programs and academically talented young men who have completed their junior year in high school are urged to apply for admission as soon as possible.

Applications and further information can be obtained by contacting the Rose-Hulman Office of Admissions, 5500 Wabash Ave., Terre Haute, Ind. 47803 or calling toll free 1-800-552-0725 from within Indiana or 1-800-225-5000 from outside the state.
DESIGNING BY COMPUTER -- Collinsville, Ill., native Peter Wentzel, a sophomore civil engineering major at Rose-Hulman Institute of Technology in Terre Haute, Ind., introduces himself to a new computer-aided drafting and design system called AutoCAD. Wentzel is enrolled in a computer applications class at Rose-Hulman that teaches students how to use an AutoCAD system, which handles drawings in the same manner a word processor handles text. Drawings can be created, edited or plotted at any scale with AutoCAD. The system has three-dimensional capability and will be used in machine design, graphical communication and architectural design courses. Eight AutoCAD systems, valued at $20,000, were donated to Rose-Hulman by Autodesk, Inc.

NOTE: Wentzel is the son of Ernest and Shirley Wentzel, 99 Westmorland Drive, Collinsville.
TERRE HAUTE, Ind.--How to obtain financial aid to help alleviate the costs of a college education will be discussed at Cloverdale High School Jan. 28 at 7 p.m. by Paul Steward, director of financial aid at Rose-Hulman Institute of Technology.

Steward will outline the current rules regarding how to qualify for federal and state financial assistance during an information session in the high school library.

"The March 1 deadline to apply for college financial aid is not far off and now is the time to prepare the necessary materials to seek various funds," cautioned Steward, who is a former director of the Midwestern Association of State Financial Aid Administrators.

During the program, Steward will caution families about avoiding common mistakes that prevent a student from qualifying for financial aid.

"As an example, if a family is turned down by one agency, they should not assume that they would be refused by other sources. Different programs have varying qualifications," Steward emphasized.
ROSE-HULMAN TO HOST SPECIAL OLYMPICS BASKETBALL TOURNAMENT

TERRE HAUTE, Ind. -- Rose-Hulman Institute of Technology will host the Area 7 Special Olympics Basketball Tournament on Jan. 31 in Shook Memorial Fieldhouse on the college's campus.

Alpha Tau Omega fraternity at Rose-Hulman is sponsoring the event and is expecting a field of eight teams for the tournament. Competition runs from 8:45 a.m. through 4:15 p.m. and admission is free, according to ATO representative Dan Braker, freshman chemical engineering major from Evansville.

"We want to encourage everyone to come watch the fun and excitement that is Special Olympics," Braker said.

For more information, contact Braker at (812) 877-1515, ext. 373.
LOCAL ART GUILD MEMBERS FEATURED IN ROSE EXHIBIT

TERRE HAUTE, Ind.--The works of three local artists, who are members of the Wabash Valley Art Guild, are featured in an exhibit on display until Feb. 13 at Rose-Hulman Institute of Technology.

The exhibit, located in the A Section of Moench Hall, includes paintings, drawings and collages by Betty Commons, Laura Mason and Doreen Quick.

Included in the show are five oil paintings by Commons, a native of Knox County, who concentrates on Indiana landscape scenes. An artist for the past 15 years, Commons has had her works exhibited at numerous shows in Terre Haute.

Mason, a graduate of ISU, has six watercolor paintings and collages on display that also feature landscapes. This is the second Rose-Hulman show in which Mason has been featured. Her works have also been exhibited at shows in Paris, Ill., Brazil, the local YWCA and in Indianapolis at the Southside Art League.

Animal drawings in oil pastel, acrylic, pencil and India ink highlight the six works on display by Quick, who is exhibiting for the first time in the Wabash Valley.

The exhibit is open Monday through Friday from 8 a.m. until 7 p.m.
ROSE-HULMAN OFFICIAL TO PRESENT LATEST FINANCIAL AID FACTS

TERRE HAUTE, Ind.--How to obtain financial aid to help alleviate the costs of a college education will be discussed at Clay City High School Feb. 3 at 7 p.m. by Paul Steward, director of financial aid at Rose-Hulman Institute of Technology.

Steward will outline the current rules regarding how to qualify for federal and state financial assistance during the information session.

"The March 1 deadline to apply for college financial aid is not far off and now is the time to prepare the necessary materials to seek various funds," cautioned Steward, who is a former president of the Indiana Association of Financial Aid Administrators.

During the program, Steward will caution families about avoiding common mistakes that prevent a student from qualifying for financial aid.

"As an example, if a family is turned down by one agency, they should not assume that they would be refused by other sources. Different programs have varying qualifications," Steward emphasized.

-30-
ENGINEERS PREPARE FOR MANCHESTER, MACMURRAY
***********************************************************************

THE GAMES: Manchester College (Spartans) vs. Rose-Hulman Institute of Technology (Fightin' Engineers), Saturday, Jan. 31, 7:30 p.m., Physical Education and Recreation Center, North Manchester, Ind.

Rose-Hulman vs. MacMurray College (Highlanders), Monday, Feb. 2, 7:30 p.m., Shook Memorial Fieldhouse, Terre Haute, Ind.

ON THE AIR: Rose-Hulman radio station WMHD-FM, 90.5, will broadcast both games beginning 10 minutes before each contest.

SCENE SETTER: The Engineers have lost four consecutive games. The most recent defeat came on Tuesday (Jan. 27) when Rose-Hulman lost to College Athletic Conference opponent Earlham College by the score of 80-73.

RECORDS: Rose-Hulman is 9-9 overall and 2-5 in the CAC

Manchester is 3-18 overall (Independent)

MacMurray is 6-8 overall (3-0 in the Prairie Conference) and plays at Eureka on Saturday (Jan. 31)

THE COACHES: Rose-Hulman's John Mutchner is 319-282 in his 24th season with the Engineers

Manchester's Terry Heavilon is 32-124 in his sixth season with the Spartans

MacMurray's Robert Gay is 128-149 in his 12th season with the Highlanders

SERIES VS. OPPONENTS: Rose-Hulman trails in its series with Manchester, 2-5, and leads its series with MacMurray by a 13-3 count.

(more)
ENGINEER BASKETBALL -- ADD ONE

LAST SEASON VS OPPONENTS: The Engineers defeated Manchester in round one of the Rose-Hulman Invitational last season by the score of 70-63. Last season, MacMurray defeated Rose-Hulman, 72-71, in Jacksonville, Ill.

PROBABLE ENGINEER STARTERS:
* G Mike Webster, 6-0, Fr.
* G Dustin DeHaven, 6-0, Fr.
* C David Urbanek, 6-6, Jr.
* F Doug Underwood, 6-7, Jr.
* F Jeff Rea, 6-6, Sr.

OPPONENT PROBABLE 5:
MANCHESTER
* G Jere Eaton, 6-1, Sr.
* G Brad Gore, 6-0, Jr.
* C David Coil, 6-4, Fr.
* F Joe Nadaline, 6-3, Jr.
* F Tal Ryzewski, 6-4, Jr.

MACMURRAY
* G Scott Fearrin, 6-0, Sr.
* G John Moran, 5-10, Jr.
* C Darin Craven, 6-3, Soph.
* F Jim Althoff, 6-2, Soph.
* F Rich Smith, 6-2, Fr.

ENGINEER UPDATE: Rose-Hulman is led in scoring and rebounding by junior center David Urbanek (Lorain, Ohio/Admiral King H.S.). He is averaging 15.9 points and 7.1 rebounds per game. Junior forward Doug Underwood (North Manchester, Ind./N. Manchester H.S.) is averaging 12.7 points and 6.2 rebounds per contest. Also averaging in double figures is senior forward Jeff Rea (Attica, Ind./Attica H.S.). He is averaging 11.1 points and 4.3 rebounds per game.

ENGINEER NOTES: Junior center David Urbanek, a 1985-86 All-South, All-CAC and District Five Academic All-America player, needs to score 83 points (10.4 average) in the final eight games of the season to give him 1,000 for his career at Rose-Hulman. Heading into the season, he had scored 631 points. Through 18 games this season, he has 286 points.

MUTCHNER ON THE ENGINEERS: "We've got to play hard and get ourselves out of this losing streak. We know we're a better team than what we've shown in our last few games. But one of the best things about athletics is learning to get off the floor and fight your way back. We can't dwell on the past because there's always a challenge in front of us."

SCOUTING MANCHESTER: The Spartans are led in scoring by senior guard Jere Eaton, who is averaging 21.6 points per game. Freshman center David Coil is averaging 9.3 points and 7.2 rebounds per game.

HIGHLANDER FACTS: MacMurray is led offensively by senior guard Scott Fearrin with a 21 point per game average. Sophomore center Darin Craven follows with a 10 point per game average. He also leads the team in rebounding with an average of five per contest. Freshman forward Rich Smith is playing well for the Highlanders. He scored 35 points in a recent loss to Olivet College and leads the team in three-point field goals (40-of-82, .488 percent).
TERRE HAUTE, Ind.--Col. Charles Scott, who was one of 52 Americans held captive for 444 days by Iranian militants, will discuss the terrorist threat during a free, public lecture Feb. 5 at Rose-Hulman Institute of Technology.

His presentation, at 7 p.m. in the GM Room of Moench Hall, is sponsored by the Rose-Hulman Student Activities Board.

Scott, now retired following 31 years in the U.S. Army, is a military expert on the Middle East and was chief of the Defense Liaison Office in the American Embassy in Tehran, Iran, when militants took over the facility in 1980.

Because of his military duties, Scott was accused by the terrorists of having CIA ties and was singled out for extreme torture and deprivation. During his captivity, Scott was interrogated for 10 weeks, placed in solitary confinement for five months and suffered numerous injuries including a broken shoulder.

Scott will discuss terrorism from his experiences as a hostage and as a military officer who planned strategies to combat terrorism. Scott will speak about what motivates terrorists to commit inhumane acts, who are the terrorists, what can be done to (more)
defend against terrorism and the need for a better understanding of terrorist groups.

Scott is also the author of a book entitled, "Pieces of the Game, the Human Drama of Americans Held Hostage in Iran."
ROSE MATH PROJECT RECEIVES SUPPORT

TERRE HAUTE, Ind.--A project at Rose-Hulman Institute of Technology, that will improve mathematics education in the state by training teachers how to introduce math subjects not traditionally taught in junior and senior high school courses, has received a $40,000 grant from the Indiana Department of Education.

The funds will be used to continue the Indiana Quantitative Literacy Project, under the direction of John Kinney, professor of mathematics at Rose-Hulman. The program was initiated last year as the result of a $28,000 grant from the Indiana Department of Education.

The project is part of the reason that Indiana is considered to be one of only four states to have a progressive and active commitment to quantitative literacy, according to Dorothy Perreca, an official of the American Statistical Association. ASA, along with the National Council of Teachers of Mathematics, is co-sponsoring efforts to improve quantitative literacy nationwide.

This spring, 60 junior and senior high school teachers from Indiana will be selected to participate in the program that will train them to utilize new materials to teach statistics and probability.

(more)
"Almost every day there is a need for students to be able to interpret statistical information," Kinney said.

"We are almost deluged with situations involving chance and surveys. Yet, it is not common for a high school graduate in Indiana to have been introduced to the two areas of mathematics that would help them understand statistics and survey information," he explained.

"We believe this project will help alleviate that situation," Kinney noted.

The program is designed to train teachers about new methods to graphically describe data, techniques of computer simulation and probability basics.

Thirty Indiana teachers are already using materials introduced to them during the first phase of the program last year. Kinney said their reaction to the new material has been so enthusiastic that half of the original group have recruited colleagues to attend a regional conference at Rose-Hulman this spring that will feature nationally known educators.
TERRE HAUTE, Ind.--Professor Thomas Irving, an authority on Islamic politics and culture, will discuss Arab opinions of American foreign policy during a public lecture Feb. 5 at Rose-Hulman Institute of Technology.

He will speak at 4:30 p.m. in the GM Room of Moench Hall.

Irving is credited with translating the first American version of the Koran and is the author of 10 books and numerous articles about the Islamic world. He is a trustee of the American Islamic College and was formerly a professor of Arabic at the University of Tennessee.

His appearance is sponsored by the Rose-Hulman Foreign Policy Association.
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: FINE ARTS SERIES

START DATE: IMMEDIATELY

KILL DATE: FEBRUARY 15 AT 3 P.M.

MEDIA CONTACT: DAVID PIKER, 877-1511, EXT. 441

THE MUSIC OF BACH AND JOHN PHILLIP SOUSA CAN BE HEARD SUNDAY
FEBRUARY 15TH DURING A PERFORMANCE AT ROSE-HULMAN INSTITUTE
OF TECHNOLOGY BY THE ASBURY BRASS QUINTET. THE BEST OF THE
CLASSICS WILL BE FEATURED DURING THE 4 P.M. CONCERT THAT IS
SPONSORED BY THE ROSE-HULMAN FINE ARTS SERIES. TICKETS FOR
THE ASBURY BRASS QUINTET CONCERT CAN BE PURCHASED AT THE DOOR
JUST PRIOR TO THE PERFORMANCE. TICKET PRICES ARE $3 FOR ADULTS
AND $1.50 FOR SENIOR CITIZENS AND NON-ROSE STUDENTS.

-30-
SPORTS INFORMATION

CONTACT: Joe Hargis
FOR RELEASE: Upon receipt
Feb. 3, 1987

ENGINEERS TO PLAY TOP-RANKED TEAMS
****************************************************************

THE GAMES: Sewanee (Tigers) vs. Rose-Hulman Institute of Technology (Fightin' Engineers), Friday, Feb. 6, 7:30 p.m., Shook Memorial Fieldhouse, Terre Haute, Ind.

Rose-Hulman vs. Washington University (Bears), Saturday, Feb. 7, 8:30 p.m. (EST), Washington University Fieldhouse, St. Louis, Mo.

Rose-Hulman vs. Centre College (Colonels), Tuesday, Feb. 10, 8:30 p.m. (EST), Alumni Gym, Danville, Ky.

SCENE SETTER: Rose-Hulman has won its last two games, defeating Manchester College (90-81) and MacMurray College (66-62). In those two games, junior center David Urbanek (Lorain, Ohio/Admirial King H.S.) collected 16 rebounds and scored 53 points, including 31 against MacMurray.

RECORDS: Rose-Hulman is 11-9 overall and 2-5 in the College Athletic Conference
Sewanee is 10-6 overall and 5-1 in the CAC
Washington University is 13-5 overall (Independent) and plays tonight (Tuesday) at Maryville College and on Thursday (Feb. 5) at home against McKendree College, 14th-ranked in NAIA
Centre College is 15-3 overall, 5-1 in the CAC and plays Fisk University on Wednesday (Feb. 4) and Transylvania on Saturday (Feb. 5).

THE COACHES: Rose-Hulman's John Mutchner is 322-282 in his 24th season with the Engineers
Sewanee's Bill Fenlon is 19-19 in his second season with the Tigers
Washington's Mark Edwards is 59-80 in his sixth season with the Bears
Centre's Tom C. Bryant is 248-223 in his 20th season with the Colonels

(more)
SERIES VS. OPPONENTS: Rose-Hulman leads its series with Sewanee, 14-12; leads its series with Washington University, 7-6; and trails in its series with Centre, 8-25.

PROBABLE ENGINEER STARTERS:
*G Mike Webster, 6-0, Fr.
*G Jeff Harrison, 6-1, Soph.
*C David Urbanek, 6-6, Jr.
*F Jeff Rea, 6-6, Sr.
*F Doug Underwood, 6-7, Jr.

OPPONENT PROBABLES:
SEWANEE
*G James Hallock, 6-2, Soph.
*G Tim Trantham, 6-0, Jr.
*C Dee Anderson, 6-4, Fr.
*F Steve Kenney, 6-2, Soph.
*F Mike Raeber, 6-4, Fr.

CENTRE
*G Mike Yates, 6-2, Soph.
*G Tim Brack, 5-9, Soph.
*C Bo Wyenandt, 6-5, Soph.
*F Kevin Lavin, 6-3, Sr.
*F Danny Johnson, 6-3, Soph.

WASHINGTON UNIVERSITY
*G Kevin Suiter, 6-3, Jr.
*G Brent Rueter, 6-2, Sr.
*C Jeff Unterreiner, 6-6, Jr.
*F Jon Bergman, 6-6, Jr.
*F Paul Jackson, 6-3, Jr.

ENGINEER UPDATE: Junior center David Urbanek (Lorain, Ohio/Admirial King H.S.) leads Rose-Hulman in scoring (16.9 ppg) and rebounding (7.0). He needs to score 30 points to give him 1,000 for his career with the Engineers. Junior forward Doug Underwood (N. Manchester/N. Manchester H.S.) is averaging 13.1 points and 6.3 rebounds per game and senior forward Jeff Rea (Attica/Attica H.S.) chips in an average of 10.8 points and 5.0 rebounds per contest. Freshman center Tim Cindric has been seeing plenty of playing time recently and the 6-4 product of Indianapolis Pike High School is making the most of it. He is averaging 4.6 points and 3.2 rebounds per game while playing an average of about eight minutes.

SCOUTING SEWANEE: The Tigers are the hottest team in the CAC, having recently defeated Rhodes College and top-ranked Centre. Sewanee defeated Rose-Hulman earlier in the season at Sewanee by the score of 84-82. In that game, sophomore guard James Hallock scored 30 points for the Tigers. Junior guard Tim Trantham leads Sewanee in scoring with a 19.3 average. Hallock follows with an 18.6 average and sophomore forward Steve Kenney averages 11.3 points and 7.4 rebounds per game.
BEAR FACTS: The 15-3 Bears are ranked second in the South Region behind Centre. Leading Washington University in scoring is junior guard Kevin Suiter with a 21.5 per game average. Junior forward Paul Jackson averages 11.8 points and junior center Jeff Unterreiner averages 7.8 rebounds a game. Washington University has been ranked among the top 20 NCAA III teams for most of the season.

EYING CENTRE: The Colonels are gunning for their fifth consecutive CAC championship. Centre has used a balanced scoring attack and a strong defense to rank among the NCAA III's top ten teams for most of the season. Senior forward Kevin Lavin leads the team in scoring with a 19.4 per game average. Also averaging in double figures for the Colonels are sophomore guard Danny Johnson (14.2 ppg), sophomore guard Mike Yates (13.3 ppg) and sophomore center Bo Wyenandt (11.4 ppg). Lavin, an all-CAC player last season, also leads Centre in rebounding with a 10.6 per game average.

MUCHNER ON THE OPPONENTS: "We expect the rest of the season to be really tough for us. There's no place to breathe. All our games coming up are with very good teams. Washington University, DePauw and Centre will all be in the NCAA tournament."

UPCOMING GAMES:
* Saturday, Feb. 14, DePauw at Rose-Hulman
* Monday, Feb. 16, Rhodes at Rose-Hulman
* Thursday, Feb. 19, Rose-Hulman at Wabash
### 1986-87 ROSE-HULMAN BASKETBALL STATISTICS

**Overall** (Home: 7-4) (Away: 4-5)
2-5 (College Athletic Conference) (Home: 2-1, Away: 0-4)

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<th>FG-FGA</th>
<th>PCT</th>
<th>FT-FTA</th>
<th>PCT</th>
<th>RB</th>
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**Average**

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**Scoring Margins**

- **Overall** +1.9
- **Conference** +4.2

**Three Point Goals** (Made/Attempted/Pct.): Webster (41-95, .432), DeHaven (35-88, .402), Meyer (3-4, .750), Rea (3-6, .500), Land (2-7, .286), Reitmeyer (0-1, .000), Steinhart (0-2, .000), Harrison (0-3, .000), TOTAL (84-206, .408).

**Rebounds** (66-164, .402)

**No longer with team**

**Three Point Goals** (Made/Attempted/Pct.): Webster (27), Harrison (25), DeHaven (19), Urbanek (19), Rea (17), Underwood (15), Yoakum (13), Cindric (11), Steinhart (11), Meyer (4), Land (3), Hendrixson (2), Olsen (1)

**Unscored**: Underwood (57), Rea (58), DeHaven (49), Urbanek (45), Webster (42), Harrison (22), Land (22), Yoakum (12), Cindric (14), Steinhart (18), Meyer (6), Dowman (4), Olsen (4), Hendrixson (3), Reitmeyer (2)
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**1986-87 ROSE-HULMAN CAC STATISTICS**

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**FG-FGA**

- Urbanek: 51-95 (.536)
- Webster: 38-66 (.575)
- Hendrixson: 27-57 (.474)
- Underwood: 2-3 (.667)
- Webber: 25-61 (.409)
- Cindric: 23-58 (.397)
- Olsen: 17-26 (.654)
- Meyer: 5-6 (.833)
- Harrison: 3-8 (.375)
- Underwood: 10-17 (.588)
- Steinhart: 3-4 (.750)
- DeHaven: 1-3 (.333)
- Okum: 5-13 (.385)
- Land: 0-2 (.000)
- Hendrixson: 0-4 (.000)

**FT-FTA**

- Urbanek: 17-27 (.630)
- Webster: 11-20 (.550)
- Hendrixson: 6-8 (.750)
- Underwood: 6-6 (1.000)
- Webber: 11-13 (.846)
- Cindric: 3-7 (.429)
- Olsen: 8-10 (.800)
- Meyer: 2-2 (1.000)
- Harrison: 1-4 (.250)
- Underwood: 0-1 (.000)
- Steinhart: 2-3 (.667)
- DeHaven: 1-3 (.333)
- Okum: 4-5 (.800)
- Hendrixson: 0-0 (.000)

**Game Totals**

- Urbanek (19-39, .475)
- Webster (12-31, .387)
- Meyer (2-2, 1.000)
- Steinhart (0-2, .000)
- TOTAL (33-74, .446)

---

**Shots**

- Urbanek: 11
- Rea: 5
- Cindric: 4
- Harrison: 3
- Underwood: 3
- Steinhart: 3
- Reitmeyer: 1
- Olsen: 1

**Three Point Goals**

- DeHaven: 19-39, .475
- Webster: 12-31, .387
- Meyer: 2-2, 1.000
- Steinhart: 0-2, .000
- TOTAL: 33-74, .446

**Free Throw Percentage**

- Urbanek: 80-117, .684
- Rea: 57-97, .688
- Cindric: 47-99, .475
- Harrison: 31-96, .326
- Underwood: 25-79, .316
- Steinhart: 19-51, .373
- Reitmeyer: 12-34, .353
- Olsen: 7-29, .241

**Three-Point Goals**

- Urbanek: 11
- Rea: 5
- Cindric: 4
- Harrison: 3
- Underwood: 3
- Steinhart: 3
- Reitmeyer: 1
- Olsen: 1

**Total Made/Attempted/Pct.**

- DeHaven: 19-39, .475
- Webster: 12-31, .387
- Meyer: 2-2, 1.000
- Steinhart: 0-2, .000
- TOTAL: 33-74, .446

**Rebounding and Scoring Margins**

- +3.3
- +4.0

---

**Longer with Team**

- DeHaven (19-39, .475)
- Webster (12-31, .387)
- Meyer (2-2, 1.000)
- Steinhart (0-2, .000)
- TOTAL: 33-74, .446

---

**Game Totals**

- Urbanek: 19-39, .475
- Webster: 12-31, .387
## Game Summary

(11-9 overall) Home Games - ALL CAPS

**Hulman Invitational; *CAC games**

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<td>MACMURRAY</td>
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### Team Highs

- Points Scored: 90 vs. Principia, Nov. 28; vs. MacMurray, Feb. 2
- Field Goals Made: 39 vs. Greenville, Jan. 6
- Field Goals Attempted: 77 vs. Fisk, Jan. 17
- Field Goal Percentage: .639 vs. Greenville, Jan. 6
- Free Throws Made: 28 vs. Earlham, Dec. 16
- Free Throws Attempted: 33 vs. Earlham, Dec. 16
- Free Throw Percentage: .923 vs. Rhodes, Jan. 12
- Rebounds: 59 vs. Fisk, Jan. 17
- Assists: 26 vs. Greenville, Jan. 6
- Blocked Shots: 11 vs. Maryville, Dec. 12
- Steals: 17 vs. Ohio Dominican, Dec. 18

### Individual Highs

- Points Scored: 38, Webster vs. Eureka, Dec. 12
- Three Point Goals: 12, Webster vs. Eureka, Dec. 12
- Field Goals Made: 13, Underwood vs. Ohio Dominican, Dec. 18
- Field Goals Attempted: 21, Webster vs. Eureka, Dec. 12
- Field Goal Percentage (Min. 10 made): .917 (11-12), Urbanek vs. G'ville, Jan. 6
- Free Throws Made: 9, Rea vs. Principia, Nov. 28, Underwood vs. Manchester, Jan. 31, Urbanek vs. MacMurray, Feb. 2
- Free Throws Attempted: 14, Rea vs. Principia, Nov. 28
- Free Throw Percentage (Min. 5 made): 1.000 (6-6), Hendrixson vs. Earlham, Dec. 16, 1.000 (6-6), Harrison vs. Rhodes, Jan. 12
- Rebounds: 14, Underwood vs. Ohio Dominican, Dec. 18
- Assists: 7, Rea vs. Blackburn, Dec. 2
- Blocked Shots: 6, Underwood vs. Greenville, Jan. 6
- Steals: 5, Webster vs. Brescia, Nov. 26
TERRE HAUTE, Ind.—Classical music will be featured Feb. 15 at Rose-Hulman Institute of Technology during a concert by the Asbury Brass Quintet at 4 p.m. in the Moench Hall Auditorium.

The chamber music ensemble's repertoire includes works from the Renaissance, Baroque, Classical and 20th century periods. The program will include the music of Bach, Bernstein, Ives, Mendelssohn and Sousa. Since its formation five years ago, the group has won several major music contests including the Fischoff National Chamber Music Competition and the Sanderson Award at the Coleman Chamber Music Competition in California.

Members of the quintet are Kevin Hartman and Neal Berntsen, trumpet; Gregory Flint, horn; Peter Ellefson, trombone; and Michael Grose, tuba. Each has performed with major orchestras ranging from the New York Philharmonic to the Civic Orchestra of Chicago and the Chicago Symphony Orchestra.

The concert is sponsored by the Rose-Hulman Fine Arts Series.

Tickets for the concert can be purchased at the door prior to the performance. Ticket prices are $3 for adults and $1.50 for senior citizens and non-Rose students.

-30-
URBANEK NAMED TO DISTRICT GTE ACADEMIC ALL-AMERICA TEAM

TERRE HAUTE, Ind.—Center David Urbanek, the leading scorer and rebounder this season on the Rose-Hulman Institute of Technology basketball team, has been named to the first team of the College Division District Five GTE Academic All-America basketball squad.

His selection by members of the College Sports Information Directors of America means that the 6-6 junior will be eligible for national honors.

Urbanek, a mechanical engineering major from Lorain, Ohio, has earned a 3.3 grade point average on a 4.0 scale. He has been named to the Rose-Hulman Dean's List and is a member of Blue Key national honor fraternity. Last year, Urbanek was selected to the second team College Division District Five GTE Academic All-America squad.

Urbanek, a co-captain on this year's squad, has started 67 consecutive games for Rose-Hulman and is averaging 16 points and seven rebounds per game this season for the 12-10 Engineers. He also led the team in scoring and rebounding last year and is

(more)
URBANEK NAMED TO GTE ACADEMIC ALL-AMERICA TEAM -- 2

ranked 10th on the college's all-time list for rebounds in a season. At the end of the 1985-86 season, Urbanek also earned all-conference and NCAA Division III All-South honors.

Urbanek is the fourth Rose-Hulman athlete in the past three months to receive honors for his academic achievements. Recently, Rose-Hulman sophomore linebacker Greg Kremer was named to the national College Division GTE Academic All-America team and two other football players, junior noseguard Chris Szaz and sophomore offensive tackle Keith Woodason were named to the College Division District Five GTE Academic All-America team.

-30-

URBANEK NAMED TO GTE ACADEMIC ALL-AMERICA TEAM

-30-

OSHIE SETTER: Rose-Hulman is coming off a 98-94 loss at Centre College. DePauw was defeated at Marian College on Wednesday (Feb. 11). Rhodes lost to Millsaps in overtime on Wednesday.

RECORDS: Rose-Hulman is 12-11 overall and 3-6 in the College Athletic Conference
DePauw is 13-2 overall (Independent)
Rhodes is 11-6 overall and 4-4 in the CAC

THE COACHES: Rose-Hulman's John Mutchner is 323-284 in his 24th season with the Engineers
DePauw's Mike Steele is 120-37 in his sixth season with the Tigers
Rhodes' Herb Majerus is 152-108 in his 11th season with the Lynx

SERIES VS. OPPONENTS: Rose-Hulman trails in its series with DePauw, 22-28 (29-14 since 1947), and trails in its series with Rhodes, 12-13.

PROBABLE ENGINEER STARTERS:
- C Mike Webster, 6-0, Fr.
- O Ron Steinhart, 6-4, Fr.
- TC David Urbanek, 6-6, Jr.
- T Tim Cindric, 6-4, Fr.
- AP Doug Underwood, 6-7, Jr.

(more)
ENGINEERS HOST DEPAUW ON SATURDAY, RHODES ON MONDAY

THE GAMES: DePauw University (Tigers) vs. Rose-Hulman Institute of Technology (Fightin' Engineers), Saturday, Feb. 14, 7:30 p.m., Shook Memorial Fieldhouse, Terre Haute, Ind.

Rhodes College (Lynx) vs. Rose-Hulman, Monday, Feb. 16, 7:30 p.m., Shook Memorial Fieldhouse, Terre Haute, Ind.

SCENE SETTER: Rose-Hulman is coming off a 98-94 loss at Centre College. DePauw was defeated at Marian College on Wednesday (Feb. 11). Rhodes lost to Millsaps in overtime on Wednesday.

RECORDS: Rose-Hulman is 12-11 overall and 3-6 in the College Athletic Conference
DePauw is 18-3 overall (Independent)
Rhodes is 11-8 overall and 4-4 in the CAC

THE COACHES: Rose-Hulman's John Mutchner is 323-284 in his 24th season with the Engineers
DePauw's Mike Steele is 120-37 in his sixth season with the Tigers
Rhodes' Herb Hilgeman is 152-109 in his 11th season with the Lynx

SERIES VS. OPPONENTS: Rose-Hulman trails in its series with DePauw, 22-29 (9-14 since 1947), and trails in its series with Rhodes, 12-13.

PROBABLE ENGINEER STARTERS:
*G Mike Webster, 6-0, Fr.
*G Ron Steinhart, 6-4, Fr.
*G David Urbanek, 6-6, Jr.
*F Tim Cindric, 6-4, Fr.
*F Doug Underwood, 6-7, Jr.

(more)
ENGINEER BASKETBALL -- ADD ONE

OPPONENT PROBABLES:

DEPAUW
*G Scott Lewis, 6-2, Sr.
*G David Greiwe, 6-0, Sr.
*C Mike Conner, 6-5, Jr.
*F David Galle, 6-4, Sr.
*F Dan Falotico, 6-4, Jr.

RHODES COLLEGE
*G Rob Schutt, 6-2, Sr.
*G David Lewis, 5-10, Fr.
*C John Tibbets, 6-6, So.
*F Donnie Spence, 6-5, Jr.
*F Kevin McMillan, 6-4, So.

ENGINEER UPDATE: Junior center David Urbanek (Lorain, Ohio/Admirial King H.S.), recently named to the District Five All-Academic first team for 1986-87, leads Rose-Hulman in scoring (16.9 ppg) and rebounding (7.3). He now has scored 1,017 points in his career with the Engineers. Junior forward Doug Underwood (N. Manchester/N. Manchester H.S.) is averaging 12.8 points and 6.2 rebounds per game and freshman guard Mike Webster chips in an average of 11 points a game. Senior forward Jeff Rea (Attica/Attica H.S.) is averaging 10.8 points and 5.0 rebounds per contest, but has missed two of the Engineers' last three game due to illness. He is not expected to play against DePauw on Saturday.

SCOUTING DEPAUW: The Tigers are ranked second among all NCAA Division III teams and hold the longest home win streak of any NCAA III team in the nation, a record 61 games. DePauw is coming off a loss at Marian College on Wednesday (Feb. 11) and is looking to record its fourth consecutive 20-win season. The Tigers are led in scoring and rebounding by senior forward David Galle with 15.6 points and 6-1 rebounds per game. Galle, an All-America candidate, is currently seventh on the DePauw all-time scoring list. Other top scorers for the Tigers are 6-5 junior center Mike Conner (12.4 ppg) and 6-4 junior forward Dan Falotico (12.0 ppg).

TRACKING THE LYNX: Rhodes currently is in fourth place in the CAC with a 4-4 record. The Lynx are led in scoring by 6-5 junior forward Donnie Spence (16 ppg) and 6-6 sophomore center John Tibbets (14.5 ppg). Tibbets also leads the team in rebounding with an 8.2 per game average.

Mutchner on the Opponents: "We've got our hands full with DePauw. They have an excellent team and have been ranked among the top five NCAA III teams all season. They're a very strong defensive team with an enormous amount of depth. We lost a close game to Rhodes in Memphis (Tenn.) in January. They've got a good team and they're better than their record indicates. There is so much parity in our conference."

CONFERENCE STANDINGS AS OF TUESDAY, FEB. 10:

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-30-
CELEBRITIES, ATHLETES, POLITICIANS TO ANSWER STUDENT QUESTIONS ABOUT DRUG ABUSE

TERRE HAUTE, Ind.--Local college students will be able to listen and talk to entertainers, nationally known athletes and Congressmen about the problems of drug abuse during a national satellite broadcast Feb. 18 that will be seen at Rose-Hulman Institute of Technology.

The telecast, "Drugs: Why Not?" will include discussions about drug use in the entertainment industry, college and professional athletics and efforts to pass legislation to further curb drug use.

The program begins at 2 p.m. and will be shown in the GM Room of Moench Hall.

Portions of the broadcast will originate from Washington, D.C., Los Angeles and Oklahoma City. It will feature an interactive transmission system that will allow students to ask questions of well-known guests who will appear during the show. An estimated 400 college campuses will be linked to the College Satellite Network which is producing the program for the National Association for Campus Activities.
The first segment of the program will focus on entertainers who will discuss drug use in their industry. Appearing will be John Phillips, formerly of the Mamas and the Papas music group; actress Sarah Jessica Parker, Dr. Timothy Leary, and Dr. Andrew Weil, author of the controversial book "Chocolate to Morphine."

The controversy over drug testing in athletics and the use of steroids and other drugs in sports will be discussed at 3:30 p.m. Expected to appear during the segment are Brian Bosworth, All-America linebacker at the University of Oklahoma; Barry Word, a top NFL draft choice last year who was convicted of drug violations; former Dallas Cowboy star Bob Hayes; Spud Webb of the NBA Atlanta Hawks and Dr. Charles Schuster, director of the National Institute of Drug Abuse.

At 4:30 p.m. several of the nation's legislators will speak about what Congress has accomplished to help restrict drug use and what additional laws are needed to curb illegal drugs. Scheduled to appear are Sen. William Roth of Delaware, a member of the Senate Subcommittee on Health; and Representatives Charles Rangel of New York, ranking minority member of the House Task Force on International Narcotics Control; and Lynn Martin of Illinois, a member of the House Subcommittee on Human Resources.

In addition to the drug abuse segments, CSN will broadcast at 10 p.m. the entertainment special "Live from Nashville" and the NACA Campus Entertainment Awards Show.
TERRE HAUTE, Ind.--Area students from 19 high schools and 10 junior high schools will compete Feb. 21 at Rose-Hulman Institute of Technology in JETS TEAMS rivalry or as mathletes in competition that will test their science, engineering and math skills.

High school teams of nine members each will compete in the annual Junior Engineering Technical Society (JETS) Test of Engineering, Aptitude, Mathematics and Science (TEAMS). The contest will challenge students on their knowledge of math, physics, chemistry, biology, graphics, English and computer fundamentals.

Mathletes from 10 junior high schools will be trying to win regional honors during the Mathcounts contest.

Both tests will begin at 9 a.m. in classrooms throughout campus. An awards ceremony is scheduled at 1 p.m. in the Hulman Union.

Teams competing in the JETS competition include squads from all three Vigo County high schools as well as Clay City, Cloverdale, Greencastle, L&M, Linton-Stockton, North Central, North Knox, North Putnam, Northview, Owen Valley, Riverton Parke, Rockville, Shakamak, South Putnam, South Vermillion and Sullivan High Schools.

(more)
Last year Terre Haute North Vigo High School won the local competition in the large school division while North Central High School won local and state honors in the small school competition.

Taking part in the Mathcounts competition will be four-member teams from Chauncey Rose, Clay City, Honey Creek, North Vermillion, Otter Creek, Owen Valley, Sarah Scott, South Vermillion, Terre Haute Baptist and Woodrow Wilson Junior High Schools.

Students will complete written and oral tests in such math subjects as probability, statistics, linear algebra and polynomials.

The team from Woodrow Wilson will be trying to win state and regional Mathcounts honors for the third consecutive year.

The JETS and Mathcounts competition is sponsored locally by the Banks of the Wabash Joint Engineering Societies as part of National Engineers Week.

Competition will begin at 9 a.m. in classrooms throughout the Rose-Hulman campus. An awards ceremony is scheduled at 1 p.m. in the Hulman Union.

Rachel Sparks coaches the Northview squad and Jim Mayrose is the coach of the Clay City team.

The local teams will compete against 17 other squads from Vigo, Parke, Vermillion, Knox, Greene, Putnam, Owen and Sullivan Counties.

The JETS competition is sponsored locally by the Banks of the Wabash Joint Engineering Societies as part of National Engineers Week.
TWO CLAY COUNTY HIGH SCHOOL TEAMS TO COMPETE IN JETS TEAMS CONTEST

TERRE HAUTE, Ind.—Nine-member teams from Northview and Clay City High Schools will take part in JETS TEAMS competition Feb. 21 at Rose-Hulman Institute of Technology.

The teams will compete for local honors and the opportunity to compete in the state contest of the annual Junior Engineering Technical Society (JETS) Test of Engineering, Aptitude, Mathematics and Science (TEAMS). The contest will challenge students on their knowledge of math, physics, chemistry, biology, graphics and English.

Competition will begin at 9 a.m. in classrooms throughout the Rose-Hulman campus. An awards ceremony is scheduled at 1 p.m. in the Hulman Union.

Rachel Sparks coaches the Northview squad and Jim Mayrose is the coach of the Clay City team.

The local teams will compete against 17 other squads from Vigo, Parke, Vermillion, Knox, Greene, Putnam, Owen and Sullivan Counties.

The JETS competition is sponsored locally by the Banks of the Wabash Joint Engineering Societies as part of National Engineers Week.
ROSE-HULMAN INSTITUTE OF TECHNOLOGY
5500 Wabash Ave., Terre Haute, IN 47803 • (812) 877-1511

NEWS BUREAU

CONTACT: Joe Hargis
FOR RELEASE: Upon receipt
Feb. 16, 1986

ROSE-HULMAN DEBATE TEAM
FINISHES FOURTH AT TOURNAMENT

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology Debate Team finished fourth among 30 teams at the Indiana Swing Debate Tournament held on the campuses of Anderson College and Ball State University last weekend (Feb. 13-14).

The team of Richard Robinson, senior electrical engineering major from Port Orchard, Wash., and Scott Johnston, senior electrical engineering major from Harbor Beach, Mich., compiled a record of 6-2 in the Varsity Division. Jeff Darnell, freshman mechanical engineering major from Columbia, Mo., teamed up with a non-Rose student for a 4-4 record in the Varsity Division.

The Rose teams defeated squads from DePauw University, Highland College, Miami University of Ohio, University of Tennessee-Knoxville, Ferris State and Adrian College. Robinson was judged fifth-best speaker among the 60 debaters at the tournament.

(more)
The Rose Debate Team is scheduled to participate next at the National Delta Sigma Rho-Tau Kappa Alpha Tournament on the University of Mississippi campus March 12-15. The team is coached by Donald G. Shields, professor of communications at Indiana State University.

-30-
PORT ORCHARD NATIVE FARES WELL WITH ROSE-HULMAN DEBATE TEAM

TERRE HAUTE, Ind. -- Port Orchard, Wash., native Richard Robinson helped the Rose-Hulman Institute of Technology Debate Team finish fourth among 30 teams at the Indiana Swing Debate Tournament held recently on the campuses of Anderson College and Ball State University.

Robinson was judged fifth-best speaker among the 60 debaters at the tournament and teamed with another Rose-Hulman student to compile a 6-2 record in the Varsity Division.

The Rose-Hulman Debate Team is scheduled to participate March 12-15 at the National Delta Sigma Rho-Tau Kappa Alpha Tournament on the University of Mississippi campus.

Robinson, a senior electrical engineering major, is the son of Ronald and Martha Robinson, 7600 Patricia Avenue E., Port Orchard.
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: NATIONAL ENGINEERS WEEK

START DATE: MONDAY, FEBRUARY 23, 1987

KILL DATE: SATURDAY, FEBRUARY 28, 1987

MEDIA CONTACT: DAVE PIKER, ROSE-HULMAN, 877-1511

TURNING IDEAS INTO REALITY IS THE THEME OF NATIONAL ENGINEERS WEEK ACTIVITIES IN TERRE HAUTE THIS WEEK. EVENTS INCLUDE MATH AND SCIENCE CONTESTS FOR AREA JUNIOR AND SENIOR HIGH SCHOOL STUDENTS, A STUDENT INDUSTRY DAY AND THE SELECTION OF A LOCAL ENGINEER OF THE YEAR. ALL LOCAL NATIONAL ENGINEERS WEEK ACTIVITIES ARE SPONSORED BY THE BANKS OF THE WABASH JOINT ENGINEERING SOCIETIES.

-30-
ENGINEERS TRAVEL TO WABASH FOR SEASON FINALE

THE GAME: Rose-Hulman Institute of Technology (Fightin' Engineers) vs. Wabash College (Little Giants), Thursday, Feb. 19, 7:30 p.m., Chadwick Court, Crawfordsville, Ind.

SCENE SETTER: Rose-Hulman is coming off an 88-85 overtime victory over College Athletic Conference opponent Rhodes College on Monday (Feb. 16) at Shook Memorial Fieldhouse in Terre Haute. By defeating the Lynx, the Engineers finished conference play with a 4-6 record while winning their 13th game overall. Last Saturday (Feb. 14), Rose-Hulman lost at home to NCAA second-ranked DePauw University, 58-55. The Engineers had a chance to send the game into overtime, but a turnover with three seconds remaining cost Rose-Hulman that opportunity and DePauw held on for the win. The Tigers' All-America candidate David Galle was held to five points after coming into the contest averaging 15.6 points per game. Wabash lost on Saturday (Feb. 14) at Washington University by the score of 86-57. The Little Giants defeated Rose-Hulman, 54-52, in Terre Haute on Jan. 20.

RECORDS: Rose-Hulman is 13-12 overall and completed its CAC schedule with a 4-6 mark.

Wabash is 4-17 overall (Independent)

THE COACHES: Rose-Hulman's John Mutchner is 324-285 in his 24th season with the Engineers

Wabash's Mac Petty is 199-141 in his 11th season with the Little Giants

SERIES VS. WABASH: Wabash holds a 58-22 lead in its series with Rose-Hulman which dates back to 1902.

(more)
ENGINEER BASKETBALL -- ADD ONE

PROBABLE ENGINEER STARTERS:
*G Mike Webster, 6-0, Fr.
*G Ron Steinhart, 6-4, Fr.
*C David Urbanek, 6-6, Jr.
*F Jeff Rea, 6-6, Sr.
*F Doug Underwood, 6-7, Jr.

WABASH PROBABLES:
*G Brian Sheperd, 6-2, Fr.
*G Mike McCarty, 6-2, Soph.
*C Chris Whitfield, 6-6, Jr.
*F Brett Butler, 6-5, Fr.
*F Bodie Stegelmann, 6-4, Sr.

ENGINEER UPDATE: Junior center David Urbanek (Lorain, Ohio/Admirial King H.S.) leads Rose-Hulman in scoring (17.0 ppg) and rebounding (7.3). He now has scored 1,054 points in his career with the Engineers. Junior forward Doug Underwood (N. Manchester/N. Manchester H.S.) is averaging 12.4 points and 5.8 rebounds per game and freshman guard Mike Webster chips in an average of 11.8 points a game. Senior forward Jeff Rea (Attica/Attica H.S.) is averaging 10.1 points and 4.7 rebounds per contest. Reserve guard Jeff Harrison (Jeffersonville/Jeffersonville H.S.) helped spark Rose-Hulman in its win over Rhodes College on Wednesday (Feb. 16). The 6-1 sophomore scored 10 points, grabbed five rebounds and had three steals in 32 minutes of play.

SCOUTING WABASH: The Little Giants are led in scoring and rebounding by 6-6 junior center Chris Whitfield (15.7 ppg and 7.6 rpg). Mike McCarty, a 6-2 sophomore guard, averages 12.0 points per game.

MUTCHNER ON WABASH: "This is our last game of the year and we've got a chance to finish with a winning season. We've had a long and frustrating season, we've lost so many close games. But our game against Wabash gives us the opportunity to end the season on a winning note. We've enjoyed a long rivalry with Wabash and we're looking forward to Thursday's game."

ENGINEER NOTES: Til Panaranto, trainer and equipment manager at Rose-Hulman for the past 24 years, will work his final game on Thursday at Wabash. Panaranto is retiring in May and will move to Florida. "We're certainly going to miss Til," Mutchner said. "Things just won't be the same without him." Panaranto and Mutchner came to Rose-Hulman in the same year - 1963.

CONFERENCE STANDINGS AS OF TUESDAY, FEB. 17:

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<th>CAC</th>
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<td>Rhodes</td>
<td>5-5</td>
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<td>Rose-Hulman</td>
<td>4-6</td>
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<tr>
<td>Earlham</td>
<td>1-9</td>
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</table>
LOGAN, NOTED EDUCATOR AND ENVIRONMENTAL ENGINEER, DIES

TERRE HAUTE, Ind.—John A. Logan, 78, former president of Rose-Hulman Institute of Technology and internationally known environmental engineer, died Feb. 16 at his residence in Terre Haute, Ind.

Logan was president of Rose-Hulman from 1962 until 1976.

Prior to assuming leadership of the private engineering and science college, he had been involved in several international environmental engineering projects for which he won praise from the U.S., Italy and Brazil.

He was nominated by the Italian government for the Nobel Prize in Science in 1981 for leadership in coordinating efforts to conquer malaria in Sardinia following World War II. Brazilian officials presented Logan with one of the nation's highest honors, the Medalha da Guerra, for his work to bring sanitation to the Amazon basin.

During his tenure as president of Rose-Hulman, the college's enrollment doubled to just over 1,000 students and facilities at the college were improved through the completion of a ten-year building program. While the enrollment at the school increased,
the academic quality of the student body also improved. At the time of his retirement more than 90 percent of the college's freshman class were ranked in the top five percent of their high school graduating class.

During Logan's presidency, in 1971, the college changed its name from Rose Polytechnic Institute to Rose-Hulman Institute of Technology following a substantial gift from Anton Hulman Jr. and his wife, Mary.

In 1983, Logan was chosen to serve as the interim president at Franklin College (Ind.), a post he held for more than a year.

He received his engineering education from the University of Saskatchewan, where he received bachelor degrees in science and engineering; and at Harvard University which awarded him the master and doctoral degrees. He also received honorary doctorates from Indiana University, Indiana State University, Wabash College and the University of Evansville.

Awards will be presented during a banquet Feb. 20 to the top engineer, company and student engineer for 1987. Featured speaker at the program will be Mayor Pete Chaison who will discuss the economic outlook for Terre Haute. The banquet begins at 7 p.m. at the Holiday Inn.

On Feb. 27, area high school students interested in pursuing a career in engineering will be hosted by area companies and Rose-Hulman Institute of Technology.

"More than 100 students will be able to spend a few hours on the job with engineers at 28 Wabash Valley companies as part of Student-Industry Day," said David Williams, president of the
AWARDS, STUDENT-INDUSTRY DAY HIGHLIGHT NATIONAL ENGINEERS WEEK

TERRE HAUTE, Ind.--Activities to recognize the contributions of engineers, future engineers and engineering-related companies are scheduled Feb. 23-28 during the local observance of National Engineers Week.

"Turning Ideas Into Reality" is the theme of the week's activities that are sponsored locally by the Banks of the Wabash Joint Engineering Societies and nationwide by the National Society of Professional Engineers (NSPE).

Awards will be presented during a banquet Feb. 26 to the top engineer, company and student engineer for 1987. Featured speaker at the program will be Mayor Pete Chalos who will discuss the economic outlook for Terre Haute. The banquet begins at 7 p.m. at the Holiday Inn.

On Feb. 27, area high school students interested in pursuing a career in engineering will be hosted by area companies and Rose-Hulman Institute of Technology.

"More than 100 students will be able to spend a few hours on the job with engineers at 25 Wabash Valley companies as part of Student-Industry Day," said David Williams, president of the (more)
local chapter of the Indiana Society of Professional Engineers.

"Students will have an opportunity to meet with engineers working at local plants of large, international companies or they can spend the morning with engineers who are working for small, local firms," William said.

Following their visit with local engineers, students will visit Rose-Hulman for an opportunity to discuss engineering careers with academic representatives from each of the college's engineering departments.

According to Williams, 75,000 NSPE members will be recognized nationally in an effort to demonstrate the contributions of engineers as innovators and problem solvers.

The week of George Washington's birthday is traditionally chosen for the National Engineers Week celebration since the first American President was a noted civil and military engineer.
ROSE-HULMAN STUDENTS RECEIVING HANDS-ON EXPERIENCE IN VLSI DESIGN

TERRE HAUTE, Ind. -- Students enrolled in a new course sequence at Rose-Hulman Institute of Technology are getting hands-on experience in designing and testing integrated circuits similar to those used in advanced computing equipment and consumer electronics products.

Rose-Hulman is one of a select number of engineering and science colleges in the U.S. that offers an integrated circuit design course focused at the undergraduate level, according to Jeff Froyd, associate professor of electrical engineering and director of the college's Very Large Scale Integration (VLSI) Design Program.

"To have a custom integrated design course primarily for undergraduates is unique," Froyd said. "Most engineering programs offer such a course, but not at the undergraduate level. Here undergraduates, as well as graduate students, are learning how to design integrated circuits from the ground up."

(more)
Integrated circuits ("chips") are small enough to fit on the tip of a finger. They are used in high-speed computers, defense electronics, submarine and aircraft sonar systems and computerized check-out counters, according to Froyd.

"Integrated circuits are the key to the implementation of SDI (Strategic Defensive Initiative) and are important to production of the next generation of computers," Froyd said.

Within two to three years, integrated circuits will be used in household appliances like refrigerators and washers, to make them more energy efficient, Froyd said.

"If you look ahead to the 1990s, consumer electronics will probably provide the biggest impact in the world marketplace. The ability of our country to compete in the electronics market will depend on the ability of our people to produce state-of-the-art components," he noted.

In 1985, the Westinghouse Electric Corporation donated $90,000 to Rose-Hulman's Division of Electrical Engineering and Computer Science to create a VLSI design program. The grant provides support for short courses where faculty learn the most modern integrated circuit design techniques. The funds also provided summer employment for undergraduate students who assisted in the development of the experiments and computer-aided design tools needed to support the new courses now being offered.
Bruce Mueller, electrical engineering major from Gilman, Ill., is team leader for a four-man group of senior students who conceptualized an original design for an integrated circuit as part of a project for the new VLSI design course. Their design concept includes the interconnection of 5,500 transistors.

The idea behind the integrated circuit designed by Mueller and his group was to create a chip that would serve as an interface between two personal computers.

"The chip would actually work like a mailbox between the two computers," said group member Dusty Lutz, a senior electrical engineering major from Oregon, Ohio. "It would throw up a red flag to let one computer know when there was a message waiting from the other. Basically, we wanted to make it easy for the computers to pass messages to each other."

Mueller and his group spent the first three weeks of the course discussing ideas and functions for the chip. The next several weeks were devoted to developing a design which could be simulated and tested. After testing was completed, plans for the chip were sent to Texas Instruments in Houston for fabrication. Texas Instruments has agreed to fabricate the 2-millimeter by 5-millimeter chip at no charge to Rose-Hulman, a process that could cost around $100,000, according to Froyd.

"We're fairly optimistic that the chip will be fabricated," Lutz said. "We tested and re-tested our design and it passed all the standards."

(more)
"I think the most difficult part of the project was learning to communicate effectively between each other," Mueller said. "We learned a lot about VLSI technology, but we also learned what it takes to work on a major product as a group."

Eighteen undergraduate students and one graduate student are presently enrolled in the new design course. The third course in the sequence will be offered in the Spring quarter.
FROM MINDS TO DESIGNS -- Mario Nigrovic, a senior at Rose-Hulman Institute of Technology in Terre Haute, Ind., uses a computer to simulate an integrated circuit he helped design. Nigrovic is enrolled in a new electrical engineering course at Rose-Hulman not offered to undergraduate students at many U.S. engineering and science colleges. The new course teaches students how to design and test integrated circuits ("chips") which are vital to the operation of consumer electronics products and high-tech equipment that includes defense electronics, submarine and aircraft sonar systems, computerized check-out counters and high-speed computers.

-30-
ENGINEER BASEBALL TEAM
TO BEGIN 1987 SEASON IN FLORIDA

TERRE HAUte, Ind. -- Rose-Hulman Institute of Technology Head Baseball Coach Jim Rendel will rely on the experience of 16 returning lettermen for a successful 1987 season.

The Engineers begin play this weekend in Cocoa, Fla. They are scheduled to leave from Terre Haute on Thursday (Feb. 26) for Cocoa Expo, former spring training site for the Montreal Expos, where they will play 11 games with eight opponents in six days. First up for Rose-Hulman are single games on Sunday (March 1) with Loras College and Lebanon Valley College.

"We're really looking forward to this trip," said Rendel, in his 11th season with the Engineers. "This gives us a chance to get in a lot of work before our regular season begins."

Rose-Hulman will begin this season with a veteran starting at every position. Among those players expected to start are centerfielder James Yoakum, last season's leading hitter, and first baseman Dan Lemons, the team's Most Valuable Player in 1986.
Yoakum, a senior mechanical engineering major from Boonville, hit .314 and scored 34 runs while committing just one error in 34 games. Lemons, a junior electrical engineering major from Kettering, Ohio, batted .313 with nine doubles and a team-leading six home runs.

Other players expected to be in the starting lineup for the Engineers when the season begins are: catcher/designated hitter Mark Mayfield, senior mechanical engineering major from Terre Haute; second baseman Grant Sharp, senior electrical engineering major from Cincinnati, Ohio; shortstop Aaron Murray, senior mechanical engineering major from Robinson, Ill.

Also, third baseman Scott Johnson, junior chemical engineering major from Columbus; right fielder Steve O'Keefe, junior mechanical engineering major from Woodburn; left fielder Robert Fuller, junior civil engineering major from Mattoon, Ill.; and catcher Bruce Fenimore, senior civil engineering major from Rushville.

"We should have an excellent offensive team," Rendel said. "We've got good speed which means we'll be running more this year than in the past.

Bruce Cluskey, senior electrical engineering major from East Peoria, Ill., is the top returning pitcher from last season. He had a team-leading 34 strikeouts in 56 innings of work.

"Bruce is a fine pitcher, but he'll need some help. For us to be successful, we must have better consistency from our pitchers," Rendel said.

(more)
Rose-Hulman finished last season with a 17-24 record. The Engineers won 11 of their last 15 games and placed second in the College Athletic Conference with a 4-1 mark.

"We're expecting good things this season," Rendel said. "We've got good, experienced players and a good group of newcomers."

Among the top prospects this season for Rose-Hulman are: first baseman Ben Hill, freshman mechanical engineering major from Clinton; pitcher/outfielder Mike Bell, freshman mechanical engineering major from LaPorte; Gary Workman, sophomore civil engineering major from New Whiteland; and outfielder Tim Hofer, sophomore mathematics major from Lancaster, N.Y.

Rose-Hulman is scheduled to play 31 regular-season games against 13 different colleges this year. The Engineers will compete for the CAC championship in May at the Spring Sports Festival at Earlham College in Richmond.

The first regular season game for Rose-Hulman is slated for March 21 at Marian College beginning at 1 p.m. The Engineers play their first home game the following day against Franklin College at Art Nehf Field beginning at 1 p.m.
### 1987 ROSE-HULMAN BASEBALL SCHEDULE

#### SPRING TRIP SCHEDULE

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<thead>
<tr>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td>Sun., March 1</td>
<td>Loras College</td>
<td>9 a.m.</td>
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<td>Sun., March 1</td>
<td>Lebanon Valley College</td>
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<td>Mon., March 2</td>
<td>Wayne State University</td>
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<td>Mon., March 2</td>
<td>Penn State University</td>
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<tr>
<td>Tue., March 3</td>
<td>University of Rochester</td>
<td>9 a.m.</td>
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<td>Tue., March 3</td>
<td>Hobart and William Smith Colleges</td>
<td>2 p.m.</td>
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<td>Wed., March 4</td>
<td>University of Rochester</td>
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<td>Thu., March 5</td>
<td>Wayne State University</td>
<td>9 a.m.</td>
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<tr>
<td>Thu., March 5</td>
<td>Milwaukee School of Engineering</td>
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<tr>
<td>Fri., March 6</td>
<td>Loras College</td>
<td>9 a.m.</td>
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<td>Fri., March 6</td>
<td>Penn State University</td>
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#### REGULAR SEASON SCHEDULE

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<tr>
<td>Sat., March 21</td>
<td>at Marian College (2)</td>
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<tr>
<td>Sun., March 22</td>
<td>FRANKLIN COLLEGE (2)</td>
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<tr>
<td>Wed., March 25</td>
<td>at Wabash College (2)</td>
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<td>Sat., March 28</td>
<td>at Earlham College (2)</td>
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<td>Tue., March 31</td>
<td>at Butler University (2)</td>
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<td>Wed., April  1</td>
<td>at Indiana State University (1)</td>
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<td>Sat., April  4</td>
<td>MARIAN COLLEGE (2)</td>
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<td>Tue., April  7</td>
<td>ST. JOSEPH'S COLLEGE (2)</td>
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<td>Sun., April  12</td>
<td>IUPUI (2)</td>
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<td>at DePauw University (2)</td>
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<td>Fri., April  17</td>
<td>at Calvin College (2)</td>
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<td>Sat., April  18</td>
<td>at Hope College (2)</td>
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<td>DEPAUW UNIVERSITY (2)</td>
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<td>WABASH COLLEGE (2)</td>
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<td>SENIOR STEAK GAME (1)</td>
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<td>Sat., May  2</td>
<td>PRINCIPIA COLLEGE (2)</td>
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<td>Sun., May  3</td>
<td>at MacMurray College (2)</td>
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Thu., Fri., Sat.

May 7, 8 and 9  CAC Spring Sports Festival at Earlham
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Head Coach: Jim Rendel  
Assistant Coach: Mark Smith  
Manager: Kent Agne
ROSE TO RECEIVE $50,000 INDIANA BELL GIFT FOR LAB EQUIPMENT

TERRE HAUTE, Ind.--Rose-Hulman Institute of Technology will receive $50,000 during the next five years from Indiana Bell Telephone Co. for the purchase of laboratory equipment, according to Don Schroeder, a company division manager for public relations.

Schroeder recently presented Rose-Hulman President Samuel F. Hulbert with a $10,000 check as the first installment of the multi-year pledge from the Indianapolis-based company.

With its latest pledge, Indiana Bell has donated $150,000 toward the continued development of Rose-Hulman.

"Integrated circuits are fundamental to the implementation of EDI (Electronic Data Interchange) and are vital to the future production of computers," said Jeff Floyd, associate professor of electrical engineering and director of the college's Very Large Scale Integration (VLSI) Design Program.

Within two to three years, integrated circuits will be used in household appliances like refrigerators and washers, to make them more energy efficient, Floyd said.

(more)
GILMAN NATIVE RECEIVING HANDS-ON EXPERIENCE IN VLSI DESIGN

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"The chip is designed to make it easier for two computers to pass messages to each other," Mueller said.

Mueller and his group spent the first three weeks of the course discussing ideas and functions for the chip. The next several weeks were devoted to developing a design which could be simulated and tested. After testing was completed, plans for the chip were sent to Texas Instruments in Houston for fabrication.

Texas Instruments has agreed to fabricate the 2-millimeter by 5-millimeter chip at no charge to Rose-Hulman, a process that could cost around $100,000, according to Froyd. The fabricated chip is expected to be returned to Mueller and his group from Texas Instruments sometime in April.
I think the most difficult part of the project was learning to communicate effectively between each other," Mueller said. "We learned a lot about VLSI technology, but we also learned what it takes to work on a major product as a group."

Mueller, an electrical engineering major, is the son of Wendell and Irma Mueller, R.R. 1, Box 115, Gilman.

TERRE HAUTE, Ind. -- Oregon, Ohio, native Dupty Lutz, a senior at Rose-Hulman Institute of Technology, is enrolled in a new course sequence that is teaching him how to design and test integrated circuits or "chips" which are keys to the development of the next generation of computers.

Integrated circuits are small enough to fit on the tip of a finger. They can be found in high-speed computers, defense electronics, submarine and aircraft sonar systems and computerized check-out counters.

"Integrated circuits are fundamental to the implementation of SDI (Strategic Defensive Initiative) and are vital to the future production of computers," said Jeff Floyd, associate professor of electrical engineering and director of the college's Very Large Scale Integration (VLSI) Design Program.

Within two to three years, integrated circuits will be used in household appliances like refrigerators and washers, to make them more energy efficient, Floyd said.

(more)
OREGON NATIVE RECEIVING HANDS-ON EXPERIENCE IN VLSI DESIGN

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(more)
"If you look ahead to the 1990s, consumer electronics will probably provide the biggest impact in the world marketplace. The ability of our country to compete in the electronics market will depend on the ability of our people to produce state-of-the-art components," he noted.

Lutz is a member of a four-man group of senior students who conceptualized an original design for an integrated circuit as part of a project for the new VLSI design course. Their design concept includes the interconnection of 5,500 transistors.

The idea behind the integrated circuit designed by Lutz and his group was to create a chip that would serve as an interface between two personal computers.

"The chip would actually work like a mailbox between two computers," Lutz said. "It would throw up a red flag to let one computer know when there was a message waiting from the other. Basically, we wanted to make it easy for the computers to pass messages to each other."

Lutz and his group spent the first three weeks of the course discussing ideas and functions for the chip. The next several weeks were devoted to developing a design which could be simulated and tested. After testing was completed, plans for the chip were sent to Texas Instruments in Houston for fabrication.
OREGON NATIVE RECEIVING HANDS-ON TRAINING -- ADD TWO

Texas Instruments has agreed to fabricate the 2-millimeter by 5-millimeter chip at no charge to Rose-Hulman, a process that could cost around $100,000, according to Froyd. The fabricated chip is expected to be returned to Lutz and his group from Texas Instruments sometime in April.

"I think the most important thing I learned from this experience was how to work in a group environment," Lutz said. "This project took a lot of planning and a lot of cooperation between everyone in the group. Instead of just reading about how to do the project in a textbook, we actually did it."

Lutz, an electrical engineering major, is the son of Richard and Darla Boyce, 128 Springwood West, Oregon.
FROM MINDS TO DESIGNS -- Toledo, Ohio, Mario Nigrovic, a senior at Rose-Hulman Institute of Technology in Terre Haute, Ind., uses a computer to simulate an integrated circuit he helped design. Nigrovic is enrolled in a new electrical engineering course at Rose-Hulman not offered to undergraduate students at many U.S. engineering and science colleges. The new course teaches students how to design and test integrated circuits ("chips") which are vital to the operation of consumer electronics products and high-tech equipment that includes defense electronics, submarine and aircraft sonar systems, computerized check-out counters and high-speed computers. Nigrovic, an electrical engineering major, is the son of Mr. and Mrs. Vladimir Nigrovic, 2637 Letchworth, Toledo.
ROSE COLLEGE BOWL TEAM FINISHES SECOND

TERRE HAUTE, Ind.—A five-member team from Rose-Hulman Institute of Technology finished second recently during regional College Bowl competition at Southern Illinois University.

The Rose-Hulman squad defeated Western Illinois, Northern Illinois and Southern Illinois universities during the contest sponsored by the Association of College Union International.

The team from the University of Notre Dame, which defeated Rose-Hulman twice during the tournament, won the competition.

Members of the Rose-Hulman team were sophomores Bryan Bell, Indianapolis; Mark Heiple, Peoria, Ill.; Sam Potter, Ora; Scott Terek, Merrillville; and junior Brent Repp, Palestine, Ill.

Faculty advisors for the team were Pat Brophy, associate professor of psychology, and Charles Kyker, associate professor of physics.

-30-
TERRE HAUTE, Ind.--The Rose-Hulman Institute of Technology Board of Managers Friday (Feb. 27) unanimously adopted a resolution citing the contributions made by the late John Logan to the development of the college during his tenure as president of the Institute.

The resolution, read by Jack Ragle, president of the board, praised Logan for his leadership that resulted in enrollment growth, improved academic quality of the student body and an increase in the college's endowment.

Logan's contributions to the betterment of life in this country, Europe and South America, through his efforts as an internationally known environmental engineer, were also noted by Ragle.

The resolution further stated, "Be it resolved by the Board of Managers of Rose-Hulman Institute of Technology on behalf of Rose-Hulman, its Board of Managers, the students, faculty, staff and alumni of Rose-Hulman, and on behalf of the citizens of Vigo County and the city of Terre Haute, as well as the citizens of"
the United States of America whom he served so loyally and beneficially, does hereby express their gratitude to John Alexander Logan and offer their condolences to Mrs. John Alexander Logan and his family for his untimely death Feb. 16, 1987.

-30-

WHEREAS, John Alexander Logan, the first President of Rose-Hulman Institute of Technology and the tenth President of Rose-Hulman Institute of Technology, passed away February 16, 1987, at his home in Terre Haute, Indiana, after having served as President from September 1964 until his retirement and elevation as President Emeritus as of July 1, 1979; and

WHEREAS, Rose-Hulman was elevated by John Alexander Logan's substantial professional expertise and dedication to the development and advancement of the educational excellence and academic, and during his tenure the enrollment of the Institute's student body population of Rose-Hulman more than doubled, while the annual research and development budget maintained its excellence in quality and increased the educational opportunities more than tenfold and

WHEREAS, John Alexander Logan has served the United States of America, both in war and in peace, and inspired many other nations with his professional skills and his personal dedication, distinction, and humanitarian contributions to the furtherance of the health, safety, security, city and community relationships for every individual and academic institution and
RESOLUTION OF BOARD OF MANAGERS
OF
ROSE-HULMAN INSTITUTE OF TECHNOLOGY

February 27, 1987

WHEREAS, John Alexander Logan, the first President Emeritus and the tenth President of Rose-Hulman Institute of Technology, died Monday, February 16, 1987, at his home in Terre Haute, Indiana, after having served as President from September 1962 until his retirement and election as President Emeritus as of July 1, 1976, and

WHEREAS, Rose-Hulman was elevated by John Alexander Logan's substantial professional expertise and dedication to its development both academically and in stature, and during his term the student and academic population of Rose-Hulman more than doubled while Rose-Hulman continued to maintain its excellence in quality and increased its endowment resources more than tenfold and

WHEREAS, John Alexander Logan has served his adopted country, the United States of America, both in war and in peace and has served other nations who have sought his professional skills in peace with loyalty, dedication, distinction, and honor and has also served his adopted home state, county, city and community generously and with diligence and accomplishment and

NOW, THEREFORE, BE IT RESOLVED, by the Board of Managers of Rose-Hulman Institute of Technology in behalf of the students, faculty and administration, the staff and the citizens of Vigo County and the citizens of the United States of America, the students, faculty, staff and students of Rose-Hulman Institute of Technology hereby express their appreciation and gratitude to John Alexander Logan and the family for their many years of diligent and selfless service.

BE IT FURTHER RESOLVED, that the President be instructed to present this Resolution to the family of John Alexander Logan and to the students, faculty and staff of Rose-Hulman Institute of Technology. 
SHERER FAMILY DONATES SEAMON CHRISTMAS CARD COLLECTION TO ROSE

TERRE HAUTE, Ind.--A 25-year collection of Christmas cards, featuring covers painted by Hoosier artist "Salty" Seamon, has been given to Rose-Hulman Institute of Technology in honor of Hazel Sherer and her late husband, Forrest.

The cards have become a holiday tradition in Terre Haute since the Forrest Sherer Insurance Agency first started distributing them 25 years ago.

In 1961, Seamon was commissioned by the Sherers to paint a popular Wabash Valley scene for the cover of Christmas cards they wanted to send to the clients of their insurance company. That first painting, a winter scene at the Narrows Bridge in Turkey Run State Park, was so popular that the tradition of Seamon Christmas cards has continued for 25 years at the local insurance agency.

Each painting that has appeared on the company's annual holiday greeting is included in a framed grouping that was presented recently to Rose-Hulman President Samuel Hulbert by Hazel Sherer. The framed works will hang in Olin Hall on the Rose-Hulman campus. Among the scenes shown on the covers of the Christmas cards are paintings of the Markle Mill, the Wabash and (more)
Erie Canal, Wiley and Garfield high schools, the Union and Big Four Depots, the Dreiser and Preston homes and many other well-known local landmarks.

"The idea for the Christmas cards grew out of our interest in Vigo County history," remarked Hazel Sherer.

"A lot of research was done by local historian Dorothy Clark who assisted with writing the historical descriptions on each card," Sherer noted.

Two or three scenes are considered each year and Sherer said that Seamon is given a free hand to determine what would be most appealing.

The cards have become so popular that she said people are always asking what scene will be featured next.

"That information is probably one of the best kept secrets in Terre Haute," she said.

The Seamon prints contained in the Sherer gift will join numerous other originals and prints of his works that are now part of the Rose-Hulman permanent art collection which also includes some of his paintings on loan from the Sherer agency.
TERRE HAUTE, Ind.--Five members of the Rose-Hulman Institute of Technology faculty have been promoted to the rank of professor, effective Sept. 1, 1987.

The advancements were approved recently by the Rose-Hulman Board of Managers.

Receiving the promotions were Roger G. Lautzenheiser and Brian J. Winkel, Department of Mathematics; Hannelore Lehr and Heinz C. Luegenbiehl, Division of Humanities, Social and Life Sciences; and William G. Ovens, Department of Mechanical Engineering.

Lautzenheiser joined the Rose-Hulman faculty in 1975 and has taught classes in calculus, differential equations and numerical analysis. Last year, he developed a new course about mathematical transformation methods and he has coordinated efforts to improve the syllabus for courses in calculus and differential equation classes.

Winkel teaches courses ranging from calculus to probability and differential equations. In addition to his teaching, he is the author of two nationally circulated publications, Collegiate Microcomputer and Cryptologia.

(more)
Lehr has been instrumental in the development of the Institute's unique technical translator program. She has taught German language courses since joining the Rose-Hulman faculty in 1968. In addition, she has lectured at the international conference of the American Translation Association and has been a contributor to the ATA science and technical division. Lehr also serves as a translator for several multinational corporations.

Since 1977, Luegenbiehl has been responsible for teaching courses in philosophy and ethics at Rose-Hulman. Those classes range from introductory philosophy to business and engineering ethics. Luegenbiehl has had numerous articles published in engineering and education journals relating to engineering ethics. In 1984, he was chosen by the U.S. Air Force Academy to serve as a visiting professor.

Ovens has become known on campus and in the corporate world for his expertise in the areas of producibility and manufacturing processes. A member of the Rose-Hulman mechanical engineering department since 1981, Ovens teaches classes about materials engineering, manufacturing methods and producibility considerations in design. In addition, he serves as a consultant to Martin Marietta Aerospace Division regarding material selection and processing. He is also a seminar speaker for IBM on the topic of material design for low cost manufacturing.
SELLERSBURG NATIVE ELECTED TO STUDENT GOVERNMENT POST AT ROSE-HULMAN

TERRE HAUTE, Ind. -- Todd Kost of Sellersburg has been elected president of the Student Government Association at Rose-Hulman Institute of Technology.

Kost, a 1984 valedictorian of Silver Creek High School, began his duties as the college's top student representative earlier this month. Part of his responsibilities as president includes overseeing budgets for 30 clubs on campus, organizing class elections and representing students to the school administration.

"My primary goal as president is to represent the students to the best of my ability," said Kost, a junior chemical engineering major. "It's my job to see that the budget is handled responsibly, and that I represent the feelings of the students to the administration."

This is the third year that Kost has had a voice in student government. For the past two years, he has served as representative for two residence halls on campus. He also has served as a Sophomore Advisor to freshman students and is presently a Residence Hall Assistant.
In addition to his new job, Kost is active in Lambda Chi Alpha social fraternity, Blue Key Honor Fraternity, Camera Club and intramural sports. He also serves as treasurer for the junior class.

"I’m really enjoying my experience as a student at Rose-Hulman," Kost said. "This is the place at which I felt I would grow the most. When I came here I knew I would have to study hard, but at the end of four years I'd graduate with a worthwhile degree."

Kost is the son of Dewey and Marilyn Kost, 655 Florida Drive, Sellersburg.

Rose-Hulman is a private, fully-accredited, undergraduate engineering college that offers rigorous hands-on training in nine major engineering and scientific fields.

"I ran for the office of vice president because I wanted to see how the student government is operated," said Walker, a junior computer science major. "This is an opportunity for me to improve my leadership skills and get more involved in the student body."

In addition to his new job, Walker is president of the Astronomy Club and active in intramural sports. He also has been nominated for membership in Upsilon Pi Epsilon, a national computer science fraternity.
WANATAH NATIVE ELECTED TO STUDENT GOVERNMENT POST AT ROSE-HULMAN

TERRE HAUTE, Ind. -- Paul Walker of Wanatah has been elected vice president of the Student Government Association at Rose-Hulman Institute of Technology.

Walker, a 1984 graduate of South Central Junior-Senior High School, began his duties as the college's number-two student representative earlier this month. Part of his responsibilities includes chairing all student government meetings, filling in for the president when he is absent, and helping to coordinate the budgets of 30 clubs on campus.

"I ran for the office of vice president because I wanted to see how the student government is operated," said Walker, a junior computer science major. "This is an opportunity for me to improve my leadership skills and get more involved in the student body."

In addition to his new job, Walker is president of the Astronomy Club and active in intramural sports. He also has been nominated for membership in Upsilon Pi Epsilon, a national computer science fraternity.
"I really enjoy the challenge of being a student at Rose-Hulman," Walker said. "I feel like I'm getting the education I need and I'm really involved in campus activities. If I have a problem with a class, I can go right to that professor and discuss things one-on-one."

Walker is the son of Paul and Anna Walker, 8592 South U.S. 421, Wanatah.

Rose-Hulman is a private, fully-accredited, undergraduate engineering college that offers rigorous hands-on education in nine major engineering and scientific fields.

-30-
TERRE HAUTE, Ind. -- The seventh annual "Engineers in Concert" program showcasing the musical talents of Rose-Hulman Institute of Technology students, faculty and staff will be presented on March 14, 7:30 p.m. in Moench Hall Auditorium.

The show will feature vocalists, pianists, violinists, trumpeters, trombonists, and an oboist, clarinetist, tuba player and french horn player. Admission is free and open to the public.

Pianists in the program are: Frank E. Acker, associate professor of electrical engineering, performing Adolph Henselt's "Spring Song"; Daniel T. English, junior from Kempton, Ill., performing "How Great Thou Art," by Stuart K. Hine; Michael D. Fitchett, sophomore from Jamestown, N.D., with "Adagio Sostenuto" from "Moonlight Sonata" by Ludwig van Beethoven; Kenneth Miller, freshman from New Haven, playing an original composition titled "Mauschen"; and Jack Fulton, junior from Evansville, performing "Blessed Assurance" by Fanny J. Crosby and Phoebe P. Knapp.

(more)
ENGINEERS IN CONCERT -- ADD ONE

Vocal soloists are: Andrew Mech, associate professor of mechanical engineering, singing "If With All Your Heart" by F. Mendelssohn, accompanied on the piano by his wife, Mimi; and Kenneth Miller performing a song by Guilio Caccini titled "Amarilli", accompanied on the piano by Alfred Schmidt, professor of mathematics.

Instrumentalists scheduled to perform are: Allen Hackney Jr., freshman from Terre Haute, playing "Concerto for Clarinet in B flat" by W.A. Mozart, accompanied on the piano by Alfred Schmidt; David Ewton, freshman from New Albany, performing an oboe solo to "Konzert in F-minor" by Telemann, accompanied on the piano by Alfred Schmidt; and Ken Carter, assistant professor of chemistry, playing the guitar.

A trio of musicians will perform an instrumental piece titled "Double Concerto in D minor" by J.S. Bach. The trio will consist of Luke Morehead, freshman from Indianapolis, on first violin; Ron Perrella, freshman from St. Jean De Bray, France, on second violin; and Jack Fulton, junior from Evansville, on piano.

A brass ensemble also will perform: Jim Chinni, junior from Oregon, Ohio, on trumpet; Deron Meranda, freshman from Cincinnati, Ohio, on trumpet; Dennis Worthington, graduate student from Williamsville, N.Y., on french horn; Keith Collier, senior from Seymour, on trombone; Tom Maicher, senior from Whiting, on trombone; and Tom Doerr, junior from Cambridge, Ohio, on tuba.

(more)
ENGINEERS IN CONCERT -- ADD TWO

A woodwind quintet will perform "Divertimento #1 in B flat for Woodwind Quintet" by J. Haydn. The quintet consists of: Paul Ritchie and Bryan Bell, sophomores from Indianapolis; John Buetow, freshman from Kokomo; and Allen Hackney and David Ewton.

The Rose Glee Club and Jazz Orchestra will close the show.

G. Elton Graves, assistant professor of mathematics, will serve as Master of Ceremonies.

"We have very creative and artistic students at Rose training to become engineers and scientists," said Frank E. Acker, coordinator of the program. "Many of the students involved in the show really had a difficult time deciding whether to study music or engineering. These are very quality musicians."
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: "ENGINEERS IN CONCERT"

START DATE: IMMEDIATELY

KILL DATE: MARCH 14, 7:30 P.M.

CONTACT: JOE HARGIS

THE SEVENTH ANNUAL "ENGINEERS IN CONCERT" PROGRAM SHOWCASING THE MUSICAL TALENTS OF ROSE-HULMAN INSTITUTE OF TECHNOLOGY STUDENTS, FACULTY AND STAFF WILL BE PRESENTED ON MARCH 14, 7:30 P.M., IN MOENCH (pronounced munch) HALL AUDITORIUM.

THE SHOW WILL FEATURE VOCALISTS, PIANISTS AND INSTRUMENTALISTS. ADMISSION IS FREE AND OPEN TO THE PUBLIC.

-30-
ROSE-HULMAN'S DAVID URBANEK EARNs ACADEMIC all-AMERICA HONORS

TERRE HAUTE, Ind. -- Admiral King High School graduate David Urbanek, leading scorer and rebounder the past two seasons at Rose-Hulman Institute of Technology, has been named to the second team of the GTE College Division Academic All-America basketball squad.

Urbanek, a 6-6, 215-pound junior center, was selected to the national team by College Sports Information Directors of America (CoSIDA). He has earned a 3.3 grade point average on a 4.0 scale while majoring in mechanical engineering.

In addition to his academic talents, Urbanek has started 71 consecutive games for the Engineers, scored 1,074 points and grabbed 536 rebounds in his career. This season he averaged 17 points and 7.3 rebounds per game.

An all-College Athletic Conference and All-South Region player last season, Urbanek ranks ninth on the Rose-Hulman all-time list for rebounds in a season with 205 he recorded in 1985-86.

(more)
RUSANEK EARNS ACADEMIC ALL-AMERICA HONORS -- ADD ONE

Rose-Hulman is an independent fully accredited college of engineering and science with an enrollment of approximately 1,300 students and competes in NCAA Division III.

Urbanek is the son of Alan and Gail Urbanek, 4428 Hickory Hill, Lorain, Ohio.

-30-
EDUCATORS TOLD HOW CORPORATE CHANGES WILL AFFECT ROLE OF FUTURE ENGINEERS

TERRE HAUTE, Ind.---Tomorrow's engineers may be working for companies that are smaller organizationally, more flexible and have a specific market niche, according to national business leaders who are members of an advisory board for curriculum development at Rose-Hulman Institute of Technology.

"It is apparent from our discussions with executives of large and small corporations that those characteristics will be common among companies that will survive the current restructuring of American business," said Dr. James Eifert, vice president for academic affairs and dean of the faculty at Rose-Hulman, who directs the activities of the college's National Board of Advisors.

The group consists of 120 members ranging from senior executives of Fortune 500 companies to owners of small emerging businesses. The board meets regularly on the Rose-Hulman campus to advise the college about business changes that will influence future academic decisions at the private engineering and science college.

(more)
"We are particularly interested in the fact that the number of engineers being employed within industries and the way in which they are being employed is changing dramatically," Eifert said.

"Board members strongly indicated that these characteristics of survival are evolving in the gigantic, multinational, conglomerate-type corporations that are in the process of reorganizing as well as in the survivors that are operating successful small companies," he noted during a report to the college's department chairmen.

According to Eifert, engineering colleges are going to have to prepare graduates to work for companies that, no matter how large, will be attempting to create operating units where the sphere of control and accountability is very small when compared to the recent past.

"We were told that corporations believe this smallness will create a system of responsibility that will bring out the best in both managers and the managed," Eifert stated.

"Future engineers are going to be working in jobs where they will be expected to be more flexible than their predecessors. Companies are trying not to get locked into a particular way of doing business or constrained by a fixed product line or specific service. Instead, businesses want to be better prepared to react to the demands and even the whim of their customer pool," Eifert believes.

He said corporate officials told the college's faculty that engineering managers will be expected to help companies focus attention on a relatively small market niche.

(more)
"The time when industrial success was to try to be all things to all customers appears to be over," Eifert commented.

"Managers will be required to avoid the temptation to constantly expand the sphere of services provided by their companies," he predicted.

Eifert said educators who interact with American industry must realize they will be dealing with more companies and smaller companies in the future in order to accomplish fund-raising, placement and research goals.

"It is obvious that research capability has been and will continue to be lost by market-driven business restructuring resulting in smaller companies.

"This has already been seen at AT&T, and last year Exxon dismantled its production research facility in Houston by reassigning or discharging 2,000 scientists," he pointed out.

In the past, recommendations by Rose-Hulman's National Board of Advisors have been important in the college's decision to put more emphasis on teaching communication skills and in determining the role of the personal computer on campus.
TERRE HAUTE, Ind. -- Local college students will have an opportunity to listen and talk to a panel of nationally known writers, government officials and astronomers about the future of science and technology during a satellite broadcast March 11 which will be shown at Rose-Hulman Institute of Technology.

The telecast, entitled "Science and Technology: The Future," provides a live forum dealing with the effects science and technology will have on our near and distant future. Noted panelists will address a wide range of topics including the commercialization and militarization of space, the implications of satellites and space colonization.

The program runs from 8 p.m. to 10 p.m. and will be shown in the GM Room of Moench Hall.

Panelists scheduled to participate in the broadcast include: futurist and author, D. Alvin Toffler; Isaac Asimov, science and science fiction writer; astronaut Sally Ride; Lt. Gen. James Abramson, head of the Strategic Defense Initiative (Star Wars); Barry Jones, Australia's Minister of Science; and others.
Taped comments will be presented by astronomer Carl
Sagan, author Norman Mailer, science writer Arthur C. Clarke
and President Ronald Reagan.

The program will feature an interactive transmission
system that will allow students to make statements and ask
questions of the panelists. Colleges from around the nation
will be linked to the College Satellite Network, which is
producing the program for the National Association for
Campus Activities.

-30-
Khorana to Head National Study of Optics Education Programs

TERRE HAUTE, Ind. -- Brij Khorana, who directs the physics program and the Center for Applied Optics Studies at Rose-Hulman Institute of Technology, has been selected chairman of a national committee that will set guidelines for the development of undergraduate programs in applied optics.

The committee, sponsored by the International Society for Optical Engineering, will study curriculum standards and determine what type of academic background a professional opticist should possess. Committee members will include representatives from government and business as well as higher education.

"There is a great deal of national interest regarding how the new field of optics will be developed at the undergraduate level," said Khorana, who is professor of physics, chairman of the Rose-Hulman Department of Physics and director of the optics center.

"Obviously, our concern is that standards be established that will result in quality academic programs," he explained.

According to Khorana, the committee will also study whether accreditation or certification of undergraduate optics programs would be appropriate in the immediate future.

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He said the committee must issue its findings by Dec. 31.

Rose-Hulman is one of only a few colleges that offers a masters degree program in applied optics.

The Center for Applied Optics Studies at Rose-Hulman is the only one of its kind in the state that is now providing services to Indiana businesses in the area of fiber optics, lasers and other optics technology. The Center is supported, in part, by a grant from the Indiana Corporation for Science and Technology.
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology basketball team completed the 1986-87 season with a 13-13 record that included a 4-6 mark in the College Athletic Conference.

The Engineers improved in several statistical categories as compared to last season's 12-14 squad. They hit 738 field goals out of 1,460 attempts, a .505 percentage. Last season, Rose-Hulman was 688-of-1,454 from the field for .473 percent.

This season's team also made improvements in free throw percentage (.689 this season, .675 last season), assists (338 this season, 305 last season), points scored (1934 this season, 1775 last season) and scoring margin (+2.4 this season, -2.2 last season).

"I thought the team played very well five out of the last six games of the season" said Head Coach John Mutchner. "We played three top twenty teams in a row and played them all close. We improved in a lot of important areas and I look for us to have a pretty good club next year."

(more)
The Engineers took advantage of the NCAA's new three-point rule during the 1986-87 season by connecting on .414 percent of their shots (113-of-273). Freshman guard Mike Webster, mechanical engineering major from Casey, Ill., hit 12 three-point shots in a 76-72 loss to Eureka College in the championship of the Rose-Hulman Invitational. Against Eureka, he was 12-of-20 from three-point range and finished with 38 points - ninth highest single game point total in Rose-Hulman history.

The Engineers were led in scoring for the second consecutive season by junior center David Urbanek, mechanical engineering major from Lorain, Ohio. He averaged 17 points and 7.3 rebounds per game, and he improved his career point total to 1,074. He also tied for the team leadership in blocked shots (27) and finished third in steals with 25.

In addition to his athletic talents, Urbanek was selected to the GTE Academic All-America second team by members of the College Sports Information Directors of America (CoSIDA). Last season, he was a second team District Five All-Academic pick.

Other top individual performances for the Engineers came from forwards Doug Underwood, junior chemical engineering major from North Manchester, and Jeff Rea, senior mechanical engineering major from Attica. Underwood averaged 12.1 points and 5.7 rebounds per game while Rea chipped in 10 points and 4.5 rebounds. (more)
ENGINEER BASKETBALL -- ADD TWO

Underwood had single-game highs of 29 points and 14 rebounds in an 88-76 win over Ohio Dominican. Rea had his best performance in a 72-69 loss at Rhodes College. He scored 15 points and had eight rebounds to lead Rose-Hulman in both categories.

Reserve guard/forward Jeff Harrison, a sophomore computer science/electrical engineering major from Jeffersonville, averaged 5.4 points and 3.2 rebounds. In addition to his steady offensive production, Harrison finished second on the team in steals with 31.

Four freshmen played pivotal roles for the Engineers this season: Webster, Dustin DeHaven, Ron Steinhart and Tim Cindric.

Webster played in all 26 games, starting 19. He averaged 11.7 points per game and led the team in steals with 37.

DeHaven, an electrical engineering major from Logansport, and Steinhart, chemical engineering major from Huntingburg, gave Rose-Hulman added depth at the guard position, something the Engineers lacked last season.

A part-time starter who played in every game, DeHaven averaged 7.6 points and hit over 40 percent of his three-point shots (41-of-102). Steinhart played in 22 games, starting the last six, and averaged 2.4 points and 2.9 rebounds per game. He also led the team in assists with 66.

Cindric, a mechanical engineering major from Indianapolis, was a part-time starter at center and forward. He averaged 4.8 points and 3.5 rebounds per contest.

(more)
"We greatly improved our outside shooting with Webster and DeHaven," Mutchner said. "Steinhart moved into the starting lineup the last few games with good, overall play, and Cindric did a fine job when he was in there."

In mapping out team goals for next season, Mutchner cited "consistency" as No. 1 on the list. "We've got to be able to be consistent over the course of the season, and during 40 minutes of a game," he said. "There were times when we looked as good as anybody on our schedule, but those were times when we were playing good, consistent basketball."

The Engineers will lose two players next season to graduation. They are Rea and reserve guard James Yoakum, mechanical engineering major from Boonville. Rea was a four-year starter. Yoakum, a defensive specialist, averaged 2.6 points per game.
**1986-87 ROSE-HULMAN BASKETBALL STATISTICS - FINAL**

Record: 13-13 Overall (Home: 9-5) (Away: 4-8)  
4-6 (College Athletic Conference) (Home: 4-1, Away: 0-5)

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<tr>
<th>NAME</th>
<th>GP-GS</th>
<th>FG-FGA</th>
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| THREE POINT GOALS (Made/Attempted/Pct.): Webster (62-143, .434), DeHaven (41-102, .402), Meyer (4-7, .571), Rea (3-7, .429), Land (2-7, .286), Steinhart (1-6, .167), Reitmeyer (0-1, .000), Harrison (0-4, .000), TOTAL (113-273, .414).

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| DEAD BALL REBOUNDS: RHT-62, OPPONENTS-73 |
| Blocked Shots: Urbanek (27), Rea (27), Underwood (25), Steinhart (14), Harrison (7), Cindric (5), Webster (5), DeHaven (4), Olsen (1) |
| Steals: Webster (37), Harrison (31), Urbanek (25), DeHaven (22), Steinhart (22), Rea (20), Underwood (18), Cindric (14), Yoakum (13), Meyer (6), Land (4), Olsen (2), Others (2) |
| Turnovers: Underwood (63), Urbanek (59), Webster (58), Rea (55), DeHaven (50), Steinhart (33), Harrison (26), Cindric (25), Land (23), Yoakum (18), Meyer (7), Bowman (4), Olsen (4), Others (3), Reitmeyer (2) |
## 1986-87 ROSE-HULMAN CAC STATISTICS

### GP-GS FG-FGA PCT FT-FTA PCT REB AVG PF-D AST PTS HI AVG

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### AND SCORING MARGINS

| PD'NT GOALS (Made/Attempted/Pct.): Webster (25-58, .431), DeHaven (24-47, .511), Meyer (2-2, 1.000), Rea (0-1, .000), Steinhart (0-2, .000), TOTAL (51-140, .486). OPPONENTS (34-70, .486) |
| --OPPONENTS (34-70, .486) |
| REBOUNDS: RHIT-37, OPPONENTS-51 |
| LOCKED SHOTS: Urbanek (12), Steinhart (7), Rea (7), Cindric (4), Harrison (4), Underwood (4), DeHaven (2), Webster (1) |
| STEALS: Urbanek (10), Webster (10), Harrison (9), Underwood (7), DeHaven (6), Steinhart (6), Rea (5), Yokum (4), Cindric (3), Meyer (3), Olsen (1), --Others (1) |
| TURNOVERS: Webster (23), Underwood (22), Rea (19), Steinhart (17), DeHaven (16), Urbanek (16), Harrison (10), Yokum (7), Bowman (3), Land (3), Meyer (3), Olsen (3), --Others (2), Reitmeyer (1) |

### ROCKET POINT GOALS (Made/Attempted/Pct.)

- Webster (25-58, .431), DeHaven (24-47, .511), Meyer (2-2, 1.000), Rea (0-1, .000), Steinhart (0-2, .000), TOTAL (51-140, .486). OPPONENTS (34-70, .486)

### DEAD BALL REBOUNDS: RHIT-37, OPPONENTS-51

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### BOUNDING AND SCORING MARGINS

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+3.0          +3.6
## Summary (13-13 overall) Home Games - ALL CAPS; #R-H Invit.; *CAC games

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### Top Scorer

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### Top Rebounder

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### Team Highs

- **Goals Scored**: 94 vs. Centre, Feb. 10
- **Goals Made**: 39 vs. Greenville, Jan. 6
- **Goals Attempted**: 77 vs. Fisk, Jan. 17
- **Goal Percentage**: .639 vs. Greenville, Jan. 6
- **Throws Made**: 28 vs. Earlham, Dec. 16
- **Throws Attempted**: 33 vs. Earlham, Dec. 16
- **Throw Percentage**: .923 vs. Rhodes, Jan. 12
- **Shots Made**: 59 vs. Fisk, Jan. 17
- **Shots**: 26 vs. Greenville, Jan. 6
- **Shots Made**: 17 vs. Ohio Dominican, Dec. 18

### Individual Highs

- **Shots Scored**: 38, Webster vs. Eureka, Dec. 12
- **Point Goals**: 12, Webster vs. Eureka, Dec. 12
- **Goals Made**: 13, Underwood vs. Ohio Dominican, Dec. 18
- **Goals Attempted**: 21, Webster vs. Eureka, Dec. 12
- **Goal Percentage (Min. 10 made)**: .917 (11-12), Urbanek vs. G'ville, Jan. 6
- **Throws Made**: 9, Rea vs. Principia, Nov. 28
- **Shots Made**: 9, Underwood vs. Manchester, Jan. 31
- **Shots Made**: 9, Urbanek vs. MacMurray, Feb. 2
- **Shots Attempted**: 14, Rea vs. Principia, Nov. 28
- **Throw Percentage (Min. 5 made)**: .917 (6-6), Harrison vs. Rhodes, Jan. 12
- **Shots Made**: 14, Underwood vs. Ohio Dominican, Dec. 18
- **Shots**: 8, Steinhart vs. Sewanee, Feb. 6 and vs. Centre, Feb. 10
- **Shots Made**: 5, Webster vs. Brescia, Nov. 26
- **Shots Made**: 5, Steinhart vs. Wabash, Feb. 19

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FROM MINDS TO DESIGNS -- Toledo, Ohio, native Mario Nigrovic, a senior at Rose-Hulman Institute of Technology in Terre Haute, Ind., uses a computer to simulate an integrated circuit he helped design. Nigrovic is enrolled in a new electrical engineering course at Rose-Hulman not offered to undergraduate students at many U.S. engineering and science colleges. The new course teaches students how to design and test integrated circuits ("chips") which are vital to the operation of consumer electronics products and high-tech equipment that includes defense electronics, submarine and aircraft sonar systems, computerized check-out counters and high-speed computers.

-30-
ROSE-HULMAN STUDENT WINS NATIONAL AWARD

TERRE HAUTE, Ind. -- Cincinnati, Ohio, native Deron Meranda, a freshman at Rose-Hulman Institute of Technology, has been named one of ten national winners in the fifth annual Honeywell Futurist Awards Competition.

The contest was open to any person enrolled as a regular full-time graduate or undergraduate student at any United States college or university. Seven hundred and fifty seven students entered the contest, representing 324 schools and 47 states.

Contestants were asked to look ahead 25 years and write an essay about one of the following technological areas: electronic communications, energy, aerospace, computer science, manufacturing automation or office automation.

Meranda selected the area of computer science for his essay topic. He is a computer science major at Rose-Hulman.

"I tried to hint that we would get away from electronics and more into the physical property of light" in the processing and transmitting of data, Meranda said. "Then I tried to provide an alternative method to computer memories with a more advanced method of retrieval."

(more)
MERANDA WINS NATIONAL AWARD -- ADD ONE

A second essay was required of each participant to address the social, economical and environmental impact of the technological progress.

Essays were judged by a panel of Honeywell scientists and engineers on the basis of feasibility, clarity, creativity and legibility.

Each winner receives a cash award of $3,000 and the opportunity for a paid summer internship with Honeywell.

"I really didn't think I would win this year, but I thought this would be good practice for the next year," Meranda said. "The whole thing sounded interesting to me, and Honeywell is one of the top companies that I am interested in working for."

Meranda is the son of Jerry and Judy Meranda, 4420 Norway Court, Cincinnati.

-30-

TENNIS TEAM TO BEGIN SEASON ON THE ROAD

TENRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team is scheduled to open the season at DePauw University in Crawfordsville today (March 13) at 3:30 P.M.

Members of this year's squad are: George Angelow, sophomore; Hobart; Chad Branch, junior, Thackston; Mark Cawder, junior, Terre Haute; Jay Elder, sophomore, Indianapolis; George Farber, freshman, Thaxton, West.; Shawn Huffman, junior, Louisville, Ky.; David Ivaldi, freshman, Hobart; Mike King, junior, Columbus; Evan Kokosa, sophomore, Terre Haute; Mike Linder, freshman, Wilwood; Kelvin Mason, sophomore, Boonville; Neil Petroff, freshman, Terre Haute; John Plackett, junior, Anderson; Chad Warren; sophomore, Summitville; Doug Wiser, freshman, Bradenton, Fla.; and Ron Winco, freshman, Danville, Ill.

"We play a very challenging schedule," said Head Coach and Athletic Director Gene Hit. "We're going to play some of the better Division III teams which we hope will prepare us for our conference championships in May."

Last year Rose-Hulman finished its season with a 14-7 record and third place finish in the College Athletic Conference.
SPRING SPORTS ACTIVITIES AT ROSE-HULMAN THIS WEEK

THIS WEEK'S SCHEDULE:
* THU., MARCH 12 -- TENNIS TEAM AT DEPAUW, 3:30 P.M.
* SAT., MARCH 14 -- INDIANA LITTLE STATE INDOOR TRACK CHAMPIONSHIPS AT SHOOK MEMORIALFIELDHOUSE, 9:30 A.M.
* SAT., MARCH 14 -- TENNIS TEAM HOSTS RIPON, 9:30 A.M.

UPCOMING EVENTS:
* SAT., MARCH 21 -- TENNIS TEAM HOSTS FRANKLIN, 9:30 A.M.
* SAT., MARCH 21 -- OUTDOOR TRACK TEAM Hosts ANDERSON, NOON, PHIL BROWN FIELD
* SAT., MARCH 21 -- BASEBALL TEAM AT MARIAN, DOUBLE-HEADER, 1 P.M.

TENNIS TEAM TO BEGIN SEASON ON THE ROAD

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team is scheduled to open the season at DePauw University in Crawfordsville today (March 12) at 3:30 P.M.

Members of this year's squad are: George Angelov, freshman, Hobart; Chad Beesley, senior, Thorntown; Mark Crowder, junior, Terre Haute; Jay Eiler, sophomore, Indianapolis; George Farber, freshman, Tacoma, Wash.; Shawn Huffman, junior, Louisville, Ky.; Davide Ivaldi, freshman, Hobart; Mike King, junior, Columbus; Evan Kokoska, sophomore, Terre Haute; Mike Linder, freshman, Elwood; Kelvin Mason, sophomore, Boonville; Neil Petroff, freshman, Merrillville; John Puckett, junior, Anderson; Chad Warren, sophomore, Summitville; Doug Weiser, freshman, Bradenton, Fla.; and Ron Wingo, freshman, Danville, Ill.

"We play a very challenging schedule," said Head Coach and Athletic Director Gene Mitz. "We're going to play some of the better Division III teams which we hope will prepare us for our conference championships in May."

Last year Rose-Hulman finished its season with a 14-7 record and third place finish in the College Athletic Conference.

(more)
ROSE-HULMAN TO HOST LITTLE STATE INDOOR MEET
*****************************************************************************

TERRE HAUTE, Ind. -- Rose-Hulman Institute of Technology will host the Indiana Little State Indoor Track and Field Championships on Saturday (March 14) at Shook Memorial Fieldhouse. Field events begin at 9:30 a.m. and running events start at noon.

Nine schools are scheduled to participate at this year's meet including Butler University, last year's winner. Other schools entered are: Rose-Hulman, Manchester, Tri-State, Taylor, University of Indianapolis, DePauw, Hanover and Huntington.

"It appears Butler will be the favorite," said Head Coach Bill Welch. "They have the strongest group on paper and they're the defending champions. But the University of Indianapolis, Rose-Hulman and Taylor will be among the challengers."

Rose-Hulman finished third at last year's championships.

BASEBALL TEAM FINISHES SOUTHERN TRIP WITH 6-3 RECORD
*****************************************************************************

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology baseball team recently completed its spring trip to Florida and returned with a 6-3 record.

Junior pitcher Joe Witulski picked up two victories on the trip. He hurled the Engineers to wins over Loras (7-4) and Rochester Institute of Technology (13-2).

"I thought we played pretty well as a team," said Head Coach Jim Rendel, in his 11th season with the Engineers. "We got good pitching and had several players hit the ball very well."

Leading hitters for Rose-Hulman through nine games are senior catcher Bruce Fenimore (.467), senior outfielder James Yoakum (.412), senior infielder Grant Sharp (.389) and sophomore outfielder Gary Workman (.365).

Top pitchers thus far are Witulski with a 2-0 record and 1.16 earned run average, and senior Bruce Cluskey with a 1-1 mark and 2.33 ERA.

The Engineers are batting .269 as a team while the pitchers are allowing just 3.79 runs per nine innings.

Rose-Hulman opens its regular season on March 21 with a 1 p.m. double-header at Marian College. The Engineers are at home the following day against Franklin College in a 1 p.m. double-header at Art Nehf Field.
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<th>Date</th>
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<td>Thurs., March 12</td>
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<td>Earlham College</td>
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<td>Thurs., Fri. &amp; Sat., May 7, 8 &amp; 9</td>
<td>College Athletic Conference Spring Sports Festival</td>
<td>Earlham College</td>
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Coach: Gene Mitz
BONNER-WILLIAMS PAINTINGS DISPLAYED

TERRE HAUTE, Ind.--A new art exhibit at Rose-Hulman Institute of Technology features oil paintings by Jean Bonner-Williams of Terre Haute.

Twenty landscape and still life works will be on display until March 31 on the second floor of Moench Hall. The exhibit can be viewed from 8 a.m. until 6 p.m. Monday thru Friday.

"While most exhibits showcase the works of veteran artists, there is something to be learned from the works of a new painter," says Polly Seamon, Rose-Hulman art curator.

"The opportunities for new, unknown artists to display their works are few. At Rose-Hulman, we want to provide the public with a chance to see the creativity of people that are not well-known either locally or regionally," she said.
SPORTS INFORMATION

CONTACT: Joe Hargis

FOR RELEASE: Upon receipt
March 16, 1987

SPRING SPORTS ACTIVITIES AT ROSE-HULMAN THIS WEEK
*******************************************************************

THIS WEEK'S SCHEDULE:
* SAT., MARCH 21 -- TENNIS TEAM HOSTS FRANKLIN, 9:30 A.M.
* SAT., MARCH 21 -- OUTDOOR TRACK TEAM HOSTS ANDERSON, NOON, PHIL BROWN FIELD
* SAT., MARCH 21 -- BASEBALL TEAM AT MARIAN, DOUBLE-HEADER, 1 P.M.
* SUN., MARCH 22 -- BASEBALL TEAM HOSTS FRANKLIN, DOUBLE-HEADER, ART NEHF FIELD, 1 P.M.

UPCOMING EVENTS:
* TUE., MARCH 24 -- TENNIS TEAM HOSTS UNIVERSITY OF SOUTHERN INDIANA, 3:30 P.M.
* WED., MARCH 25 -- TENNIS TEAM AT WABASH, 3:30 P.M.
* WED., MARCH 25 -- BASEBALL TEAM AT WABASH, DOUBLE-HEADER, 1 P.M.
* SAT., MARCH 28 -- GOLF TEAM AT HANOVER, 8:30 A.M.
* SAT., MARCH 28 -- OUTDOOR TRACK AT HANOVER, NOON
* SAT., MARCH 28 -- TENNIS AT WASHINGTON UNIVERSITY, 9 A.M.
* SAT., MARCH 28 -- BASEBALL TEAM AT EARLHAM, DOUBLE-HEADER, 1 P.M.

BASEBALL TEAM SET TO OPEN REGULAR SEASON
*******************************************************************

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology baseball team begins its regular season schedule on Saturday (March 21) with a double-header at Marian College beginning at 1 p.m.

The Engineers enter regular season play with a 6-3 record, having recently completed their spring trip to Florida.

Junior pitcher Joe Witulski picked up two victories on the Southern trip. He hurled the Engineers to wins over Loras (7-4) and Rochester Institute of Technology (13-2).

"We're expecting good things this season," said Head Coach Jim Rendel, in his 11th season with the Engineers. "We've got good, experienced players and a fine group of newcomers."

(more)
ROSE-HULMAN SPRING SPORTS -- ADD ONE

BASEBALL CONTINUED...

Leading hitters for Rose-Hulman through nine games are senior catcher Bruce Fenimore (.467), senior outfielder James Yoakum (.412), senior infielder Grant Sharp (.389) and sophomore outfielder Gary Workman (.365).

Top pitchers thus far are Witulski with a 2-0 record and 1.16 earned run average, and senior Bruce Cluskey with a 1-1 mark and 2.33 ERA.

The Engineers are batting .269 as a team while the pitchers are allowing just 3.79 runs per nine innings.

Rose-Hulman is scheduled to play its first home games on Sunday (March 22) against Franklin College in a 1 p.m. double-header at Art Nehf Field.

ENGINEERS PLACE THIRD AT LITTLE STATE INDOOR MEET

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology indoor track team completed its season with a third-place finish at the Indiana Little State Track and Field Invitational last Saturday (March 14) in Shook Memorial Fieldhouse on the Rose-Hulman campus.

Butler University won the title for the second consecutive year by racking up 135.5 points, 17.5 points better than second-place University of Indianapolis.

Complete team scores were as follows: Butler 135.5, University of Indianapolis 118, Rose-Hulman 79, Taylor 70, Manchester 23.5, Huntington 22, Hanover 20, DePauw 19.5, Tri-State 8.5.

Rose-Hulman's Kurt Kelso, senior mechanical engineering major from Indianapolis, placed first in the 1000-yard run in a time of 2:19.5.

ENGINEER TENNIS TEAM TO HOST FRANKLIN ON SATURDAY

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team hosts Franklin College for a 9:30 a.m. match on Saturday (March 21).

The Engineers were defeated in their first two matches, losing to highly-touted DePauw and Ripon College.

"We're showing some improvement," Head Coach Gene Mitz said. "We've got a young and inexperienced team and it's early in the season. I look for things to get better as the season progresses."
TERRE HAUTE, Ind.--_____ (student) of (your city) has been named to the dean's list for the winter quarter of the academic year at Rose-Hulman Institute of Technology.

_____, son of _____ (parents), was among 443 undergraduate students who earned at least a 3.3 grade point average (on a 4.0 scale), according to Jess R. Lucas, vice president for student affairs.

Rose-Hulman has an enrollment of 1,300 students. One out of five students ranked in the top three positions of his graduating high school class. One in 10 is the winner of a National Merit Scholarship and the median Rose-Hulman student ranked in the 95th percentile of his high school class.

The college offers degrees in chemical, civil, electrical and mechanical engineering, chemistry, computer science, economics, mathematics and physics.

-30-

Note that the following symbols represent specific degree areas:

CE -- civil engineering
EE -- electrical engineering
CH -- chemical engineering
MA -- mathematics
CM -- chemistry
ME -- mechanical engineering
CS -- computer science
PH -- physics
EC -- economics
CLASSICAL PIANISTS FEATURED
IN CONCERT MARCH 27

TERRE HAUTE, Ind.--The piano duo of Aebersold and Neiweem will perform music from Schubert, Liszt and Ravel during a concert March 27 which is part of the Rose-Hulman Institute of Technology Fine Arts Series.

The performance begins at 7:30 p.m. in the Moench Hall Auditorium.

The husband and wife team of Claire Aebersold and Ralph Neiweem have been featured in more than 100 concerts in the United States and Europe. The duo was recently honored on their recent tour of Italy for their performances of Schubert's marches.

The program at Rose-Hulman entitled "A Program of Works for Piano, Four Hands" will include "Variations sur une Theme Original in A Flat Major, D. 813" by Schubert, "Grand Galop Chromatique" and "Hungarian Rhapsody No. 2 in C Minor" by Liszt; and "Rhapsodie Espagnole" by Ravel.

The pair are frequent performers on Radio Italiana and will be featured this summer at the Institute for European Studies.

Tickets for the program can be purchased at the door prior to the concert. Prices are $3 for adults and $1.50 for senior citizens and non-Rose students.

-30-
SPORTS INFORMATION

CONTACT: Joe Hargis
FOR RELEASE: Upon receipt
March 24, 1986

SPRING SPORTS ACTIVITIES AT ROSE-HULMAN THIS WEEK

THIS WEEK'S SCHEDULE:

* TUE., MARCH 24 -- TENNIS TEAM HOSTS UNIVERSITY OF SOUTHERN INDIANA, 3:30 P.M.
* WED., MARCH 25 -- TENNIS TEAM AT WABASH, 3:30 P.M.
* WED., MARCH 25 -- BASEBALL TEAM AT WABASH, DOUBLE-HEADER, 1 P.M.
* SAT., MARCH 28 -- GOLF TEAM AT HANOVER, 8:30 A.M.
* SAT., MARCH 28 -- OUTDOOR TRACK AT HANOVER, NOON
* SAT., MARCH 28 -- TENNIS AT WASHINGTON UNIVERSITY, 9 A.M.
* SAT., MARCH 28 -- BASEBALL TEAM AT EARLHAM, DOUBLE-HEADER, 1 P.M.

UPCOMING EVENTS:

* TUE., MARCH 31 -- TENNIS AT UNIVERSITY OF INDIANAPOLIS, 3:30 P.M.
* TUE., MARCH 31 -- BASEBALL TEAM AT BUTLER, DOUBLE-HEADER, 1 P.M.
* WED., APRIL 1 -- TENNIS TEAM HOSTS VINCENNES, 3 P.M.
* WED., APRIL 1 -- BASEBALL TEAM AT INDIANA STATE, 1 P.M.
* FRI., APRIL 3 -- TENNIS TEAM AT LITTLE SEVEN, WABASH COLLEGE, 9 A.M.
* SAT., APRIL 4 -- TENNIS TEAM AT LITTLE SEVEN, 9 A.M.
* SAT., APRIL 4 -- TRACK TEAM HOSTS WABASH, NOON
* SAT., APRIL 4 -- GOLF TEAM AT TURKEY RUN CLASSIC
* SAT., APRIL 4 -- BASEBALL TEAM HOSTS MARIAN COLLEGE, DOUBLE-HEADER, 1 P.M., ART NEHF FIELD

TENNIS TEAM GETS FIRST WIN

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team defeated Franklin College, 5-4, last Saturday (Mar. 21) for its first win of the season.

Singles victories for the Engineers came from: Chad Beesley, senior from Thorntown, at No. 2; Ron Wingo, freshman from Danville, Ill., at No. 3; and Mark Crowder, junior from Terre Haute, at No. 4.

Engineer doubles teams of Wingo and John Puckett, junior from Anderson, and Beesley/Crowder won at No. 1 and No. 2, respectively.
The Rose-Hulman netters host the University of Southern Indiana today (Mar. 24) for a 3:30 p.m. match. The Engineers play at Wabash College the following day beginning at 3:30 p.m. and travel to Washington University in St. Louis, Mo., on Saturday (Mar. 28) for matches against Washington University and Wisconsin-Whitewater.

BASEBALL TEAM WINS ONE-OF-FOUR GAMES OVER WEEKEND
**************************************************
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology baseball team stands at 7-6 on the season after winning one-of-four games over the past weekend.

The Engineers split a double-header with Marian College on Saturday (Mar. 21) at Indianapolis, losing the first game, 11-7, and winning the second game, 9-7.

Kyle Thompson, freshman from Boonville, had two doubles, a single and four RBI on the day for the Engineers. Other top offensive performances came from second baseman Grant Sharp, senior from Cincinnati, Ohio, who went three-for-four in the second-game win, and catcher Robert Fuller, junior from Mattoon, Ill., who had a pair of doubles in the first game.

Winning pitcher for Rose-Hulman was Todd Hoevener, junior from Elizabethtown.

The Engineers lost both games of a Sunday (Mar. 22) double-header to visiting Franklin College by scores of 9-6 and 13-3. Mark Mayfield, senior from Terre Haute, had a double in the afternoon contest and a single in the nightcap.

Coach Jim Rendel's squad is scheduled to play double-headers at Wabash College on Wednesday (Mar. 25) and at Earlham College on Saturday (Mar. 28).

TRACK TEAM PREPARES FOR HANOVER ON SATURDAY
**************************************************
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology track team travels to Hanover College on Saturday (Mar. 28) for a dual meet beginning at noon.

The Engineers lost a close meet to visiting Anderson College last Saturday (Mar. 21) by the score of 86-76.

John Hanger, senior from Missoula, Mont., qualified for the NCAA Division III outdoor championships in the javelin with a throw of 198-feet, 7 and 1/2 inches. This is the third consecutive year Hanger has qualified for the outdoor championships in the javelin throw.

Other top performances and first-place finishes came from: Greg Hiatt, junior from Indianapolis, in the pole vault (9-feet); William Sears, senior from New Whiteland, in the 110-meter high hurdles (15.0); Kurt Kelso, senior from Indianapolis, in the 800-meter run (1:57.4); Chris Cook, junior from Elkhart, in the 200-meter dash (22.7); and Craig Dargan, senior from St. Louis, Mo., in the triple jump (41-feet, 1/2 inch).

The Engineers 4 X 100 relay team captured first in a time of 3:24.5.

-30-
MATH CONFERENCE TO GIVE UNDERGRADUATES UNIQUE OPPORTUNITY

TERRE HAUTE, Ind.--The fourth annual Rose-Hulman Institute of Technology Undergraduate Mathematics Conference April 3-4 will provide undergraduate students with a rare opportunity to discuss their research activities.

"Undergraduate research typically does not have a forum for recognition," notes Jack Kinney, Rose-Hulman Professor of Mathematics and conference director.

"Because their research is not earth-shaking, undergraduates are normally not included in academic meetings," Kinney explained.

Sixteen students, including eight from Rose-Hulman and Saint Mary of-the-Woods College, will give papers on math topics ranging from topology and probability to geometry and coding theory.

Rose-Hulman students who will deliver papers are Chris McGill of Terre Haute, and John Hoffman, Scott Krutsch and Mark Leonard. Participating from SMWC are Carol Walter of Terre Haute, and Ann Marie Macak, Kimberly Reinholt and Mary Ann Tyl.

Papers will also be delivered by students from Ohio State University, Butler University, Miami University of Ohio and Illinois Benedictine College.

(more)
"Undergraduate research needs to be encouraged and our conference aims to do that," Kinney said. "The number of papers to be presented this year is a strong indication that interest is increasing."

In addition to discussions about student research, participants will hear from H.T. Banks, a nationally-known mathematician who is a faculty member at Brown University.

Banks will discuss mathematical modeling and parameter estimation in physical and biological sciences. His lectures are scheduled April 3 at 1 p.m. in the GM Room of Moench Hall and April 4 at 2:15 p.m. in Olin Hall, Room 203.

Numerous faculty research papers will also be presented during the two-day meeting. Three Rose-Hulman mathematicians, Ralph Grimaldi, Al Schmidt and Brian Winkel, will discuss topics ranging from the physical applications of calculus to cryptology.

The conference is sponsored by the Rose-Hulman Department of Mathematics.

-30-
TERRE HAUTE, Ind.--The Opera Factory will perform two, one-act operas April 3 as the final program in the 1986-87 Fine Arts Series at Rose-Hulman Institute of Technology.

Featured will be performances of "The Secret of Suzanne" by Ernanno Wolf-Ferrari, and Salieri's "Little Harlequinade." Both will be performed in English with the cast featured in 18th century baroque costumes.

The program will begin at 7:30 p.m. in the Moench Hall Auditorium. Tickets can be purchased at the door prior to the performance. Prices are $3 for adults and $1.50 for senior citizens and non-Rose students.

The goal of the Chicago-based Opera Factory is to attract new audiences to opera and, at the same time, offer the traditional opera audience a unique choice of operatic pieces, according to Blanche Artis Lewis, artistic director.

Featured in the operas will be Donna Sadlicka and Andrew Schultze. Sadlicka has received vocal awards from the Society of American Musicians and the American Opera. Schultze has just completed performing in "The Mikado" with the Kansas City Lyric Theatre. He has also had leading roles with the Zurich and Pittsburgh Operas.
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: ROSE-HULMAN FINE ARTS SERIES

START DATE: IMMEDIATELY

KILL DATE: APRIL 3 AT 5 P.M.

MEDIA CONTACT: DAVID PIKER, EXT. 441

ONE OF THE MOST TRADITIONAL FORMS OF MUSIC WILL BE FEATURED DURING THE NEXT PROGRAM IN THE FINE ARTS SERIES SPONSORED BY ROSE-HULMAN INSTITUTE OF TECHNOLOGY. THE OPERA FACTORY WILL PERFORM TWO, ONE-ACT OPERAS ON FRIDAY, APRIL 3 AT 7:30 P.M. IN THE MOENCH (pronounced munch) HALL AUDITORIUM AT ROSE-HULMAN. TICKETS CAN BE PURCHASED AT THE DOOR. PRICES ARE $3 FOR ADULTS AND $1.50 FOR SENIOR CITIZENS AND NON-ROSE STUDENTS.
ROSE SENIORS RECEIVE NATIONAL SCIENCE FOUNDATION FELLOWSHIPS

TERRE HAUTE, Ind.--Three seniors at Rose-Hulman Institute of Technology have been awarded National Science Foundation graduate fellowships that will provide $36,900 scholarships to each student.

Joe Viray, a mechanical engineering major from Crawfordsville; Dan Tretter, an electrical engineering major from Ferdinand; and Erich Friedman, a mathematics major from Indianapolis, will all receive $12,300 NSF scholarships annually for up to three years.

All three are honor students and will pursue graduate or Ph.D. degrees.

Viray is expected to attend graduate school at the University of California at Berkeley after graduating from Rose-Hulman in May. His scholarship was awarded under the NSF minority fellowship program.

Tretter will use his scholarship to continue his education in electrical engineering at Purdue University. He plans to pursue a career in research engineering.

Friedman will attend Cornell University where he will pursue a Ph.D. degree in mathematics.

-30-
FRIEDMAN RECEIVES NATIONAL SCIENCE FOUNDATION FELLOWSHIP

TERRE HAUTE, Ind.--Erich Friedman, a Rose-Hulman Institute of Technology senior from Indianapolis, has been named the recipient of a National Science Foundation Graduate Fellowship that will provide scholarships totaling $36,900.

The NSF fellowship provides Friedman, an honors student at Rose-Hulman, with $12,300 a year for up to three years.

He will use the NSF scholarship to earn a Ph.D. degree in mathematics from Cornell University.

Friedman will graduate with a bachelors degree in mathematics in May. He plans to pursue a career in research. He is a 1983 graduate of North Central High School and the son of Ruth Friedman, 9328 Evergreen Ave.
TRETTER RECEIVES NATIONAL SCIENCE FOUNDATION FELLOWSHIP

TERRE HAUTE, Ind.--Dan Tretter, a Rose-Hulman Institute of Technology senior from Ferdinand, has been named the recipient of a National Science Foundation Graduate Fellowship that will provide scholarships totaling $36,900.

The NSF fellowship provides Tretter, an honors student at Rose-Hulman, with $12,300 a year for up to three years.

He will use the NSF scholarship to earn a masters degree in electrical engineering from Purdue University.

Tretter will graduate with a bachelors degree in electrical engineering in May. He plans to pursue a career in research engineering.

Tretter is the son of Leo and Vernie Tretter, R.R. 1.
ROSE-HULMAN’S BRUCE CLUSKEY TOSSES NO-HITTER IN ENGINEER WIN

TERRE HAUTE, Ind. -- Metamora (Ill.) High School graduate Bruce Cluskey, a senior at Rose-Hulman Institute of Technology, recently pitched a no-hit shutout for the Engineer baseball team.

Cluskey, a 6-1, 185-pound right-hander, accomplished the feat in a 5-0 win over Wabash College. He struck out four batters and walked five in becoming the first Rose-Hulman pitcher to throw a no-hitter in over 40 years. He has a 2-1 record this season.

An electrical engineering major, Cluskey is the son of Charles and Marie Cluskey, 329 Rim Road, East Peoria, Ill.
KLUEMPER WINS GM SCHOLARSHIP

TERRE HAUTE, Ind. -- Scott Kluemper, a sophomore at Rose-Hulman Institute of Technology and a graduate of Forest Park High School, has been awarded a General Motors Scholarship which will pay his tuition costs for the next two years and provide him with a summer internship at a GM facility.

The scholarship will cover more than $16,000 in tuition fees during his junior and senior years at Rose-Hulman. Kluemper will gain valuable experience during the next two summers working for GM at its Allison Gas Turbine plant in Indianapolis.

Kluemper, who is a National Merit Scholar, is the son of Thomas Kluemper, R. 3, Huntingburg, and Irma Kluemper, R.R. 1, Box 384, Ferdinand. He was nominated by Rose-Hulman and then interviewed on campus by representatives from GM.

Kluemper was selected for the scholarship because of his academic achievements, involvement in co-curricular activities, and interest pursuing a career in the automotive industry.

(more)
KLUEMPER NAMED GM SCHOLAR -- ADD ONE

A mechanical engineering major, Kluemper is active in intramural sports, Alpha Phi Omega national service fraternity and the Rose-Hulman Racing Club.

-30-

CONTACT: Joe Margis
FOR RELEASE: Upon receipt
March 27, 1987

SZABO WINS GM SCHOLARSHIP

TERRE HAUTE, Ind. -- Ronald Szabo, Jr., a sophomore at Rose-Hulman Institute of Technology and a graduate of Flushing High School, has been awarded a General Motors Scholarship which will pay his tuition costs for the next two years and provide him with a summer internship at a GM facility.

The scholarship will cover more than $15,000 in tuition fees during his junior and senior years at Rose-Hulman. Szabo will gain valuable experience during the next two summers working for GM at its Delco Electronics plant in Kokomo, Ind.

Szabo, who was a valedictorian at Flushing High School, is the son of Ronald and Barbara Szabo, 436 Hut West Drive, Flushing, Mich. He was nominated by Rose-Hulman and then interviewed on campus by representatives from GM.

Szabo was selected for the scholarship because of his academic achievements, involvement in co-curricular activities and interest in pursuing a career in the automotive industry.

(more)
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Szabo was selected for the scholarship because of his academic achievements, involvement in co-curricular activities and interest in pursuing a career in the automotive industry.

(more)
SZABO NAMED GM SCHOLAR -- ADD ONE

Szabo, who has been named to the dean's list, is majoring in electrical engineering. He is a member of Lambda Chi Alpha social fraternity, Institute of Electrical and Electronics Engineers and participates in intramural sports.

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TERRE HAUTE, Ind.—The 39th annual Mid-States Art Exhibit sponsored by the Evansville Museum of Arts and Sciences will be on display until April 17 in the Hulman Union at Rose-Hulman Institute of Technology.

The show contains the works of 27 Indiana, Illinois and Kentucky artists. Among the pieces is a bronze sculpture by Malti Slater of Terre Haute.

Many different art mediums are represented in the exhibit including oil, acrylic, pencil, graphite, watercolor and pastel paintings along with wood and mixed media sculptures.

The works chosen for the exhibit were selected from entries submitted by 271 artists from six Midwestern states.

Included in the exhibit is Susan Calza's oil painting, "Walking to the Moon" that was selected as the winner of the Museum Guild Purchase Award, the top prize in the competition. Six other award winners are also contained in the show.

The exhibit can be viewed from 8 a.m. until 9 p.m. each day. Further information can be obtained by calling 877-1511, ext. 346.
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-30-
TERRE HAUTE, Ind.--The idea seems simple. Improve teaching by getting college faculty from different departments to meet and talk about what they teach and how they can help each other be better teachers.

Even though that appears easy to do, such activity is unusual on most college campuses.

During the past five months at Rose-Hulman Institute of Technology, mathematicians have been spending more time talking with science and engineering professors.

Those involved say the informal brainstorming sessions, that began last fall, have motivated faculty and produced new ideas to improve undergraduate teaching.

"At most colleges, no matter how big or small, there is very little academic discussion between professors who teach different subjects," explained Brian Winkel, associate professor of mathematics and coordinator of the Lilly Seminars at Rose-Hulman.

"The majority of the time math professors talk about teaching math with other math professors and physics teachers talk about teaching with colleagues in their department," Winkel said.

(more)
"The time needed to keep current about the subject you teach prohibits much communication," he said. "And, that is unfortunate."

With the help of funding from the Lilly Endowment, Inc., a program was developed that has increased faculty communication and created a new sense of enthusiasm among those involved.

Viewing mathematics through the eyes of a student and experiencing the frustrations and discoveries of a student learning new concepts is one of the reasons Professor Gary Sherman, chairman of the college's Department of Mathematics, encouraged members of his department to seek support for the seminar, Winkel said.

The faculty discussions have grown out of the program created to introduce colleagues to new mathematical applications. To stimulate faculty interest, H.T. Banks, a nationally known mathematician from Brown University, has visited Rose-Hulman twice to introduce math concepts and to challenge faculty to utilize those new methods in undergraduate education.

Winkel says the program has returned faculty to a learning environment in which they have become students again.

"We're finding out more about the subjects we teach. We're challenging each other to apply our expertise to solve problems we normally would not have encountered," Winkel said.

"All of us are trying to use mathematical modeling to help a colleague in civil engineering solve a soils problem and a chemist is asking me what new information mathematics can provide about chemical flow and reactions," he says.

(more)
Already, the increased conversation between faculty has resulted in better utilization of campus computers, says participant Bruce Danner, professor of physics and director of the college's computing center.

"We're now utilizing six new, scientific, software packages. Faculty have also discovered new uses for computer plotters, and we're talking about the need for connecting faculty personal computers into a network to our main-frame computer.

"Those developments have all come about as a result of knowing more about the courses that each other teaches," he pointed out.

One of the objectives of the seminars is to learn current and future computer technology that can be used to solve complex mathematical formulations of physical problems.

Increased computer utilization is also one of Danner's goals. He said the faculty meetings have generated new ideas for computer-aided instruction.

"I'd like to see the computer used as a tool the same way a teacher or student uses a pencil or hand calculator," he remarked.

"The entire campus community is not yet to that point of thinking. But efforts like this program are sure heading us in the right direction," Danner says.

Ron Benson needed more information to solve a civil engineering problem about soil consolidation and he's getting help from the seminar.

"By assisting me solve a real-world problem, the mathematicians, at the same time, are solving new differential equations which are of interest to them," said Benson, who is an assistant professor of civil engineering.

(more)
"Math teachers are learning more about civil engineering and I'm learning more about math," Benson explained. "That's a healthy situation that will benefit all of us in our teaching."

Winkel says he's also discovering more about mathematics. "I'm using math in a different way and, therefore, I'm learning something new about its applications," he noted.

In addition to professors from mathematics, civil engineering and chemistry, faculty from physics, mechanical engineering and electrical engineering have also been involved in the program. "We wanted to see how different disciplines use mathematics," Winkel said.

"The program has been successful and it has grown beyond its original purpose. We want to involve even more faculty. I'm sure that this dialogue will continue even after Professor Banks' last visit in April," Winkel said.

"The bottom line to all this discussion is that the information, viewpoints and approaches we're learning and the new problems we're solving will be funneled into the classroom.

"Quite simply, it's going to make us better teachers," he emphasized.
TOUGH PROBLEM---A math formula designed to solve a civil engineering problem draws the attention of three Rose-Hulman professors participating in the Lilly Seminar Series. Ron Benson (left), civil engineering; Elton Graves (center), mathematics; and Bruce Danner, computer center, say the increased faculty communication created by the Series has resulted in new ideas to improve undergraduate teaching.
SPORTS INFORMATION

CONTACT: Joe Hargis

FOR RELEASE: Upon receipt
March 31, 1987

SPRING SPORTS ACTIVITIES AT ROSE-HULMAN THIS WEEK
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THIS WEEK'S SCHEDULE:

* TUE., MARCH 31 -- TENNIS AT UNIVERSITY OF INDIANAPOLIS, 3:30 P.M.

* TUE., MARCH 31 -- BASEBALL TEAM AT BUTLER, DOUBLE-HEADER, 1 P.M.

* WED., APRIL 1 -- TENNIS TEAM HOSTS VINCENNES, 3 P.M.

* WED., APRIL 1 -- BASEBALL TEAM AT INDIANA STATE, 1 P.M.

* FRI., APRIL 3 -- TENNIS TEAM AT KERRY SEWART MEMORIAL, TOURNAMENT, WABASH COLLEGE, 9 A.M.

* SAT., APRIL 4 -- TENNIS TEAM AT KERRY SEWART TOURNAMENT, 9 A.M.

* SAT., APRIL 4 -- TRACK TEAM HOSTS WABASH, NOON

* SAT., APRIL 4 -- GOLF TEAM AT TURKEY RUN CLASSIC

* SAT., APRIL 4 -- BASEBALL TEAM HOSTS MARIAN COLLEGE, DOUBLE-HEADER, 1 P.M., ART NEHF FIELD

ATHLETE OF THE WEEK (MARCH 22-29): Rose-Hulman pitcher Bruce Cluskey, a senior right-hander from East Peoria, Ill., hurled the first Engineer no-hitter in over 40 years last Wednesday (March 25) in a 5-0 win over Wabash College. Cluskey had four strikeouts in improving his record to 2-2 on the season. He is an electrical engineering major and a graduate of Metamora High School.

BASEBALL TEAM RIDING FOUR-GAME WIN STREAK
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TERRE HAUTE, Ind. -- Timely hitting and two outstanding pitching performances helped the Rose-Hulman Institute of Technology baseball team win four games last week and improve its overall record to 11-6.

Right-hander Bruce Cluskey, senior from East Peoria, Ill., pitched a no-hit shutout last Wednesday (March 25) to help give the Engineers a double-header sweep of Wabash College in Crawfordsville. Cluskey struck out four batters and walked five as the Engineers defeated the Little Giants 5-0 in the first game of the twinbill. Rose-Hulman took the second game by an 8-5 score as Mark Mayfield, senior from Terre Haute, hammered two home runs.

(more)
Last Saturday (March 28), Rose-Hulman swept a double-header from College Athletic Conference rival Earlham College by scores of 11-5 and 1-0. Todd Hoevener, junior from Elizabethtown, tossed a one-hit shutout in the second contest as the Engineers won their fourth consecutive game.

In the first game, Mayfield hit his fifth home run of the season in improving his batting average to .350.

"We're playing pretty well right now and when you get the kind of pitching like we got from Bruce (Cluskey) and Todd (Hoevener), we're going to win some games," Coach Jim Rendel said. "Offensively, we're not killing the ball but Mark Mayfield is really beginning to hit. He's the key to our offense. If he hits, then it seems like everyone hits."

The Engineers are scheduled to play a double-header today (March 31) at Butler, then travel across town to take on NCAA Division I Indiana State University in a single game on Wednesday (April 1). On Saturday (April 4), Rose-Hulman hosts Marian College for a double-header. All games are scheduled to begin at 1 p.m.

TRACK TEAM POSTS TRIANGULAR WIN AT HANOVER; HOSTS WABASH COLLEGE SATURDAY AT PHIL BROWN FIELD

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology track and field team won a triangular meet last Saturday (March 28) at Hanover College. The Engineers captured 14 of 19 events and racked up 127 points to 55 points for Hanover and nine for Asbury (Ky.) College.

All-America hurdler William Sears, senior from New Whiteland, won two events - the 110-meter high hurdles and 100-meter dash. Brett Starr, freshman from Plymouth, finished second in the long jump, second in the discus, third in the shot put and third in the javelin.

"There will be plenty of competition against Wabash on Saturday," Head Coach Bill Welch said. "This is always a good meet. Wabash beat us last year at their place by seven points and we expect another close meet."

GOLF TEAM TO PLAY AT TURKEY RUN CLASSIC

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology golf team is scheduled to play at the Turkey Run Classic on Saturday (April 4).

Last Saturday (March 28), the Engineers hit the links for the first time this spring and placed fourth out of nine teams at the Han Corbit hosted by Hanover College.

Bellarmine College won the meet, Franklin finished second and CAC opponent Centre College was third.

Scores for Rose-Hulman players were: Rick Kennedy, sophomore from Terre Haute, 76; Jim Getter, sophomore from Viroqua, Wisc., 77; Richard Lesniak, freshman from Merrillville, 79; Dennis Aldridge, senior from Beech Grove, 80; Tim Terry, junior from Mitchell, 84; and Scott Salter, freshman from Liberty, 86.

(more)
"I thought we played well for the first time out," Coach Scott Duncan said. "We had three players in the 70's and four in the low to middle 80's. Three of those players were participating in their first tournament and I think they were a little nervous. 

"Centre beat us by four strokes which concerns me a little bit. But we're going to try and find some ways to cut down on our strokes."

TENNIS TEAM DROPS WEEKEND MATCHES

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team ran into some tough competition at a triangular meet hosted by Washington University in St. Louis, Mo., last Saturday (March 28).

The Engineers dropped matches to the University of Chicago, 1-5, and nationally-ranked University of Wisconsin-Whitewater and Washington University by 0-9 and 1-8 scores, respectively.

Wisconsin-Whitewater entered play ranked 20th among NCAA Division III teams and Washington University was ranked 18th.

"We played against very good competition last weekend," Coach Gene Mitz said. "The scores of the matches really weren't indicative of how well we played. We lost matches but scored a lot of points."

Rose-Hulman is scheduled to play at the University of Indianapolis today (March 31) at 3:30 p.m. The Engineers are scheduled to host two matches this week - Vincennes University at 3 p.m. Wednesday (April 1) and the University of Southern Indiana at 3 p.m. on Thursday (April 2).

On Friday and Saturday (April 3-4), Rose-Hulman travels to Wabash College for the Kerry Sewart Memorial Tournament. Scheduled to participate at the Wabash tourney are: Rose-Hulman, Wabash, University of Southern Indiana, DePauw University, Butler University, University of Indianapolis, IUPUI, St. Joe's and Valparaiso.
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: MID-STATES ART EXHIBIT
START DATE: IMMEDIATELY
KILL DATE: APRIL 16, 1987
MEDIA CONTACT: DAVID PIKER, EXT. 441

THE WORKS OF 27 MIDWESTERN ARTISTS ARE ON DISPLAY FOR THE NEXT THREE WEEKS IN THE HULMAN UNION AT ROSE-HULMAN INSTITUTE OF TECHNOLOGY. THE PAINTINGS, DRAWINGS AND SCULPTURES MAKE UP THE 39TH ANNUAL MID-STATES ART EXHIBIT SPONSORED BY THE EVANSVILLE MUSEUM OF ARTS AND SCIENCES. THE EXHIBIT CAN BE VIEWED EACH DAY UNTIL APRIL 17 FROM 8 A.M. UNTIL 9 P.M.

-30-
VIRAY RECEIVES SCHOLARSHIP
WORTH $37,900

TERRE HAUTE, Ind.--Joe Viray of Crawfordsville, a senior at Rose-Hulman Institute of Technology, has been named the recipient of a $37,900 graduate fellowship from the National Science Foundation.

The scholarship provides $12,300 annually for up to three years. Viray will use the fellowship to earn a Ph.D. degree at the University of California (Berkeley). He qualified for the scholarship under the foundation's minority fellowship program.

Viray is an honor student at Rose-Hulman and has been named to the college's dean's list. He will receive a B.S. degree in mechanical engineering in May.

Viray is the son of Dr. Victoriano and Margaret Viray, 804 North Drive.

He is one of three Rose-Hulman seniors to receive the prestigious scholarship this year.

-30-
ROSE OFFERS SUMMER PROGRAMS FOR HIGH SCHOOL SENIORS

TERRE HAUTE, Ind. -- Two summer programs that will give high school students an opportunity to learn advanced computer programming or work with a college professor on engineering and science projects will be offered by Rose-Hulman Institute of Technology.

Applications are now being accepted for two sessions of Retupmoc and Operation Catapult which are scheduled during June and July for academically talented young men who will be high school seniors this fall.

The first session of Retupmoc will feature classes in Pascal computer language June 14-26. From June 28-July 10, students will be able to take classes in Assembler 8088 computer programming.

"Most high school students interested in computers already have a knowledge of BASIC language and our courses will take the students a step further in their ability to use personal computers and microprocessors," explained Cary Laxer, associate professor of computer science, who teaches the Retupmoc classes.

(more)
Operation Catapult is a three-week program that emphasizes problem-solving methods in a laboratory-intensive experience in the areas of chemistry, physics, mathematics, engineering and computer science, according to Noel Moore, professor of chemical engineering and director of the program.

The two sessions of Operation Catapult will be June 14-July 3 and July 12-31.

"Participants are involved in all phases of research from engineering design and laboratory work to technical report writing," he said.

Two quarter hours of college credit can be earned by participants who complete the requirements of each program.

Enrollment is limited in both summer programs and academically talented young men who have completed their junior year in high school are urged to apply for admission as soon as possible.

Applications and further information can be obtained by contacting the Rose-Hulman Office of Admissions, 5500 Wabash Ave., Terre Haute, Ind. 47803 or calling toll free 1-800-552-0725 from within Indiana or 1-800-225-5000 from outside the state.
RADOMSKY WINS GE FELLOWSHIP

TERRE HAUTE, Ind.---Michael Radomsky of Mentor, a senior at Rose-Hulman Institute of Technology, has been named the recipient of a General Electric Foundation Graduate Fellowship.

The scholarship, worth approximately $23,000, will cover the total costs of tuition and fees during his first year in graduate school at Johns-Hopkins University. The scholarship also includes a stipend of approximately $10,000.

An honors student at Rose-Hulman, Radomsky will graduate in May with a bachelors degree in chemical engineering.

As a result of his selection, the Rose-Hulman Department of Chemical Engineering will receive a $5,000 unrestricted grant from the Foundation.

The fellowship program is part of the GE Foundation's $15 million "Program for the '80s" which is intended to help correct the nationwide shortage of American students pursuing a Ph.D. in engineering or science. Over 250 academically talented students have been awarded fellowships as a result of the program.

Radomsky graduated Magna Cum Laude from Mentor High School in 1983.

He is the son of Paul and Jean Radomsky, 7945 Oakridge Drive.

-30-
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: SUMMER PROGRAMS FOR HIGH SCHOOL SENIORS

START DATE: IMMEDIATELY

KILL DATE: MAY 1, 1987

CONTACT: ADMISSIONS OFFICE, 877-1511, EXT. 213

20 SECONDS

ROSE-HULMAN INSTITUTE OF TECHNOLOGY IS OFFERING PROGRAMS THIS SUMMER FOR GUYS WHO WILL BE SENIORS IN HIGH SCHOOL AND WHO THINK THAT COMPUTERS OR ENGINEERING ARE IN THEIR FUTURE. APPLICATIONS ARE NOW BEING ACCEPTED FOR RETUPMOC (pronounced: ree-tup-muck) AND OPERATION CATAPULT. UNUSUAL NAMES FOR PROGRAMS IN ADVANCED COMPUTER PROGRAMMING, SCIENCE AND ENGINEERING. PROGRAMS BEGIN JUNE 14. CONTACT THE ROSE-HULMAN ADMISSIONS OFFICE FOR FURTHER INFORMATION.

10 SECONDS

ROSE-HULMAN INSTITUTE OF TECHNOLOGY IS ACCEPTING APPLICATIONS FROM GUYS WHO WILL BE HIGH SCHOOL SENIORS AND WHO WANT TO LOOK INTO THE FUTURE. IF YOU'RE INTERESTED IN COMPUTER PROGRAMMING, ENGINEERING OR SCIENCE, THEN CONTACT THE OFFICE OF ADMISSIONS AT ROSE-HULMAN. ASK ABOUT THE COLLEGE'S SUMMER PROGRAMS.
SPORTS INFORMATION

SPRING SPORTS ACTIVITIES AT ROSE-HULMAN THIS WEEK
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THIS WEEK'S SCHEDULE:
* TUE., APRIL 7 -- BASEBALL TEAM HOSTS ST. JOSEPH'S COLLEGE, DOUBLE-HEADER, 1 P.M., ART NEHF FIELD
* WED., APRIL 8 -- TENNIS TEAM AT FRANKLIN, 3:30 P.M.
* THU., APRIL 9 -- GOLF TEAM HOSTS MILLIKIN AND ILLINOIS WESLEYAN, HULMAN LINKS GOLF COURSE
* FRI., APRIL 10 -- TENNIS TEAM HOSTS IUPUI, 3:30 P.M.
* SAT., APRIL 11 -- TRACK TEAM AT WABASH COLLEGE RELAYS, NOON
* SUN., APRIL 12 -- BASEBALL TEAM HOSTS IUPUI, DOUBLE-HEADER, 1 P.M., ART NEHF FIELD

UPCOMING EVENTS:
* MON., APRIL 13 -- GOLF TEAM AT CENTRAL INDIANA SMALL COLLEGE TOURNAMENT, FRANKLIN UNIV.
* TUE., APRIL 14 -- BASEBALL TEAM AT DEPAUW, DOUBLE-HEADER, 1 P.M.
* TUE., APRIL 14 -- TENNIS TEAM HOSTS WABASH, 4:30 P.M.
* THU., APRIL 16 -- GOLF TEAM HOSTS FRANKLIN AND WABASH, HULMAN LINKS GOLF COURSE
* FRI., APRIL 17 -- TRACK TEAM AT EASTERN ILLINOIS INVITATIONAL, NOON
* FRI., APRIL 17 -- BASEBALL TEAM AT CALVIN COLLEGE, DOUBLE-HEADER, 1 P.M.
* SAT., APRIL 18 -- GOLF TEAM AT WABASH INVITATIONAL
* SAT., APRIL 18 -- TRACK TEAM AT EASTERN ILLINOIS INVITATIONAL, NOON
* SAT., APRIL 18 -- BASEBALL TEAM AT HOPE COLLEGE, DOUBLE-HEADER, 1 P.M.

(more)
ENGINEER BASEBALL TEAM TO BEGIN FOUR-GAME HOMESTAND
***************************************************
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology baseball team, 11-7 on the season, is scheduled to play a pair of double-headers this week at Art Nehf Field.

The Engineers host St. Joseph's College today (April 7) and Indiana University-Purdue University at Indianapolis on Sunday (April 12) with 1 p.m. starting times for each meeting.

Last week Rose-Hulman lost to Indiana State University in the annual Mayor's Cup game by a 24-3 score. The Engineers were scheduled to host Marian College for a double-header on Saturday, but cold weather forced cancellation of that meeting.

"St. Joseph's will be a tough challenge for us," said Head Coach Jim Rendel. "They're a pretty good (NCAA) Division II team and we'll have to play well to have a chance at beating them."

Top hitters for Rose-Hulman are: third baseman Grant Sharp, senior from Cincinnati, Ohio, .450 batting average; outfielder Robert Fuller, junior from Mattoon, Ill., .367 batting average, two doubles; first baseman Ben Hill, freshman from Clinton, .333 batting average; outfielder Gary Workman, sophomore from New Whiteland, .333 batting average; second baseman Kyle Thompson, freshman from Boonville, .314 batting average, three doubles and a team-leading 12 RBI; and outfielder Steve O'Keefe, junior from Woodburn, .300 batting average.

Joe Witulski, junior right-hander from South Bend, leads the Engineer pitching staff with a 3-0 record and 2.13 earned run average. Todd Hoevener, junior right-hander from Elizabethtown, follows with a 2-1 record.

TRACK TEAM TO PARTICIPATE AT WABASH RELAYS ON SATURDAY
***************************************************
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology track team travels to Wabash College on Saturday (April 11) for the Wabash Relays beginning at noon.

Rose-Hulman will be without the services of its nine seniors who will be taking an engineering examination on campus Saturday.

"Not having our seniors obviously will hurt us because we won't be at full strength," said Head Coach Bill Welch. "But we'll just go out and try to do the best we can do."

One event in which the Engineers should be competitive is the sprint medley relay, according to Welch. That relay team consists of: Chris Cook, junior from Elkhart, who will run the 200-meter leg; Rick Kochen, freshman from Huntington, who will run a 400-meter leg; Greg Hiatt, junior from Indianapolis, a 400-meter leg; and Bob Jacobs, freshman from Holly, Mich., who will run the 800-meter leg.

Rose-Hulman was scheduled to host Wabash College last Saturday (April 4), but that meet was postponed due to cold weather. The Engineers and Little Giants have rescheduled their meet for April 14 at Phil Brown Field beginning at 4:30 p.m.

(more)
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology golf team hosts Millikin University and Illinois Wesleyan on Thursday (April 9) for a triangular meet at Hulman Links Golf Course.

The Engineers travel to Franklin College next Monday (April 13) for the Indiana Central Small College Tournament. Last Saturday (April 4), the Engineers finished in a tie with Wabash College for fourth place at the four-team Turkey Run Classic Golf Tournament. Franklin College won the tourney and DePauw finished second.

Jim Getter, sophomore from Viroqua, Wisc., led all Rose-Hulman golfers with a nine-hole score of 42.

ROSE-HULMAN NETTERS TO PLAY TWICE THIS WEEK

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team travels to Franklin College on Wednesday (April 8), then returns home Friday (April 10) for a match with Indiana University-Purdue University at Indianapolis. Both contests are scheduled to begin at 3:30 p.m.

Last Saturday (April 4), the Engineers finished seventh at the 12-team Kerry Seward Memorial Tournament at Wabash College.

Rose-Hulman's No. 2 doubles team of John Puckett, junior from Anderson, and Ron Wingo, freshman from Danville, Ill., finished second at the tournament after having defeated teams from Vincennes University and IUPUI.

DePauw University won the tourney, followed by Vincennes, Butler University, Wabash, IUPUI, Valparaiso, Rose-Hulman, University of Indianapolis, University of Southern Indiana, Tri-State, Indiana University-Purdue University at Ft. Wayne and St. Joseph's College.

-30-
TERRE HAUTE, Ind.---"Is There Life After Opportunity?" will be the topic of the 1987 Oscar C. Schmidt Memorial Lecture on free enterprise to be delivered by Henry L. Richter, president of the Richter Group, April 15 at Rose-Hulman Institute of Technology.

Richter will also receive the Chauncey Rose Medal which is presented each year to the Schmidt lecturer.

The public is invited to the free address which will begin at 4:30 p.m. in the GM Room of Moench Hall. The purpose of the annual presentation is to provide Rose students and the public with a better understanding of industry's place in American life.

Richter, a former engineer for the Jet Propulsion Laboratory and the Xerox Corp., is the president of a consulting firm involved in the public safety communications field. He is engaged in the design of microwave, computer-aided dispatch and mobile radio systems.

He has also been chief, space instruments section of the Space Science Division for the Jet Propulsion Laboratory and was a vice president and technical director for Electro-Optical Systems, Inc., a subsidiary of Xerox Corp.

(more)
He is a past member of the Federal Communications Commission's National Industry Advisory Committee and the National Bureau of Standards.

During his speech, Richter will discuss the recognition of opportunity in an increasingly technical society.

According to Richter, there is a personal responsibility that goes with the acceptance of opportunity. He says the responsibility is to one's self, nation and society, and to the advancement of our profession.

The Schmidt Lecture was established in 1953 by the Cincinnati Butcher's Supply Company in memory of Oscar C. Schmidt, a pioneer manufacturer of machinery for the packing industry.
PUBLIC SERVICE ANNOUNCEMENT

SUBJECT: ROSE-HULMAN DRAMA CLUB SPRING MUSICAL/COMEDY

START DATE: IMMEDIATELY

KILL DATE: MAY 2, 8 P.M.

CONTACT: JOE HARGIS

TIME: 20 SECONDS

THE ROSE-HULMAN INSTITUTE OF TECHNOLOGY DRAMA CLUB WILL CLOSE OUT ITS 23RD SEASON BY PERFORMING THE MUSICAL/COMEDY "A FUNNY THING HAPPENED ON THE WAY TO THE FORUM" ON APRIL 24 AND 25 AND MAY 1 AND 2 AT 8 P.M. IN MOENCH (pronounced munch) HALL AUDITORIUM. TICKETS ARE $3 PER PERSON AND CAN BE RESERVED BY CALLING ROSE-HULMAN AT (812) 877-1511, EXT. 346.

TIME: 10 SECONDS

THE ROSE-HULMAN INSTITUTE OF TECHNOLOGY DRAMA CLUB PERFORMS THE MUSICAL/COMEDY "A FUNNY THING HAPPENED ON THE WAY TO THE FORUM" APRIL 24 AND 25 AND MAY 1 AND 2 IN MOENCH (pronounced munch) HALL AUDITORIUM. FOR INFORMATION, CALL 877-1511, EXT. 346.
ROSE-HULMAN DRAMA CLUB
TO PRESENT MUSICAL/COMEDY

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology Drama Club will close out its 23rd season by performing the musical/comedy "A Funny Thing Happened on the Way to the Forum," on April 24 and 25 and May 1 and 2 in Moench Hall Auditorium on the college's campus.

Music and lyrics for "A Funny Thing Happened on the Way to the Forum," were written by Stephen Sondheim. The book was co-authored by Larry Gelbart and Burt Shevelove.

The show "is a slapstick, vaudevillian-style musical/comedy about a roman slave who wants to be free and will do anything and con anyone to get that way," said Director Penny Koob. "It's continuous action about a man's journey to freedom and all the funny things that happen on the way."

The show will feature primarily students from Rose-Hulman and Indiana State University who will perform to songs that include "Comedy Tonight," "Love I Hear," "Pretty Little Picture," and "Impossible."
Rose-Hulman students performing in the show are: Norm Dillinger, senior chemical engineering major, as Senex, a wealthy old man; Darrel Huff, senior chemical engineering major, as Hero, son of Senex and his wife, Domina; Mark Leonard, junior computer science major, as Hysterium, slave to Senex and Domina; Dan Vujovic, senior computer science major, as Pseudolus, slave to Hero and the show's lead character; Collin Bremner, freshman electrical engineering major, as Erronius, an old man.

Also Mike Dobranski, junior electrical engineering major, as Miles Gloriosus, a warrior; Jack Gulick, senior mathematics major, as Lycus, a buyer and seller of courtesans; Aaron Leong, sophomore electrical engineering major, as a Protean, one who plays several different characters; Dervis Scheib, freshman electrical engineering major, as a Protean; and Brad Schneider, freshman mechanical engineering major, as a Protean.

Indiana State students featured in the show are: Shelly Shutt, junior communication major, as Domina; Anne Geiger, junior communication major, as Philia, a virgin; and Lisa Davis, junior communication major, as Gymnasia, a courtesan/dancer. Candace Baldwin, a freshman at Honey Creek Junior High School, also will perform in the show.

Music Director for the show is Becky Hardesty, a teacher at Terre Haute North High School.

(more)
Also assisting Koob with the show are Rose-Hulman students: Ken Whitehead, freshman electrical engineering major, as assistant director; Jeff Pahl, freshman electrical engineering major, Chuck Copeland, freshman chemical engineering major, and Howard V. Francis, senior computer science/electrical engineering major, as technical directors.

Rose-Hulman junior Cary Weldy, a chemical engineering major, will perform at the Wersi electronic digital sound system, a high-tech system that produces a variety of sounds with the assistance of a computerized keyboard.

"The sound of the Wersi system is really unique," Koob said. "It's comparable to something like an orchestra. By using the Wersi system, I believe the show will reach the musical community as well as the theatre community."

All performances will begin at 8 p.m. except on Saturday, April 25, when an additional show will be presented at 3 p.m. in conjunction with Parents' Weekend at Rose-Hulman. Tickets are $3 per person and can be reserved by calling Rose-Hulman at (812) 877-1511, ext. 346.

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CONTACT: Joe Hargis FOR RELEASE: Upon receipt April 7, 1987

HAS ROLE IN ROSE-HULMAN PRODUCTION OF "A FUNNY THING HAPPENED ON THE WAY TO THE FORUM"

TERRE HAUTE, Ind. -- (STUDENT FROM YOUR AREA: SEE ATTACHED LIST) has a key role in the Rose-Hulman Institute of Technology Drama Club's production of the musical/comedy "A Funny Thing Happened on the Way to the Forum."

The show will be presented on April 24 and 25 and May 1 and 2 in Moench Hall Auditorium on the Rose-Hulman campus. All performances begin at 8 p.m. except on Saturday, April 25 when an additional show will be presented at 3 p.m. in conjunction with Parents' Weekend.

Music and lyrics for "A Funny Thing Happened on the Way to the Forum," were written by Stephen Sondheim. The book by the same name was co-authored by Larry Gelbart and Burt Shevelove.

The show will feature musical numbers that include "Comedy Tonight," "Love I Hear," "Pretty Little Picture," and "Impossible."
PLAY LIST

(NAME, HIGH SCHOOL, PARENTS NAMES, ADDRESS, CLASS, MAJOR, PART/PRODUCTION ROLE IN PLAY)

INDIANA

- Danville
  Darrel Huff, 1983 graduate of Danville High School, son of Larry and Dianna Huff, R.R. 6, Box 197, senior chemical engineering major, "Hero"

- Elkhart
  Cary Weldy, 1984 graduate of Northwood High School, son of Ross and Linda Weldy, 61497 C.R. 3 South, junior chemical engineering major, will play the Wersi organ, a high-tech system which utilizes a computerized keyboard

- Kokomo
  Ken Whitehead, 1986 graduate of Maconaquah High School, son of Albert Whitehead, 3717 S. Reed, freshman electrical engineering major, "Assistant Director"

- Merrillville
  Daniel Vujovic, 1983 graduate of Merrillville High School, son of Radojko Vujovic, 6916 Connecticut St., senior mathematics major, "Pseudolus," a slave and the show's lead character

ILLINOIS

- Gridley
  Mark Leonard, 1984 graduate of Gridley High School, son of C. Eugene and Martha Leonard, 109 Center, junior computer science major, "Hsyterium," a slave

- Homewood
  Howard Francis, 1983 graduate of Homewood-Flossmoor High School, son of H. Paul and Ann V. Francis, 18758 Queens Road, senior electrical engineering major, member of the technical crew

HAWAII

- Honolulu
  Aaron Leong, 1985 graduate of Damien Memorial High School, son of Francis and Hannah Leong, 3056 Numana Rd., sophomore electrical engineering major, "Protean," a character who plays several different parts

OHIO

- Cincinnati
  Mike Dobranski, 1984 graduate of Oak Hills High School, son of Jeffrey M. and Mary P. Dobranski, 6184 Charity Dr., junior electrical engineering major, "Miles Gloriosus," a warrior

(more)
PLAY LIST -- ADD ONE

PENNSYLVANIA
-York Haven

Dervis Scheib, 1986 graduate of Northeastern High School, son of Dervis E. and Nancy Scheib, 975 York Haven Road, freshman electrical engineering major, "Protean," a character who plays several different parts.

WISCONSIN
-Arcadia

Jeff Pahl, 1986 graduate of Arcadia High School, son of Mr. and Mrs. Gary Pahl, 567 Meadow View Lane, freshman electrical engineering major, member of the technical crew.

WYOMING
-Gillette

Norm Dillinger, 1983 graduate of Campbell County High School, son of Edwin N. and Shirley A. Dillinger, Box 355, senior chemical engineering major, "Senex," a wealthy old man.

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TERRE HAUTE, Ind.—John Titsworth, a Rose-Hulman Institute of Technology graduate and former executive with Xerox and Control Data corporations, will tell students how to be an effective manager and successful engineer in today's corporate world when he visits the local campus as executive-in-residence April 14-16.

Titsworth, a native of Hutsonville, Ill. and a 1949 Rose-Hulman graduate, currently heads Titsworth Associates, a company he founded in 1983 prior to his retirement as executive vice president and a member of the board of directors of the Xerox Corp.

During his visit to Rose-Hulman, he will speak to classes about the challenges of being a corporate leader, how to take advantage of opportunities and the role of venture capital investment groups in the creation of new companies.

At the beginning of his career, Titsworth contributed to the development of Lear Jets Industries, where he was employed for 15 years as an engineer and manager. Titsworth founded Jets Electronics and Technology, a subsidiary which manufactured all instruments for Lear Jet Industries.

(more)
In 1968, he joined Control Data Corporation and soon was promoted to executive vice president with duties as chief operating officer of seven of the corporation's divisions including its Portugal operations.

Ten years later, he was recruited by Xerox to be group vice president with responsibility for all non-copier businesses. He retired from the company in 1984.

Rose-Hulman recognized Titsworth for his achievements when the college presented him with an honorary Doctor of Engineering degree in 1980. He has been a member of the college's Board of Managers since 1981.

The executive-in-residence program was established in 1980 to provide students with the opportunity to interact with engineering and business leaders. Previous participants have included corporate representatives from Rockwell International, General Motors, Union Electric and Bethlehem Steel.
CONTACT: Joe Hargis

FOR RELEASE: Upon receipt
April 10, 1987

BASE HIT SWING -- Rose-Hulman Institute of Technology senior Aaron Murray, a 1983 graduate of Robinson High School, connects for a base hit during a recent game with St. Joseph's College. Murray is the Engineers' starting shortstop and one of the team's leading hitters this season with a .301 batting average that includes two triples, a home run and a double. In addition to his offensive production, he has pitched three innings and struck out five batters for the 11-9 Engineers. Rose-Hulman, located in Terre Haute, Ind., is a private, fully accredited science and engineering college with an enrollment of 1,300 students.

Murray is a mechanical engineering major and the son of Ron and Barbara Murray of Robinson, Ill.

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SPORTS INFORMATION

CONTACT: Joe Hargis

FOR RELEASE: Upon receipt
April 13, 1987

SPRING SPORTS ACTIVITIES AT ROSE-HULMAN THIS WEEK

THIS WEEK’S SCHEDULE:

* MON., APRIL 13 - GOLF TEAM AT CENTRAL INDIANA SMALL COLLEGE TOURNAMENT, FRANKLIN UNIV.

* TUE., APRIL 14 - BASEBALL TEAM AT DEPAUW, DOUBLE-HEADER, 1 P.M.

* TUE., APRIL 14 - TENNIS TEAM HOSTS WABASH, 4:30 P.M.

* TUE., APRIL 14 - TRACK TEAM HOSTS WABASH, 4:30 P.M.

* THU., APRIL 16 - GOLF TEAM HOSTS FRANKLIN AND WABASH, HULMAN LINKS GOLF COURSE

* FRI., APRIL 17 - BASEBALL TEAM AT CALVIN COLLEGE, DOUBLE-HEADER, 1 P.M.

* SAT., APRIL 18 - GOLF TEAM AT WABASH INVITATIONAL

* SAT., APRIL 18 - TRACK TEAM AT INDIANA INTER-COLLEGIATES, IUPUI

* SAT., APRIL 18 - BASEBALL TEAM AT HOPE COLLEGE, DOUBLE-HEADER, 1 P.M.

UPCOMING EVENTS:

* TUE., APRIL 21 - BASEBALL TEAM HOSTS DEPAUW, DOUBLE-HEADER, 1 P.M., ART NEHF FIELD

* TUE., APRIL 21 - TENNIS TEAM AT VINCENNES UNIVERSITY, 3:30 P.M.

* SAT., APRIL 25 - TENNIS TEAM HOSTS UNIVERSITY OF INDIANAPOLIS, 9:30 A.M.

* SAT., APRIL 25 - TRACK TEAM AT INDIANA LITTLE STATE OR PURDUE INVITATIONAL, NOON

* SAT., APRIL 25 - BASEBALL TEAM HOSTS WABASH COLLEGE, DOUBLE-HEADER, 1 P.M., ART NEHF FIELD

* SUN., APRIL 26 - GOLF TEAM AT WITTENBERG UNIVERSITY INVITATIONAL, 9 A.M.

(more)
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology golf team finished second at a triangular meet last Thursday (April 9) with Illinois Wesleyan and nationally ranked Millikin University at Hulman Links Golf Course. The Engineers finished with a total score of 231, just six strokes more than Millikin, ranked 5th among NCAA Division III teams. Illinois Wesleyan had a total score of 250.

"I thought we played very well against a couple of outstanding golf teams," said Head Coach Scott Duncan. "It was a good day for low scores, and an especially good day for Steve Mendoza."

Mendoza, junior mechanical engineering major from Portage, fired an 18-hole score of 76 to take medalist honors. Other Rose-Hulman scores were: Rick Kennedy, sophomore mechanical engineering major from Terre Haute, 84; Jim Getter, sophomore electrical engineering major from Viroqua, Wisc., 85; Richard Lesniak, freshman electrical engineering major from Merrillville, 86; and Dennis Aldridge, senior electrical engineering major from Beech Grove, 88.

The Engineers travel to Franklin College today (April 13) for the Central Indiana Small College Tournament, then host Franklin and Wabash on Thursday (April 16) at Hulman Links. Rose-Hulman closes out the weekend at the Wabash Invitational on Saturday (April 18).

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team won its second match of the season at Franklin College last Wednesday (April 8) by a 6-3 score. The Engineers defeated the Grizzlies for the second time this season by winning No. 1, 2, 3 and 6 singles matches and No. 1 and 2 doubles matches.

Singles winners were John Puckett, junior chemical engineering major from Anderson, at No. 1; Ron Wingo, freshman civil engineering major from Danville, Ill., at No. 2; Chad Beesley, senior mathematics major from Thorntown, at No. 3; and Jay Eiler, sophomore computer science major from Indianapolis, at No. 6.

Doubles winners were: Puckett-Wingo at No. 1 and Beesley and Mark Crowder, junior chemical engineering major from Terre Haute, at No. 2.

Rose-Hulman's home meet with Indiana University-Purdue University-Indianapolis last Friday (April 10) had to be cancelled midway through the match because of rain.
ROSE-HULMAN SPRING SPORTS -- ADD ONE

ENGINEER GOLFERS FINISH SECOND IN HOME TRIANGULAR
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ROSE-HULMAN TENNIS TEAM IMPROVES RECORD
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Rose-Hulman's home meet with Indiana University-Purdue University-Indianapolis last Friday (April 10) had to be cancelled midway through the match because of rain.

(more)
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology track team will host Wabash College Tuesday (April 14) for its final home meet of the season. Competition begins at noon at Phil Brown Field.

Seniors competing in their final home meet are: John Hanger, electrical engineering major from Missoula, Mt.; Miles Fletcher, electrical engineering major from Chesterton; Kurt Kelso, mechanical engineering major from Indianapolis; Roger Hruskovich, chemical engineering major from Gary; Craig Dargon, chemical engineering major from St. Louis, Mo.; William Sears, physics major from New Whiteland; Roger Bartley, electrical engineering major from Jasper; Jerry Lyons, chemical engineering major from Seelyville; Scott Orr, computer science major from Indianapolis; and student manager Chris Goss, mechanical engineering major from Bloomington.

On Saturday (April 18), several of the Engineers are expected to compete at the Indiana Intercollegiates at IUPUI. In order to compete at the Intercollegiates, individuals must satisfy certain standards set forth by meet officials. Rose-Hulman Head Coach Bill Welch said he will nominate several Engineers but will not know how many will qualify to compete until Thursday.

"I really expect we'll have several qualify," he said. "We've got quite a few who meet standards and others who are very close."

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology baseball team travels to DePauw University Tuesday (April 14) for a double-header scheduled to begin at 1 p.m.

The Engineers lost a pair of double-headers last week to St. Joseph's on April 7 (9-6, 9-5) and Indiana University-Purdue University-Indianapolis on April 12 (5-3, 7-1).

Rose-Hulman, 11-11, travels to Michigan this weekend for double-headers against Calvin College on Friday (April 17) and Hope College on Saturday (April 18).

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THE ROSE SHOW, AN OPPORTUNITY TO HAVE FUN WHILE LEARNING ABOUT SCIENCE AND TECHNOLOGY, IS SCHEDULED SATURDAY, APRIL 25TH ON THE CAMPUS OF ROSE-HULMAN INSTITUTE OF TECHNOLOGY. SEE LIGHT BEND OR WATCH ELECTRICITY BEING MADE FROM WATER. HOURS FOR THE ROSE SHOW ARE 11 A.M. UNTIL 4 P.M.

-30-
TERRE HAUTE, Ind.--Two grants from the Lilly Endowment, Inc. of Indianapolis will make it possible for faculty at Rose-Hulman Institute of Technology to create new undergraduate courses about ethics in human communication and value engineering.

The $5,000 grants were received by Patricia Carlson, professor of American literature, and William Ovens, associate professor of mechanical engineering.

Carlson is developing a communication course that will examine issues ranging from dehumanizing communication to the language of oppression and commercial doublespeak. Students will also learn how to develop a personal ethical code for responsible communication, Carlson says.

The class will be offered through the Division of Humanities, Social and Life Sciences beginning in September.

A new course in value engineering will help focus students' attention on a proven method of assessing engineering designs to assure that they give the best value to the customer, according to Ovens. The class will teach students to concentrate on the economic and manufacturing aspects of the design of new products early in the design cycle.
ROSE RECEIVES $27,140 FROM GENERAL ELECTRIC FOUNDATION

TERRE HAUTE, Ind.—Rose-Hulman Institute of Technology has received $27,140 from the General Electric Foundation through a direct grant and a program in which the foundation matches the donations of its employees.

A $22,140 donation has been presented to Rose-Hulman by GE as part of the foundation's national gift-matching program. The foundation also made a direct grant to Rose-Hulman in the amount of $5,000.

Indiana University and Wabash College finished second and third respectively in the competition. The contest was open to all Indiana colleges and universities.

The annual competition is sponsored by the Indiana Section of the Mathematical Association of America and Wabash College.
ROSE-MATH TEAM STATE COLLEGE CHAMPS

TERRE HAUTE, Ind. -- For the ninth consecutive year a team of Rose-Hulman Institute of Technology students has won the Indiana College Mathematics Competition conducted recently at Wabash College.

Senior Dan Johnson, Merrillville; and sophomores Daniel Kneip, Indianapolis; and Brent Young, Audubon, Iowa; were members of the winning squad.

Indiana University and Wabash College finished second and third respectively in the competition. The contest was open to all Indiana colleges and universities.

The annual competition is sponsored by the Indiana Section of the Mathematical Association of America and Wabash College.

-30-
ASIAN STUDIES EXPERT TO SPEAK AT ROSE-HULMAN

TERRE HAUITE, Ind. -- Robert Smith, Goldwin Smith Professor of Anthropology at Cornell University and president of the Association for Asian Studies, will be at Rose-Hulman Institute of Technology on Wednesday and Thursday, April 22 and 23, to present public lectures about Japanese society.

Smith's lecture on Wednesday, entitled "Japanese Women: Then and Now," will be delivered in the GM Room of Moench Hall at 7 p.m. On Thursday at 9 a.m. in Olin 201, he will address the Japanese concept of death.

Smith began his study of Japan in the Army Specialized Training Corps during World War II, and since 1946 has returned to Japan many times for research and teaching. He is nationally known for his books and articles on Japan that include "Kurusu: the Price of Progress in a Japanese Village," "Japanese Society: Tradition, Self, and the Social Order," and "The Women of Suye Mura.

While on campus, Smith will be visiting Rose-Hulman faculty regarding continued development of the college's East Asian Studies program.
TERRE HAUTE, Ind.--Three graduates of Rose-Hulman Institute of Technology will receive the college's 1987 Distinguished Young Alumni Award during a Parents' Day honors banquet April 25.

Chosen for the award are Edward McDevitt, a native of Effingham, Ill., and vice-president of operations, Tellabs, Inc., Lisle, Ill.; William Gurley, vice-president, Stanadyne, Inc., Farmington, Conn.; and John Malmquist, executive vice-president, Madsen Construction Co., Madison, Wis.

McDevitt, a 1968 electrical engineering graduate of Rose-Hulman, is responsible for all manufacturing, production and technical operations at Tellab's corporate headquarters, and at the company's subsidiary manufacturing sites in Texas and Puerto Rico. Tellabs is a leading supplier of voice and data communication equipment.

During his career at Tellabs, he has directed the development of telecommunication products ranging from early warning radar systems that detect aircraft to special signaling systems used by telephone companies and common carriers to improve the quality of voice transmissions.
Gurley is in charge of marketing and planning for the automotive products group of Stanadyne, Inc. The group consists of three divisions that manufacture and sell diesel fuel equipment, hydraulic valve lifters, PCV valves and powder metal components to markets worldwide. Annual sales total $200 million.

A 1970 mechanical engineering graduate of Rose-Hulman, Gurley manages all marketing services activities including pricing, advertising, order entry, forecasting and public relations. In addition, he is responsible for short and long-range planning; remanufacturing operations and for a facility in France that provides support to European and Middle East markets.

Malmquist has had extensive international experience as a cost and project engineer, and is now involved in corporate management and engineering with Madsen Construction. He is responsible for various corporate management functions including profitability goals and strategies, and marketing.

Prior to his current job, Malmquist worked on construction projects in New Guinea and Indonesia while employed by Bechtel Inc. He was involved with projects that created multimillion dollar turn-key plants complete with towns, roads and sanitation facilities.

Malmquist received a bachelor's degree in civil engineering from Rose-Hulman in 1969.

The three will join 38 Rose-Hulman students and five high school teachers who will be honored during the Parents' Day banquet at 6 p.m. in the Hulman Union Building.

Featured speaker at the awards program will be Clyde Ingle, Indiana Commissioner for Higher Education.
MCDEVITT HONORED BY ROSE-HULMAN

TERRE HAUTE, Ind.--Edward McDevitt, a native of Effingham and a 1963 graduate of Effingham High School, will receive the Distinguished Young Alumni Award from Rose-Hulman Institute of Technology April 25.

McDevitt is vice president of operations for Tellabs, Inc. in Lisle, Ill. He is responsible for all manufacturing, production and technical operations at Tellab's corporate headquarters, and at the company's subsidiary manufacturing sites in Texas and Puerto Rico. Tellabs is a leading supplier of voice and data communications equipment.

McDevitt graduated from Rose-Hulman in 1969 with a degree in electrical engineering.

The award will be presented during the college's annual Parents' Day honors program.

-30-
TERRE HAUTE, Ind.--A $4,000 grant from the GTE Foundation will make possible a series of public lectures at Rose-Hulman Institute of Technology about the impact of technology in our homes.

Topics to be discussed during the lecture series are changes in household technology, toys and technology, surveillance and the home, and the information revolution around the house.

Four lectures are scheduled in March and April of next year, according to Patricia Carlson, program director and Rose-Hulman Professor of American literature.
59TH ANNUAL ROSE SHOW
SET FOR APRIL 25

TERRE HAUTE, Ind.—The magic of science and engineering, including demonstrations of how light bends and a bridge busting contest, will be featured April 25 during the 59th annual Rose Show at Rose-Hulman Institute of Technology.

The show, designed to educate as well as entertain, begins at 11 a.m. and concludes at 4 p.m. as part of the college's annual Parents' Weekend April 24-26.

On the schedule of demonstrations by students are an exhibit of lasers and holograms, electricity made from water, a magic show at 11 a.m. and 2 p.m. by the Department of Chemistry, wind tunnel and gas turbine testing will be conducted by mechanical engineering students and cartoons made by computers will be produced in the Waters Computing Centers.

Among the most popular events each year is the annual bridge busting contest sponsored by the Department of Civil Engineering. The contest features student-designed bridges constructed of only balsa wood and glue that withstand up to 600 pounds of stress.

The contest is scheduled at 1 p.m. in the GM Room.

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The public will also have an opportunity to tour the areas of Moench Hall that are currently undergoing renovation as part of a $14 million improvement project.

In addition to demonstrations by various academic departments, many student groups including the campus radio station, WMHD-FM, the Rose-Hulman Racing Association and the rifle and karate clubs will conduct displays or demonstrations.

Parents' Weekend also includes three performances by the Rose-Hulman Drama Club. The group will present "A Funny Thing Happened on the Way to the Forum" in the Moench Hall Auditorium April 24 at 8 p.m. and April 25 at 3 and 8 p.m.

More than 30 students, five high school teachers and three Rose-Hulman alumni will be honored during an awards banquet at 6 p.m. April 25 in the Hulman Union Building.

The weekend's activities will conclude the next day with the annual Greek games competition. Fraternities will compete beginning at 9 a.m. for awards in songfest, cart races and 15-man Pyramid contests. Competition will end at approximately 3:50 p.m. with a tug-of-war match.
SPRING SPORTS ACTIVITIES AT ROSE-HULMAN THIS WEEK
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THIS WEEK'S SCHEDULE:

* SAT., APRIL 25 - TENNIS TEAM HOSTS UNIVERSITY OF INDIANAPOLIS, 9:30 A.M.
* SAT., APRIL 25 - TRACK TEAM AT INDIANA LITTLE STATE OR PURDUE INVITATIONAL, NOON
* SAT., APRIL 25 - BASEBALL TEAM HOSTS WABASH COLLEGE, DOUBLE-HEADER, 1 P.M., ART NEHF FIELD
* SUN., APRIL 26 - GOLF TEAM AT WITTENBERG UNIVERSITY INVITATIONAL, 9 A.M.

UPCOMING EVENTS:

* SAT., APRIL 25 - TENNIS TEAM HOSTS UNIVERSITY OF INDIANAPOLIS, 9:30 A.M.
* SAT., APRIL 25 - TRACK TEAM AT INDIANA LITTLE STATE, UNIVERSITY OF INDIANAPOLIS, NOON
* SAT., APRIL 25 - BASEBALL TEAMS HOSTS WABASH COLLEGE FOR A DOUBLE-HEADER AT ART NEHF FIELD, 1 P.M.
* SUN., APRIL 26 - GOLF TEAM AT WITTENBERG UNIVERSITY INVITATIONAL
* MON., APRIL 27 - GOLF TEAM AT WITTENBERG UNIVERSITY INVITATIONAL

ATHLETE OF THE WEEK (April 13-19) -- John Hanger, senior electrical engineering major from Missoula, Mont., captured the javelin title at the Indiana Intercollegiate track and field championships in Indianapolis last Saturday (April 18). For Hanger, it was his third Indiana Collegiate Javelin championship. His winning throw was 196-8.

(more)
GOLF TEAM TO PLAY AT WITTENBERG INVITATIONAL THIS WEEKEND
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TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology golf team will travel to Springfield, Ohio, on Saturday and Sunday (April 26-27) to participate at the Wittenberg University Invitational.

The Engineers will compete at the 54-hole event against some of the NCAA Division III's top teams, said Head Coach Scott Duncan. "We'll see a lot of very good golf teams," Duncan said. "This is always a well-organized tourney and our students really enjoy playing there."

Teams scheduled to compete at Wittenberg include Franklin, DePauw, Wabash, Wittenberg, and Muskingum College. Rose-Hulman finished in second-place at a triangular meet against Franklin and Wabash last Thursday (April 16) at Hulman Links Golf Course. Franklin won the event with an 18-hole team score of 389. Rose-Hulman finished with a team total of 418.

Steve Mendoza, junior mechanical engineering major from Portage, led the Engineer golfers with a 38-39-77.

Last Saturday (April 18), Rose-Hulman placed third at the Wabash College Invitational. Mendoza had a 77 to lead the Engineers.

ENGINEER BASEBALL TEAM TO PLAY WABASH ON SATURDAY
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TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology baseball team is scheduled to host Wabash College for a double-header on Saturday (April 25) at Art Nehf Field beginning at 1 p.m.

Heading into this week's action, Wabash had won seven consecutive games and stood at 14-12 on the season. Rose-Hulman (12-14 prior to a double-header on Tuesday, April 21, against DePauw) won one of four games last weekend in Michigan. The Engineers split a double-header with Calvin College last Friday (April 17), losing the first contest, 5-4, and winning the second, 6-4. Coach Jim Rendel's squad was defeated twice by Hope College the following day (April 18) by scores of 2-0 and 10-5.

TENNIS TEAM TO HOST UNIVERSITY OF INDIANAPOLIS ON SATURDAY
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TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team is scheduled to host the University of Indianapolis on Saturday (April 25) beginning at 9:30 a.m.

Leading the Engineers this season in singles play is freshman Ron Wingo, civil engineering major from Danville, Ill. He has an overall record of 8-4: 3-3 at No. 1; 2-0 at No. 2; and 3-1 at No. 3.

Wingo has combined with junior John Puckett, chemical engineering major from Anderson, to record a 7-4 record at No. 1 doubles.

(more)
TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology track and field team travels to the University of Indianapolis on Saturday (April 25) to compete at the Indiana Little State Championships.

The javelin throw is the first event and is scheduled to begin at 9 a.m.

Anderson won the team title last year with Wabash finishing second. Rose-Hulman was fifth.

"I look for Anderson to again be the favorite," Head Coach Bill Welch said. "It should be a good meet and a good race for the No. 1 spot."

Welch said other teams that should challenge for the top three places include Butler, Wabash, University of Indianapolis, Taylor and Rose-Hulman.

The Engineers defeated Wabash College in a dual meet at home last Tuesday (April 14) by the score of 101-53. Last Saturday (April 18), Rose-Hulman finished in seventh place at the Indiana Intercollegiate championships held at the University of Indianapolis. Senior John Hanger, electrical engineering major from Missoula, Mont., won his third javelin title at the championships with a throw of 196-8.
ROSE-HULMAN'S DAVID URBANEK
EARNED ALL-CONFERENCE BASKETBALL HONORS

TERRE HAUTE, Ind. -- Rose-Hulman Institute of Technology junior David Urbanek has been voted to the all-College Athletic Conference basketball team for the second consecutive season by CAC coaches.

A 6-6, 215-pound center, Urbanek led Rose-Hulman in scoring and rebounding this past season with 17 points and 7.3 rebounds per game. He was named to the NCAA Division III all-South Region second team.

Urbanek has started 71 consecutive games for the Engineers, scored 1,074 points and grabbed 536 rebounds in his career. He ranks ninth on the Rose-Hulman all-time list for rebounds in a season with 205 he recorded in 1985-86.

The Admiral King (Ohio) High School graduate was selected this past season to the GTE Academic All-America second team by members of the College Sports Information Directors of America. He has a 3.3 grade point average (4.0 scale) in mechanical engineering.

Other members of the 1986-87 all-CAC team are Kevin Lavin (Sr., Centre - MVP), Michael Key (Sr., Fisk), Danny Johnson (So., Centre), Tony Brown (Sr., Earlham), James Hallock (Jr., Sewanee), Tim Trantham (Sr., Sewanee), Donnie Spence (Jr., Rhodes), John Tibbetts (So., Rhodes) and Kevin McMillan (So., Rhodes).
PLYMOUTH NATIVE TO WORK THIS SUMMER IN BOLIVIA

TERRE HAUTE, Ind. -- Plymouth native Bryan Eckhoff, a junior at Rose-Hulman Institute of Technology, will work this summer as a consulting engineer for a power company in Bolivia.

The 1984 graduate of Plymouth High School was one of two Rose-Hulman students selected for summer employment at the Bolivian Power Company Ltd., located in La Paz. He was recruited for the job by Bolivian Power Company President David Mitchell, a 1948 graduate of Rose-Hulman.

Eckhoff will have an opportunity to learn about all facets of a small utility - from field work to lab work - while living with a Bolivian engineer and family.

"I felt like this would be a great opportunity for me to learn about the power industry, and about a different culture," Eckhoff said. "I wanted to go for the experience, to see the world a little bit."

Eckhoff will leave the U.S. in late May and return sometime in August. He is an electrical engineering major and the son of Marcy Eckhoff, 909 South Michigan, Plymouth, and Gerald Eckhoff of Buffalo Grove, Ill.
CUMBERLAND NATIVE TO WORK THIS SUMMER IN BOLIVIA

TERRE HAUTE, Ind. -- Cumberland, Md., native Steve Press, a junior at Rose-Hulman Institute of Technology, will work this summer as a consulting engineer for a power company in Bolivia.

The 1984 graduate of Bishop Walsh High School was one of two Rose-Hulman students selected for summer employment at the Bolivian Power Company Ltd., located in La Paz. He was recruited for the job by company President David Mitchell, a 1948 graduate of Rose-Hulman.

Press will have an opportunity to learn about all facets of a small utility - from field work to lab work - while living with a Bolivian engineer and family.

"This is an opportunity for me to find out more about the power industry and about how things operate in a foreign country," Press said. "The difference between the two cultures will probably take some time to get used to, but I'm really excited about going."

(more)
CUMBERLAND NATIVE TO WORK IN BOLIVIA -- ADD ONE

Press will leave the U.S. in late May and return sometime in August. He is an electrical engineering major and the son of David and Carolyn Press, 543 Greene St., Cumberland.

-30-
CHAMBER MUSIC RECITAL
TO BE PERFORMED AT ROSE-HULMAN

TERRE HAUTE, Ind. -- A chamber music recital will be performed at Rose-Hulman Institute of Technology on May 7 at 7:30 p.m. in Moench Hall Auditorium.

Featured musicians will be clarinetist John Spicknall, violinist Sharilyn Spicknall and pianist Karol Sue Reddington. They will perform 20th century music by composers Igor Stravinsky, Jacques Ibert, Claude Debussy, Phyllis Tate and Aram Khatchaturian.

Admission is free and open to the public.

-30-
ROSE-HULMAN HONORS STUDENTS, ALUMNI AND HIGH SCHOOL TEACHERS

TERRE HAUTE, Ind.--Thirty-seven Rose-Hulman Institute of Technology students were honored Saturday night along with three alumni and five high school teachers during the college's annual Parents' Weekend honors program.

Top award recipient was senior Darrel Huff of Danville. Huff was presented with three awards for academic achievement.

Huff was a co-winner, along with Carl Regenauer, a senior from Zion, Ill., of the Carl Wischmeyer Award presented to the student with the highest grade point average at the end of his junior year.

Huff also received the William A. Noyes, Sr. and the John White Awards in Chemistry.

Seven students received two awards each. They were Regenauer, who also won the Clarence C. Knipmeyer Award presented by the Department of Electrical Engineering; and Jack Tubbs, Newburgh, who won the Shelton Hannig and J. Ben Wilson Consulting Engineering Awards as one of the top civil engineering students. Juniors winning more than one award were Randy Bay, LaCrosse, Wis., the Mueller Co. Award presented by the Department of Mechanical Engineering and the Oberlander Club Frances Sanders Memorial Scholarship.

(more)
awarded by the Division of Humanities, Social and Life Sciences;
Darryl Dixon, Cincinnati, Ohio, was honored as the recipient of
the Eli Lilly Clinton Laboratories Award given to the most out-
standing junior chemical engineering student and the Undergraduate
Award in Analytical Chemistry sponsored by the Department of
Chemistry; Jeffrey Gresham, Munster, was the recipient of the
Electrical Engineering Sophomore of the Year Award and was one of
three students who received the Paul Bogart Prize, given annually
to the student with the highest grade point average after the
sophomore year.

Two sophomores received multiple honors. They were John
Leonard, North Canton, Ohio, who received the Dunlap-Alpha Chi
Sigma Scholarship presented by the Department of Chemistry and the
Heminway Bronze Medal which was earned by eight students who had
the highest grade point average at the end of their freshman year;
and Brenton Young, Audubon, Iowa, who was the recipient of the C.
Leroy Mason Award in Physics and the Heminway Bronze Medal.

Other students receiving recognition were seniors Laurence
Allen, Council Bluffs, Iowa, the American Institute of Chemists
Award; James Bair, Fairborn, Ohio, the John Rhee Award in Physics;
Trent Bennett, Culver, and Jay Mills, Crawfordsville, the Indiana
Section ASCE Outstanding Student Award in civil engineering; Alan
Ehler, Brighton, Colo., the Edward A. MacLean Award as a top
student in civil engineering; and Erich Friedman, Indianapolis,
the Clarence P. Sousley Award presented by the Department of
Mathematics.

Additional seniors selected for honors were John Lueken, Fer-
dinand, who earned the American Society of Civil Engineers Alumni
Award; Matthew Mills, Circleville, Ohio, who was named the

(more)
recipient of the IEEE Outstanding Student Member Award by the
Department of Electrical Engineering; and Kenneth Morand, Newburgh,
who won the Coblentz Society Award given by the Department of
Chemistry.

Seniors also receiving recognition were Bruce Mueller, Gilman,
Ill., the Outstanding Senior Award in electrical engineering; and
Thomas Robinson, Petersburg, won the Pfizer Award presented by the
Department of Chemical Engineering. Brett Schumann and Gary
Wease, both of St. John, were named the winner of the Cummins En-
gine Co. Award honoring an outstanding mechanical engineering
major; and the Merck Index Award in chemistry, respectively.

Ronald Szabo, Flushing, Mich., won the Heminway Bronze Medal; and
Robert Werner, Canoga Park, Calif., was named the recipient of the
Addison-Wesley Book Award given to the outstanding computer
science student.

Four juniors received honors including Eric Gjelvik, Otis
Orchards, Wash., the Dow Chemical Award as an outstanding student
in chemical engineering; Craig Ledgerwood, Loogootee, and J.
Andrew Lowe, Knoxville, Tenn., the Paul N. Bogart Prize; and Kerry
Sharp, Danville, the Wall Street Journal Student Achievement Award
Presented by the Division of Humanities, Social and Life Sciences.

Among the sophomores honored were M. Frederick Baechler, Jef-
fersonville, the Roger L. Maness Memorial Scholarship given to an
outstanding chemistry student; Patrick Casey, Frankfort, Ky.,
Robert Denkewalter, Talkeetna, Alaska; Greg Klem, St. Anthony,
Stephen Kreger and Steven Mixdorf, Charles City, Iowa, were all
winners of the Heminway Bronze Medal; and David Reynolds,
Crestline, Ohio, was the recipient of the Civil Engineering Facul-
ty Award.

(more)
Other winners were Douglas Hodgson, Berwyn, Ill., who was named the recipient of the Kodak Scholarship in Applied Optics; Mark Schultz, won the CRC Press Freshman Chemistry Achievement Award; and Floyd Yager was named the winner of the Harry S. Truman Scholarship Nomination presented by the Division of Humanities, Social and Life Sciences.

Three Rose-Hulman graduates were also presented with the college's Distinguished Young Alumni Award during the honors banquet. Recipients were William Gurley, vice-president Standayne, Inc., Farmington, Conn.; John Malmquist, executive vice-president, Mas- sen Construction, Madison, Wis.; and Edward McDevitt, vice-President, Tellabs, Inc., Lisle, Ill.

Rose-Hulman also recognized five high school teachers for their contributions to education. Honored with the Rose-Hulman Outstanding High School Teacher Award were Jean Mills, head, Department of Mathematics, Logan Elm High School, Circleville, Ohio; Peg Sanders, English teacher, Crothersville High School, Crothersville; Joseph Fischer, mathematics teacher, North Central High School, Indianapolis; James Dickman, mathematics teacher, New Albany High School, New Albany; and Gail Burrill, mathematics teacher, Witchall High School, Greenfield, Wis.

Featured speaker at the program was Clyde Ingle, commissioner, Indiana Commission for Higher Education.
LEARN RUSSIAN IN THE U.S.S.R.

TERRE HAUTE, Ind. -- The opportunity to learn the Russian language from Soviet teachers will be the focus of a month-long summer trip to Russia that is sponsored by Rose-Hulman Institute of Technology.

The foreign language program, July 14-Aug. 12, begins with an orientation in Leningrad with excursions to Hermitage, St. Isaacs and Petrodvorets.

Tour director Peter Priest, professor of Russian at Rose-Hulman, says the program is different from other college-sponsored summer trips to the Soviet Union because students will be studying in the town of Krasnodar.

"The city is far from the Russia that most westerners usually see," noted Priest, who is coordinating his fifth language study program to the Soviet Union.

An optional 11-day program beginning Aug. 11 is also being offered. Participants would study Russian while staying in Sochi, a popular resort town on the Black Sea.

Persons interested in learning more about the two foreign language trips should contact Priest by calling 877-1511 or writing to him at Rose-Hulman, 5500 Wabash Avenue, Terre Haute, IN.
SPORTS INFORMATION

SPRING SPORTS ACTIVITIES AT ROSE-HULMAN THIS WEEK

THIS WEEK'S SCHEDULE:

* FRI., MAY 1 -- ROSE-HULMAN GOLF INVITATIONAL, HULMAN LINKS GOLF COURSE, 8 A.M.
* SAT., MAY 2 -- ROSE-HULMAN GOLF INVITATIONAL, HULMAN LINKS GOLF COURSE, 8 A.M.
* SAT., MAY 2 -- TENNIS TEAM AT EARLHAM, 11 A.M.
* SAT., MAY 2 -- TRACK TEAM AT INDIANA STATE, 11 A.M.
* SAT., MAY 2 -- BASEBALL TEAM HOSTS PRINCIPIA, DOUBLE-HEADER, 1 P.M., ART NEHF FIELD
* SUN., MAY 3 -- BASEBALL TEAM AT MACMURRAY COLLEGE, DOUBLE-HEADER, 1 P.M.

UPCOMING EVENTS:

* THU., MAY 7 -- COLLEGE ATHLETIC CONFERENCE SPRING SPORTS FESTIVAL, EARLHAM COLLEGE
* FRI., MAY 8 -- CAC SPRING SPORTS FESTIVAL, EARLHAM
* SAT., MAY 9 -- CAC SPRING SPORTS FESTIVAL, EARLHAM

GOLF TEAM TO HOST INVITATIONAL

TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology Invitational Golf Tournament is scheduled for this weekend (May 1 and 2) at Hulman Links Golf Course. Play is to begin both days at 8 a.m.

Teams scheduled to participate are: Washington University of St. Louis, Mo., Heidelberg College, Franklin College, Earlham College, Hope College, Hanover College, DePauw University and Rose-Hulman.

"These are excellent teams and I look for a good, competitive tournament," Coach Scott Duncan said.

Millikin University won last year's tournament while Rose-Hulman finished ninth.

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ROSE-HULMAN SPRING SPORTS -- ADD ONE

BASEBALL TEAM TO PLAY FOUR GAMES THIS WEEKEND
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TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology baseball team is scheduled to play four games this weekend. The Engineers host Principia College on Saturday (May 2) for a 1 p.m. double-header at Art Nehf Field, then travel to MacMurray College for a double-header beginning at 1 p.m..

Last week, Rose-Hulman split double-header games with DePauw University (April 21) and Wabash College (April 25) to run its record to 14-16 (prior to Monday's double-header contest at DePauw).

"I'm not really satisfied with our pitching at this point," Head Coach Jim Rendel said. "We're just not very consistent. I'm hoping that situation straightens out this weekend.

"Our hitting has been decent. I'm hopeful we'll be able to continue hitting the ball well."

Leading the Engineers in hitting is infielder Grant Sharp, senior from Cincinnati, Ohio. He is batting .417 with 10 RBI.

ENGINEER TENNIS TEAM IMPROVES RECORD
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TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology tennis team improved its record to 3-7 by defeating visiting University of Indianapolis last Saturday (April 28), 6-3.

The Engineers host Wabash today (April 28) at 3:30 p.m. and travel to Earlham College on Saturday (May 2) for a 10 a.m. match.

Singles winners against the University of Indianapolis were: John Puckett, junior from Anderson, at No. 1; Ron Wingo, freshman from Danville, Ill., at No. 2; Chad Beesley, senior from Thorntown, at No. 3; and Mark Crowder, junior from Terre Haute, at No. 4. Doubles winners were: Puckett-Wingo at No. 1 and Beesley-Crowder at No. 2.

TRACK TEAM FINISHES SEVENTH AT LITTLE STATE
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TERRE HAUTE, Ind. -- The Rose-Hulman Institute of Technology track and field team finished seventh at the Indiana Outdoor Little State Meet held last Saturday (April 28) at Indiana University-Purdue University in Indianapolis.

The Engineers tallied 30 points at the meet. Anderson College racked up 143 points to capture the team title for the third consecutive year. Nineteen teams competed at the meet.

William Sears, senior from New Whiteland, won the 110-meter high hurdles Little State championship in a time of 14.7.

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Other top individual performers for Rose-Hulman were:

John Hanger, senior from Missoula, Mt., second place in the javelin (191-1); Miles Fletcher, senior from Chesterton, fifth place in the high jump (6-6); Jeff Harrison, sophomore from Jeffersonville, sixth place in the high jump (6-6);
Craig Dargan, senior from St. Louis, Mo., fifth place in the triple jump (72-7 1/4); and Jerry Lyons, senior from Seelyville, fourth in the 800-meter run (1:55.1).

"If you look at the team scores on Saturday, it appears as if we didn't have a very good day," Coach Bill Welch said. "But, we had eight personal bests and eight season bests. Considering the tough competition at the meet, I think we had a productive, encouraging day."

Some of the Engineers will participate at an all-comers meet on Saturday (May 2) at Indiana State University. Field events are scheduled to begin at 11 a.m. and running events at 12:30 p.m.

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CONTACT: Joe Hargis

FOR RELEASE: Upon receipt
April 29, 1987

DICKMAN HONORED FOR TEACHING SKILLS -- James M. Dickman, Jr. (right), chairman of the Mathematics Department at New Albany High School, has been honored by Rose-Hulman Institute of Technology for his contributions to the education profession. Each year, Rose-Hulman students and alumni nominate former teachers for the college's Outstanding High School Teacher Award which is presented in conjunction with Rose-Hulman's annual Parents' Day program. Presenting the award is Jack Kinney, professor of mathematics at Rose-Hulman. Located in Terre Haute, Ind., Rose-Hulman is a private engineering and science college with an enrollment of 1,300.

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STUDENTS HONOURED AT ROSE-HULMAN

TERRE HAUTE, Ind.--(STUDENT FROM YOUR AREA: SEE ATTACHED LIST) was one of 37 students honored at Rose-Hulman Institute of Technology recently during its Honors and Awards Banquet. The annual event was held in conjunction with Rose-Hulman's Parents' Day activities.

Awards were presented for academic excellence by Rose-Hulman department heads and area industries.

Besides presenting 36 awards to 37 students, Rose-Hulman also presented three Distinguished Young Alumni Awards and five Outstanding High School Teacher Awards.

Founded in 1874, Rose-Hulman was the first privately supported engineering and science college west of the Allegheny Mountains. The Institute has an enrollment of 1,300 men drawn from 45 states and several foreign countries.

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HONORS AND AWARDS

CRAWFORDSVILLE:
Jay D. Mills, 606 E. Main St., Mr. and Mrs. Jerry Mills, senior civil engineering major, Indiana Section, American Society of Civil Engineers Outstanding Student Award

CULVER:
Trent Bennett, 18695 W. 16th Rd., Mr. Leon Bennett, senior civil engineering major, Indiana Section, American Society of Civil Engineers Outstanding Student Award

DANVILLE:
Darrel L. Huff, 2399 West 50S, Mr. and Mrs. Larry Huff, senior chemistry major, John White Award and William A. Noyes Award to the outstanding senior chemistry major and Carl Wischmeyer Award for the highest grade point average after the junior year

Kerry W. Sharp, R.R. 3, Box 12, Mr. and Mrs. John Sharp, junior electrical engineering major, Wall Street Journal Award for excellence in economics

FERDINAND:
John J. Lueken, R.R. 3, Box 350, Mr. and Mrs. Norman Lueken, senior civil engineering major, American Society of Civil Engineers Alumni Award to the outstanding member of the student chapter of ASCE

INDIANAPOLIS:
Erich Friedman, 9328 Evergreen Ave., Mrs. Ruth Friedman, senior mathematics major, Clarence P. Sousley Award to the outstanding senior mathematics student

JEFFERSONVILLE:
M. Frederick Baechler, 2006 Ruck Lane, Mr. and Mrs. Carl Baechler, sophomore chemistry major, Roger L. Maness Memorial Scholarship to an outstanding chemistry student

LOOGOOTEE:
Craig Ledgerwood, 301 Pine St., Mr. and Mrs. Vance Ledgerwood, junior electrical engineering major, Paul N. Bogart Prize to the student with the highest cumulative grade point average after 2 years

MUNSTER:
Jeffrey L. Gresham, 8948 Hudson Ct., Mr. and Mrs. Robert Gresham, junior electrical engineering major, Electrical Engineering Sophomore of Year Award and Paul N. Bogart Prize to the student with the highest cumulative grade point average after 2 years
NEWBURGH:

Kenneth L. Morand, 7333 Marywood Dr., Mr. and Mrs. Larry Morand, senior chemistry major, Coblenz Society Award to a senior chemistry major

Jack E. Tubbs, 712 Maple Lane, Mr. and Mrs. Jack E. Tubbs, senior civil engineering major, Shelton Hannig Award to the outstanding senior civil engineering major, and J. Ben Wilson Consulting Engineering Award

PETERSBURG:

Thomas C. Robinson, R.R. 1, Mr. and Mrs. Charles Robinson, senior chemical engineering major, Pfizer, Inc. Award to the outstanding chemical engineering major

ST. ANTHONY:

Greg W. Klem, Box 125, Mr. and Mrs. Jim Klem, sophomore electrical engineering major, Hemingway Bronze Medal for the highest grade point average for the freshman year

ST. JOHN:

Brett Schumann, 13711 Lantern Dr., Mr. and Mrs. Robert Schumann, senior mechanical engineering major, Cummins Engine Co. Award for most outstanding mechanical engineering major

ALASKA:
- Talkeetna

Robert Denkewalter, P.O. Box 305, Mr. and Mrs. Eric Denkewalter, sophomore electrical engineering major, Hemingway Bronze Medal for the highest grade point average for the freshman year

CALIFORNIA:
- Canoga Park

Robert S. Werner, 23681 Draco Way, Mr. and Mrs. Herbert Werner, senior computer science major, Addison-Wesley Book Award for excellence as a senior in computer science

COLORADO:
- Brighton

Alan J. Ehler, 8891 E. 160th Ave., Mr. and Mrs. John Ehler, senior civil engineering major, Edward A. MacLean Award to the outstanding student in mechanics courses

ILLINOIS:
- Berwyn

Douglas J. Hodgson, 2744 Grove, Mr. and Mrs. David Hodgson, sophomore physics major, Kodak Scholarship in Applied Optics

- Franklin Park

Floyd M. Yager, 2505 Scott St., Mr. and Mrs. Floyd Yager, sophomore mathematics major, Harry S. Truman Scholarship
Bruce D. Mueller, R.R. 1, Box 115, Mr. and Mrs. Wendell Mueller, senior electrical engineering major, Outstanding Senior Electrical Engineer Award

Carl Regenauer, 40534 Green Bay Rd., Mr. and Mrs. Carl Regenauer, senior electrical engineering major, Clarence C. Knipmeyer Award to the outstanding electrical engineering major after the junior year, Carl Wischmeyer Award for the highest grade point average after the junior year

Brenton C. Young, 906 E. Division, Rev. and Mrs. Douglas Young, sophomore physics major, C. Leroy Mason Award to the outstanding sophomore physics major and Heminway Bronze Medal for the highest grade point average for the freshman year

Steven R. Mixdorf, Route 4, Mr. and Mrs. Roger Moser, sophomore electrical engineering major, Heminway Bronze Medal for the highest grade point average for the freshman year

Laurence E. Allen, 218 E. Orchard Ave., Mr. and Mrs. L.E. Allen, Jr., senior chemical engineering major, American Institute of Chemists Student Award

Patrick Casey, 110 Lindenwood Lane, Mr. and Mrs. Raymond Casey, sophomore electrical engineering major, Freshman Heminway Bronze Medal for the highest grade point average for the freshman year

Ronald J. Szabo, 496 Hut West Dr., Mr. and Mrs. Ronald J. Szabo, Sr., sophomore electrical engineering major, Freshman Heminway Bronze Medal for the highest grade point average for the freshman year

Darryl Dixon, 4516 Harrison Ave., Mr. and Mrs. Hubert Dixon, junior chemical engineering major, Eli Lilly Clinton Laboratories Award for excellence as a junior in chemical engineering and Undergraduate Award in Analytical Chemistry
Matthew D. Mills, 8655 Tarlton Rd., Mr. and Mrs. Robert Mills, senior electrical engineering major, Institute of Electrical and Electronics Engineers Outstanding Student Member Award

David J. Reynolds, 7457 Lincoln Highway, Mr. and Mrs. James Reynolds, sophomore civil engineering major, Civil Engineering Faculty Award

James E. Bair, 1180 Overlook Dr., Mr. and Mrs. James Bair, senior physics major, John W. Rhee Award to the outstanding senior physics student

John Leonard, 7681 Bentler Rd. NE, Mrs. Beverly Temple, North Canton, and John Leonard, sophomore chemical engineering major, Dunlap-Alpha Chi Sigma Scholarship and Heminway Bronze Medal for the highest grade point average for the freshman year

Stephen T. Kreger, 2308 Lakeside Dr., Mr. and Mrs. Paul Kreger, sophomore physics major, Heminway Bronze Medal for the highest grade point average for the freshman year

J. Andrew Lowe, Johnson Bible College, Mr. and Mrs. John Lowe, junior electrical engineering major, Paul N. Bogart Prize to the student with the highest cumulative grade point average after 2 years

Eric Gjelvik, E23713 Euclid, Mr. and Mrs. Edgar Gjelvik, junior chemical engineering major, Dow Chemical Award to the outstanding junior chemical engineering major

Randy S. Bay, 1110 Bloomer Mill Rd., Mr. and Mrs. Donald Bay, junior mechanical engineering major, Mueller Company Award to the outstanding mechanical engineering major upon completion of the sophomore year and Oberlander Club-Frances Sanders Memorial Scholarship

Mark F. Schulz, 11353 N. Riverland, Mr. and Mrs. Ronald Schulz, freshman chemical engineering major, CRC Press Freshman Chemistry Achievement Award to the outstanding freshman chemistry major
ENGINEERS AFTER THIRD CONSECUTIVE COLLEGE ATHLETIC CONFERENCE "BIG BELL"

TERRE HAUTE, Ind. -- Rose-Hulman Institute of Technology will attempt to win its third consecutive "Big Bell" all-sports trophy at the College Athletic Conference Spring Sports Festival May 7-9 at Earlham College.

The three-day Festival will determine the overall conference champion for the 1986-87 academic year. Teams participating at the Festival will be golf, tennis, baseball and track and field.

Rose-Hulman leads the conference standings with 90 points, based on finishes in the fall and winter sports of football, cross country, soccer and basketball. Rhodes College is in second place with 80 points, followed by Centre College with 75, Sewanee with 72.5, Earlham with 65 and Fisk University with 22.5.

Last year, the Engineers entered the Festival tied with Centre for second place and trailing first-place Rhodes by 22.5 points. Rose-Hulman won CAC championships in golf and track and field, tied for second in baseball and finished third in tennis to edge Rhodes in the final standings by 2.5 points.

(more)
Last year's "Big Bell" win by the Engineers was their seventh since joining the league in 1975. Other "Big Bell" wins came in 1974-75, 1975-76, 1980-81, 1981-82, 1982-83, 1984-85 and 1985-86.

Here is a look at Rose-Hulman's spring sports teams heading into this week's competition:

* TRACK AND FIELD -- The Engineers have dominated the CAC in track and field, winning the past eight consecutive titles. Rose-Hulman, coached by Bill Welch, has two returning CAC champions: senior Kurt Kelso of Indianapolis, in the 1,500-meters, and senior Miles Fletcher of Chesterton, in the high jump. Senior John Hanger of Missoula, Mont., has qualified for the NCAA Division III championships in the javelin event for the third consecutive year and is expected to top the CAC field in that event.

* TENNIS -- The Rose-Hulman tennis team has compiled a 3-1 record since April. The Engineers return two players who were third place finishers in singles competition at last year's Festival. They are John Puckett, senior from Anderson, at No. 1, and Chad Beesley, senior from Thorntown, at No. 3. Puckett and Beesley combined to take second place in No. 1 doubles. This season, Puckett and Ron Wingo, freshman from Danville, Ill., play No. 1 doubles and are undefeated in their last four matches, 9-3 on the season. (more)
ENGINEERS AFTER CAC "BIG BELL" -- ADD TWO

* GOLF -- The Rose-Hulman golf team is the defending conference champion. Steve Mendoza, junior from Portage, and Dennis Aldridge, senior from Beech Grove, tied for second place at last year's Festival. Mendoza tied for 10th Place as a sophomore.

* BASEBALL -- Coach Jim Rendel's team finished in second place at last year's Festival with a 4-1 record. Leading hitter this season for the 16-17 Engineers is infielder Grant Sharp, senior from Cincinnati, Ohio. He has a batting average of .383 with 12 RBI. Mark Mayfield, senior from Terre Haute, has a .363 average that includes six home runs, 21 RBI, four doubles and a triple. Rose-Hulman is hitting .272 as a team. Top pitcher for Rose-Hulman is Joe Witulski, junior from South Bend. He has a 5-2 record and 2.96 earned run average.

-30-
TERRE HAUTE, Ind. -- Two student/athletes at Rose-Hulman Institute of Technology have been awarded honorable mention status on the 1986 Pizza Hut All-America Division III Football Team.

Chris Szaz, junior nose guard from Cincinnati, Ohio, and Doug Ankney, junior defensive end from Brazil, were selected to the Pizza Hut All-America squad by a panel of Sports Information Directors from across the nation.

A first-team All-College Athletic Conference pick this past season, Szaz finished third on the team in total tackles with 90. He also had six tackles for minus 17 yards, three fumble recoveries and a team-leading seven sacks.

In addition to his athletic talents, Szaz was a first-team college division selection to the GTE District Five All-Academic team for 1986.

Ankney, also a first-team all-conference player in 1986, was fourth on the team in total tackles with 80. He had five tackles for minus nine yards, six sacks, three fumble recoveries, four passes broken up, two blocked punts and three interceptions for 97 yards.
Two of Ankney's interceptions went for touchdowns - one a 79-yard TD return.

Rose-Hulman won the CAC title last season with a 4-0 record and finished the year with an 8-2 mark, only the second time the Engineers had ever won eight football games in a season.
TERRE HAUTE, Ind. -- (NAME OF STUDENT FROM YOUR AREA: SEE ATTACHED LIST) is one of 12 new resident assistants (RA's) selected at Rose-Hulman Institute of Technology to join six returning RA's for the 1987-88 academic year.

(NAME OF STUDENT, HIGH SCHOOL) was chosen from 25 "outstanding" applicants, according to Tom Miller, director of residential life at the science and engineering college.

"RA's are chosen on their ability to accept responsibility, to communicate and relate to other students, to act as a resource person, and to provide an effective role model," Miller said.

Duties of an RA include: interpret and assist with enforcement of Rose-Hulman rules and regulations regarding residence halls; initiate programs and activities; assist students with personal, academic or hall problems; make room assignments and report maintenance problems.

First-year RA's at Rose-Hulman receive a single room and board less $200, which amounts to a total award of $2,650.

(more)
"Students chosen as RA's are well-rounded individuals and campus leaders who have a desire to help and work with fellow students as peer counselors," Miller said.

(NAME OF STUDENT, MAJOR,) is the son of (PARENTS' NAMES, ADDRESS).
Devin M. Sale, sophomore electrical engineering major, son of Sherman and Deanna Sale, 1918 E. 44th, Anderson, 1985 graduate of Anderson High School

Alan Schoonveld, junior mechanical engineering major, son of Arthur and Barbara Schoonveld, George Ade Dr., Brook, 1984 graduate of South Newton High School


John Colburn, sophomore mechanical engineering major, son of Charles and Sandy Colburn, 118 Broadway St., Sellersburg, 1985 graduate of Silver Creek High School

Kurtis Lengacher, sophomore chemical engineering major, son of Richard N. and Jane A. Lengacher, 18524 Bishop Rd., Spencerville, 1985 graduate of Leo High School

C. Scott Brown, sophomore mechanical engineering major, son of Charles and Sharon Brown, 227 E. Main, Spiceland, 1985 graduate of Tri High School

Chris Zadlo, sophomore electrical engineering major, son of Alojzy and Wanda Zadlo, 3104 N. 76th Ave., Elwood Park, 1985 graduate of Holy Cross High School

Floyd Yager, sophomore mathematics major, son of Floyd and Stephanie Yager, 2505 Scott, Franklin Park, 1985 graduate of East Leyden High School

Matt White, sophomore mechanical engineering major, son of Mac E. and Virginia White, 314 E. LaMotte, Palestine, 1985 graduate of Palestine High School

(more)
MAINE
-Augusta

Dean Woodward, sophomore chemical engineering major, son of Guy and Sandra Woodward, Box 690 RFD 4, Augusta, 1985 graduate of Messalonskee High School

OHIO
-Crestline

Dave Reynolds, sophomore civil engineering major, son of James L. and Luann Reynolds, 7457 Lincoln Hwy., Crestline, 1985 graduate of Crestline High School

WISCONSIN
-New London

Mark Klug, sophomore mechanical engineering major, son of Mr. and Mrs. Rubin Klug, 1906 Pershing Rd., New London, 1985 graduate of New London Senior High School

-30-
RHA DONATES MONEY -- Andrew Conru (right), representing the Residence Hall Association at Rose-Hulman Institute of Technology, presents a check for $185.88 to Jeannie Moore, Director of the Children's Learning Center in Terre Haute. The money was raised through RHA's "Give Up A Meal" program, instituted to benefit charitable organizations in the Wabash Valley. In cooperation with ARA Food Service, RHA collected a part of the cost for each meal given up by the over 170 students who participated in the program.

-30-
OPTICS AUTHORITY TO SPEAK ABOUT FUTURE USES OF OPTICS TECHNOLOGY

TERRE HAUTE, Ind.--Jean Bennett, president of the Optical Society of America, has been selected by Rose-Hulman Institute of Technology as the fourth visiting Lilly Fellow to visit campus and speak about the developments occurring in the field of optics technology.

Bennett will meet with faculty and students May 14-15 and will present a public lecture May 15 at 10:50 a.m. in the GM Room of Moench Hall. The topic of her speech is "Optics Art and Surface Evaluation for Optics of the Future."

She is currently a visiting senior scientist at the Center for Applied Optics at the University of Alabama in Huntsville. Bennett is on leave from her post as a research physicist in the Physics Division at Michelson Laboratory, China Lake, Calif.

She is the author or co-author of more than 100 articles published in scientific journals and has been granted three patents regarding her research about the characteristics of optical surfaces, light scattering experiments and theory.

(more)
The purpose of the Lilly Fellow program is to bring to the Rose-Hulman campus national optics experts who meet with members of the college's optics faculty, review and critique optics courses and curriculum, and study the development of the Center for Applied Optics Studies.

The Lilly Fellow program was established in 1985 through a curriculum development grant from the Lilly Endowment Inc. of Indianapolis.

Bennett is the fourth Lilly Fellow to visit the Rose-Hulman campus to assist the college with the development of its optics educational programs and the Center for Applied Optics Studies.

Other Lilly Fellows have been Brian Thompson, provost at the University of Rochester, Robert Fischer, chief scientist, Hughes Aircraft Co., and James Wyant, president of WYKO Corp. and professor of Optical Science at the University of Arizona.
FOUR TO RECEIVE HONORARY DEGREES
MAY 23 AT ROSE-HULMAN

TERRE HAUTE, Ind.--Four men who have distinguished themselves in international business or medicine will be presented with honorary Doctor of Engineering degrees May 23 during the 109th graduation program at Rose-Hulman Institute of Technology.

In addition to the honorary degrees, 270 undergraduate and nine graduate degrees will also be awarded by Rose-Hulman President Samuel F. Hulbert.

Ceremonies begin at 11 a.m. in Shook Memorial Fieldhouse.

Honorary degree recipients include Terre Haute native William Fenoglio, president, Barnes Group, Inc., Bristol, Conn.; A. Norman Cranin, director, Department of Dental and Oral Surgery, and clinical professor of oral and maxillofacial surgery, College of Dentistry, New York University; Howard Irvin, retired president of Borg-Warner Chemical International and now president of Howard Irvin Associates, Chicago, Ill.; and John Winters, vice president, Caterpillar, Inc., Peoria, Ill.

Fenoglio, Irvin and Winters are Rose-Hulman graduates. Cranin will deliver the annual commencement address.

As president of the Barnes Group, Fenoglio directs a Fortune 500 company that employs 4,500 people worldwide in three separate (more)
business groups. The subsidiaries are involved in the manufacture and distribution of numerous products and services for the automotive, aviation, farm, and telecommunications markets.

After graduating from the former Schulte High School, Fenoglio received a bachelor of science degree in mechanical engineering from Rose-Hulman in 1961. Before joining the Barnes group in 1985, he was a vice president and general manager for General Electric with responsibility for 28 worldwide operations.

Cranin is being recognized for his development of new oral surgery techniques, the creation of modern dental implant systems and as an educator in the areas of oral surgery and dental health.

He was among a group of scientists who were leaders in the initial development of dental implants. He is well-known for his contributions to dental health care education and is the author of "The Modern Family Guide to Dental Health," considered to be one of the most popular books written about dental hygiene.

Irvin, a 1943 honors graduate of Rose-Hulman, was among a small group of chemists and engineers who launched Borg-Warner into the plastics business in the 1940s when they developed Cycolac, a new type of moldable resin. As a result of their research, Borg-Warner became the largest ABS resin producer in the world. Irvin was also responsible for establishing major manufacturing facilities for the new product.

Irvin, who completed a 38-year career with Borg-Warner when he retired in 1981, is currently president of his own Chicago-based consulting firm that counsels national and international companies in the area of technology transfer.

(more)
He is also a member of the college's governing body, the Board of Managers.

Winters began his career with Caterpillar immediately after graduating with honors from Rose-Hulman in 1949. As vice president of the company's engine division, he is responsible for the manufacture and marketing of engines worldwide.

Prior to being named to his current job in 1983, Winters was President of Caterpillar's subsidiary in Brasil, S.A. He has also served in numerous management posts in the company's sales and marketing divisions including manager of sales, dealer sales, sales training and general supervisor of the market division.

The degree will be conferred during the college's 169th commencement program. Irvin graduated in 1943 with honors from Rose-Hulman, a private engineering and science college.

Irvin was among a small group of chemists and engineers who launched Borg-Warner into the plastics business in the 1940s when they developed Cycolac, a new type of moldable resin. As a result of their research, Borg-Warner became the largest ABS resin producer in the world. Irvin was also responsible for establishing major manufacturing facilities for the new product.

Irvin, who completed a 38-year career with Borg-Warner when he retired in 1981, is currently president of his own Chicago-based consulting firm that counsels national and international companies in the area of technology transfer. At the time of his retirement, Irvin was corporate vice president for external technology at Borg-Warner.

He is a member of Rose-Hulman's governing board and holds membership in numerous national and international chemical societies.
CHICAGO EXECUTIVE
RECEIVES HONORARY DEGREE

TERRE HAUTE, Ind.--Howard Irvin of Chicago, formerly president
of Borg-Warner Chemicals International, will receive an honorary
Doctor of Engineering degree May 23 from Rose-Hulman Institute of
Technology.

The degree will be conferred during the college's 109th
commencement program. Irvin graduated in 1943 with honors from
Rose-Hulman, a private engineering and science college.

Irvin was among a small group of chemists and engineers who
launched Borg-Warner into the plastics business in the 1940s when
they developed Cycolac, a new type of moldable resin. As a result
of their research, Borg-Warner became the largest ABS resin pro-
ducer in the world. Irvin was also responsible for establishing
major manufacturing facilities for the new product.

Irvin, who completed a 38-year career with Borg-Warner when he
retired in 1981, is currently president of his own Chicago-based
consulting firm that counsels national and international companies
in the area of technology transfer. At the time of his retire-
ment, Irvin was corporate vice president for external technology
at Borg-Warner.

He is a member of Rose-Hulman's governing board and holds mem-
bership in numerous national and international chemical societies.
CRANIN TO RECEIVE HONORARY DEGREE

TERRE HAUTE, Ind.—Dr. A. Norman Cranin, director, Department of Dental and Oral Surgery at the Brookdale Hospital Medical Center and clinical professor of oral and maxillofacial surgery at New York University College of Dentistry, will receive an honorary degree May 23 from Rose-Hulman Institute of Technology.

Cranin is being recognized for his development of new oral surgery techniques, the creation of modern dental implant systems and as an educator in the areas of oral surgery and dental health.

He will receive an honorary Doctor of Engineering degree from Rose-Hulman President Samuel F. Hulbert during the college's 109th commencement program.

Rose-Hulman is a private engineering and science college with an enrollment of 1,300 students.

Cranin was among a small group of scientists who were leaders in the initial development of dental implants. He is well-known for his contributions to dental health care education and is the author of "The Modern Family Guide to Dental Health," considered to be one of the most popular books written about personal dental health care.

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Cranin has also been a leader in the creation of research organizations to further the development of dental implants. He helped to form the Dental Implant Research Group and the Society for Biomaterials.

Internationally known for his contributions to dental health care, Cranin has been honored for his outstanding teaching. Education awards have been presented by the College of Oral Implantology and the NYU College of Dentistry. He has presented more than 500 lectures worldwide.

In addition, Cranin was the recipient of the highest honor that can be bestowed by the American Academy of Implant Dentistry. Cranin has also served as the president of the American Academy of Implant Dentistry, the Dental Implant Research Group and vice president of the American Association of Dental Schools.
TERRE HAUTE, Ind. -- Rose-Hulman Institute of Technology honored more than 100 athletes today (May 12) at its annual winter/spring sports banquet in Hulman Memorial Union on the college's campus. Receiving honors were those student/athletes who participated in track and field, baseball, basketball, rifle, golf, tennis and wrestling.

Bruce Fenimore, of Rushville, and William Sears, of New Whiteland, were co-recipients of the Ruel "Fox" Burns Blanket Award, given annually to the senior or seniors who contribute the most to Rose-Hulman athletics during their career.

Fenimore was a four-year letterman in baseball and football. He was a first-team all-College Athletic Conference offensive lineman as a junior member of the Engineer football team, and he was an honorable mention selection as a senior.

During Fenimore's junior year on the gridiron, the Engineer offense averaged 252.6 rushing yards per game, 11th best among all NCAA Division III teams. The Engineers won the CAC last season with a 4-0 record and tied for the conference title in 1983.
As a catcher for the Rose-Hulman baseball team for four years, Fenimore helped the Engineers win co-conference championships in 1986 and 1987.

Sears lettered two years in football and four years in track. He led the football team in rushing as a junior (466 yards) and scoring as a senior (54 points). He was an All-American hurdler with the track team in 1985 and earned all-conference honors in both sports.

Chris Scheiman, of Hampton, Va., received the John A. Logan Award, presented each spring to the senior athlete who has achieved the highest grade point average while lettering four years. A computer science major, Scheiman was a four-year letterman in soccer and will graduate this spring with a grade point average of 3.856 on a 4.0 scale.

Wes Davis, of Goshen, and John Hanger, of Missoula, Mont., were co-winners of the Sam Hulbert Award, named after the college's current president. The award is presented to the senior athlete or athletes who contribute the most in spirit, sportsmanship and determination.

Davis, a four-year letterman in wrestling, holds the school record for most career wins with 72. He also received the team's Most Valuable Wrestler Award for the third straight year.

Hanger earned four letters with the Rose-Hulman track and field team as a javelin thrower. He will compete for the third consecutive year at the NCAA Division III outdoor championships, May 20-23 at North Central College in Naperville, Ill.
Hanger recently captured the CAC javelin title at the Spring Sports Festival at Earlham College. In his four years with the track team, the Engineers have never lost a conference championship.

The Old Jock Award was presented to Fred Smith, maintenance engineer for Shook Memorial Fieldhouse. The award is given in recognition for continuous and outstanding support for Rose-Hulman athletics.

Other awards presented by each team were as follows:

**BASEBALL**

Coach Jim Rendel presented four special awards and 21 letters to members of his CAC co-championship squad. Mark Mayfield, a senior from Terre Haute, won the Most Valuable Player Award for his overall performance during the past season. James Yoakum, a senior from Boonville, earned the High Batting Average Award for the second year in a row. He hit for an average of .379. Joe Witulski, junior from South Bend, received the Lowest Earned Run Average Award with an ERA of 2.59. Dan Lemons, a junior from Kettering, Ohio, was awarded conference Most Valuable Player honors by Rose-Hulman for his performance at the CAC Spring Sports Festival.

**TENNIS**

The Engineer tennis team finished third at the CAC Spring Sports Festival. Coach Gene Mitz handed out eight letters, including the Most Valuable Player Award to Chad Beesley, senior from Thorntown. He took the CAC championship in No. 3 singles at the Spring Sports Festival.

**GOLF**

The Rose-Hulman golf team won the CAC title for the second consecutive year. Coach Scott Duncan presented eight letters to members of the golf team. Receiving the Low Average Award was Rick Kennedy, sophomore from Terre Haute. He averaged a score of 80 during the recently concluded season.

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ROSE-HULMAN SPRING SPORTS BANQUET -- ADD THREE

TRACK AND FIELD

The Engineer track and field team captured the conference championship for the ninth consecutive year. Welch presented 35 letters during ceremonies. William Sears, senior from New Whiteland, received awards for Most Valuable Sprint Runner and High Point Award. John Hanger, senior from Missoula, Mont., was the Most Valuable Field Events Champion for his efforts in the javelin throw. Kurt Kelso, senior from Indianapolis, won Most Valuable Distance Runner honors.

WRESTLING

Coach Dan McGrath awarded 10 letters to members of the Rose-Hulman wrestling squad. Wes Davis received the Most Valuable Wrestler Award for the third consecutive year. He also received the award for Most Take Downs. Davis had a 15-2 record and 33 take downs while competing in the 150-pound class. Best Freshman Wrestler Award went to Brian Engle, of Peru.

RIFLE

Dirk Hall, a graduate student from New Richmond, Wisc., won the Most Valuable Shooter Award. He had a competition average of 263.1 during the past season. David G. Wilson, a freshman from East New Market, Md., received the team's Most Improved Shooter Award. He improved his average 70.4 points from the beginning of the season to the end. Thomas A. Craig, freshman from Brazil, won the Outstanding Freshman Award for his 219.0 average. Sgt. Joe Bohannon, rifle team coach, handed out nine letters.

BASKETBALL

Coach John Mutchner awarded 16 letters to his team. David Urbanek, a junior from Lorain, Ohio, received awards for Most Valuable Player and Most Rebounds. He had 191 rebounds and averaged 17 points per game during the past season. He also was a second team selection to the GTE Academic All-America team. Doug Underwood, junior from North Manchester, received the team's Free Throw Award for the second consecutive season. His free throw average for the past season was 80 percent. Ron Steinhart, freshman from Huntingburg, was presented with the award for Most Assists with 66.

Captain's Awards were presented to the following student/athletes: Jeff Rea, senior from Attica, for basketball; David Urbanek, junior from Lorain, Ohio, for basketball; Donald Boughton, junior from Raleigh, N.C., for rifle; Jeff Janik, junior from Plainfield, for rifle; Dennis Aldridge, senior from Beech Grove, for golf; John Hanger, senior from Missoula, Mont., field events captain for track.

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Also Kurt Kelso, senior from Indianapolis, distance captain for track; Chris Cook, junior from Elkhart, sprint captain for track; Bruce Cluskey, senior from East Peoria, Ill., for baseball; Bruce Fenimore, senior from Rushville, for baseball; Grant Sharp, senior from Cincinnati, Ohio, for baseball; James Yoakum, senior from Boonville, for baseball; Mark Mayfield, senior from Terre Haute, for baseball, Aaron Murray, senior from Robinson, Ill., for baseball; Brian Glaze, senior from Carmel, for baseball; Wes Davis, senior from Goshen, for wrestling; John Puckett, junior from Anderson, for tennis.
WINTER/SPRING ATHLETIC LETTER WINNERS AT ROSE-HULMAN

TRACK AND FIELD
Roger Bartley, sr., Jasper
Craig Dargan, sr., St. Louis, Mo.
Miles Fletcher, sr., Chesterton
John Hanger, sr., Missoula, Mont.
Roger Hruskovich, sr., Gary
Kurt Kelso, sr., Indianapolis
Jerry Lyons, sr., Martinsville
Scott Orr, sr., Indianapolis
William Gars, sr., New Whiteland
Chris Cook, jr., Elkhart
Brian Decker, jr., Batesville
Christopher Goss, jr., Bloomington
Greg Hiatt, jr., Indianapolis
Kenny Roberts, jr., Vevay
Mark Tebbe, jr., Greensburg
Carl Trocke, jr., North Judson
Mike Garrison, so., Churubusco
Jeff Harrison, so., Jeffersonville
Joe Lemanski, so., South Bend
Steve Mericle, so., Oregon, Ohio
Ken Pierce, so., Ft. Branch
Trent Peyton, so., Jeffersonville
David Akaka, fr., Honolulu, Hawaii
Brian Bartley, fr., Jasper
Rock Kocken, fr., Huntington
Tony Kochert, fr., Floyds Knobs
Jason Lueking, fr., Bloomfield
Brian Moench, fr., Danville
Mark Montgomery, fr., Liberty
Clark Penton, fr., Mountain Home, Idaho
Brian Runkle, fr., Macy
Brett Starr, fr., Plymouth
Frank Visingardi, fr., Nanuet, N.Y.

BASEBALL
Bruce Cluskey, sr., East Peoria, Ill.
Bruce Fenimore, sr., Rushville
Brian Glaze, sr., Carmel
Mark Mayfield, sr., Terre Haute
Aaron Murray, sr., Robinson, Ill.
Grant Sharp, sr., Cincinnati, Ohio
James Yoakum, sr., Boonville
John Dowell, jr., Terre Haute
Robert Fuller, jr., Mattoon, Ill.
Todd Hoevener, jr., Elizabethtown
Scott Johnson, jr., Columbus
Dennis Kelley, Jr., St. Louis, Mich.
Dan Lemons, Jr., Kettering, Ohio
Steve O'Keefe, jr., Woodburn
Joe Witulski, jr., South Bend
Kent Agne, so., Belleville, Ill.
Tim Hofer, so., Lancaster, N.Y.
Charles Larkin, so., Westerly, R.I.
Mike Lindsey, so., Selma
Russ Olson, Milwaukee, Wisc.
Ben Hill, fr., Clinton
Doug Ream, fr., Clay City
Kyle Thompson, fr., Boonville
Gary Workman, fr., New Whiteland

BASKETBALL
Brian Mappes, sr., Georgetown
Jeff Rea, sr., Attica
James Yoakum, sr., Boonville
Kelly Land, jr., Salem, Ill.
Doug Underwood, jr., North Manchester
David Urbanek, jr., Lorain, Ohio
Jeff Harrison, so., Jeffersonville
Mike Lindsey, so., Selma
Ricky Meyer, so., Batesville
Doug Bowman, fr., Bloomington, Ill.
Tim Cindric, fr., Indianapolis
Dustin DeHaven, fr., Logansport
Trevor Olsen, fr, Fairview Park, Ohio
Chad Reitmeyer, fr., Vincennes
Ron Steinhart, fr., Huntingburg
Mike Webster, fr., Casey, Ill.
RIFLE

Dirk Hall, grad., New Richmond, Wisc.
Anthony Wilt, sr., Las Cruces, N.M.
Donald Boughton, jr., Raleigh, N.C.
Jay Groom, jr., Wales, Mass.
Jeff Janik, jr., Plainfield
Robert Blahut, so., Indianapolis
Christopher Doyle, so., Kettering, Ohio
Mitchell Williams, so., Brush Prairie, Wash.

GOLF

Dennis Aldridge, sr., Beech Grove
Mark Bower, sr., Warsaw
Steve Mendoza, jr., Portage
Tim Terry, jr., Mitchell
Jim Getter, so., Viroqua, Wisc.
Rick Kennedy, so., Terre Haute
Scott Salter, fr., Liberty
Rich Lesniak, fr., Merrillville

WRESTLING

Gene Harding, grad., LaGrange, Ky.
Derin Bluhm, sr., Auburn, Ore.
Wes Davis, sr., Goshen
Tim Yarling, sr., Speedway
Matt Hunter, jr., Princeton
Jeff Stegman, so., Fairland
Brian Engle, fr., Peru
Ray Fischer, fr., Tell City
Dama Gossert, fr., Carlisle, Pa.
Jon Guenin, fr., LaFontaine

TENNIS

Chad Beesley, sr., Thorntown
Mark Crowder, Jr., Terre Haute
John Puckett, Jr., Anderson
Evan Kokoska, so., Terre Haute
Jay Eiler, fr., Indianapolis
George Farber, fr., Tacoma, Wash.
Neil Petroff, fr., Merrillville
Ron Wingo, fr., Danville, Ill.
TERRE HAUTE, Ind. -- Are machines intelligent?

Well, not exactly.

Can computers think and reason like we humans?

No, but they come pretty close.

Developments in Artificial Intelligence (AI) have made it possible for computers to solve complex mathematical problems, learn simple concepts, understand simple drawings, engage in simple dialogue, and do useful industrial work.

There are AI computer programs that prepare income taxes, make airline reservations, plan and schedule production in industry, and monitor hospital patients.

Sometimes referred to as "machine intelligence," AI is the study of ideas which enable computers to do the tasks that we normally assume a certain level of intelligence is required to perform, according to William K. Curry, assistant professor of computer science at Rose-Hulman Institute of Technology.

"AI researchers are trying to model the human thought process," Curry said.
Simply put, AI is concerned with developing computer programs to make computers smarter.

"Although some AI researchers are attempting to better understand the human thought process via AI programs, the primary emphasis in the field tends to be on practical applications. Thus, the processing steps and techniques used in an AI program may bear little resemblance to the process which takes place in the human brain. The external results, however, may be very similar, such as making a decision or asking a pertinent question," Curry said.

AI computer programs are occupied with words and concepts and involve the kinds of problem solving and decision making that people face every day, Curry said. AI programming entails primarily symbolic processes which are usually easy to modify and update.

Incorrect answers are considered tolerable with some AI systems, such as in human/computer game playing. Other AI systems must inform the user when it cannot come to a definite decision, as is the case in medical diagnostic systems.

This kind of approach to problem solving is much different than conventional programming which deals primarily with numerical data. Conventional programming involves explicit step-by-step (algorithmic) solutions and is difficult to change. Correct answers are required and the best possible solution is usually sought.
"Part of what makes AI unique is that it deals in the area where no algorithmic solutions exist and search is required," Curry said.

For example, computers that play chess are utilizing an AI program which enables them to search through a space of possible moves. Chess-playing computers consider the alternative moves and their consequences several steps ahead.

"The reason chess playing is in the domain of artificial intelligence is because there is no algorithm such that via a series of well defined steps a player is guaranteed a win regardless of the opponent's actions," Curry said.

In fact, computers can lose at chess. AI programs do not guarantee a correct solution and sometimes give wrong answers, just like humans.

"The approach taken by AI to address problems where there is a huge number of possible situations is called heuristic search, which means using the concept that any facts I may know about a current situation may limit the number of possible solutions I must consider," Curry said.

"For example, a medical diagnostic expert system may rule out all diseases associated exclusively with females as soon as it discovers the patient being interviewed is a male."

Concepts of AI have been around since the mid 1950's. For the first 15 years, major activity centered around attempts at machine translation, game-playing (chess and checkers), pattern recognition and solving general problems.

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In the 1970's, search techniques began to mature and in the 1980s, expert systems emerged.

In addition to heuristic search, two key elements of AI are knowledge representation and languages and tools.

Knowledge representation is really at the core of AI research being done today. The purpose of knowledge representation is to organize and assemble information into a form which can be recognized by AI. AI is then able to use such a form to draw conclusions, make plans and analyze situations.

The principal AI programming languages are List Processing (LISP) and Programming in Logic (PROLOG). LISP is most popular in the U.S. and is the "mathematics" or basic programming of AI. PROLOG, a language-oriented AI Program, is popular in Europe and Japan.

Principal AI applications include natural language processing (NLP), computer vision, expert systems and problem solving and planning, Curry said.

NLP involves pattern or symbol matching. This type of programming interacts computers with people using natural language. The interaction can be typed, printed or spoken. Natural language systems using limited English (or other natural languages) are now available. Within the next decade, systems should be able to handle more complete sets of English. But the time when systems can understand a communicator's motivation is a long way off, Curry said.
Computer programs now have the ability to analyze and understand limited text, as with question-answering systems. Some automatic bank tellers utilize this type of program. There are programs that recognize certain key words when spoken (termed "word recognition"), then match them with stored facts about a limited domain to form an understanding. By the turn of the century, programs using word recognition, for example, may enable people to type letters without actually typing; they could talk to a typewriter and the typewriter would type its own letter.

Computer vision is concerned with enabling computers to see and understand the things around them. Commercial vision systems are currently being used in manufacturing and robotic systems (see sidebar story).

By the end of this decade, applications of vision systems may include traffic monitors at intersections that could control traffic flow by perceiving cars, pedestrians, and other moving objects. Computer vision systems also are expected to play a major role in future military applications such as mapping and charting.

Expert systems are the most popular and profitable systems in the world today, according to Curry. Expert systems are "knowledged-based" systems and can be used to diagnose, monitor, interpret, organize and learn - to perform as experts would.

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ARTIFICIAL INTELLIGENCE -- ADD FIVE

Expert system applications now under development include: medical diagnosis and prescription, chemical data interpretation, mineral and oil exploration, military threat assessment, space defense, air traffic control, circuit design and speech understanding.

Leading the way in AI research are the U.S. and Japan, according to Curry. "Japan and the U.S. may be on even terms as far as AI research is concerned," he said. "There are certain differences in the languages used by each country, but the goals are the same."

Those goals, said Curry, are to improve expert systems and planning systems, a for-profit adventure.

"AI research will continue to grow," Curry added. "It's the kind of field that has a real future."

Curry is helping prepare Rose-Hulman students for the future by teaching an introductory course in AI this quarter. Students enrolled in the class will learn the basic concepts and principals of AI and write programs that use heuristic search.

"More courses in AI may be offered in the future at Rose-Hulman, but that depends on what directions the undergraduate and graduate programs take," Curry said. "I anticipate there will be some additions in the way of perfecting what is now offered."

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Despite its vast domain of abilities, AI has its limitations. Expert systems can be misled by complex and unusual situations, and because of the difficulty in acquiring and maintaining a substantial knowledge base, the realm of expertise is narrow.

Machines may never exhibit the characteristics we associate with intelligence in human behavior like the ability to reason, to gain and apply knowledge, and to manipulate and communicate ideas.

Like humans, computer programs are not perfect; they often do not guarantee a correct solution. But the types of things computers will be programmed to do in the future are as limitless as the human imagination - and intelligence.
ROBOTS AND OUR FUTURE: THE SHAPE OF THINGS TO COME

TERRE HAUTE, Ind -- Somewhere in the future of Artificial Intelligence lies the development of intelligent robots, according to Donald G. Morin, professor of mechanical engineering at Rose-Hulman Institute of Technology.

Morin believes someday that robots will be able to converse with human beings. We can even expect them to perform such chores as taking our order at a fast food restaurant and serving up our favorite foods.

"Some think the real future for robots is in the service industry," Morin said. "Think of what would happen to McDonalds."

The development of AI is making intelligent robots feasible, Morin said. In the next decade, robots are expected to appear in fire fighting, undersea exploration, mining, construction and military applications.

"Eventually, robots will have the ability to communicate," he said. "The pieces are beginning to appear on the horizon."
Already on the horizon are robots with vision systems, used in the automation and manufacturing industries, Morin said. Current robot development for industry is aimed at increasing productivity, reducing costs, overcoming skilled labor shortages and improving product quality.

Vision systems are "basically the equivalent of a fancy video camera," Morin noted. "Vision systems enable a robot to pick up an image, scan it in bit form and digital form, then store that information into computer memory. The image can be analyzed in any way you want depending upon the software.

In automation and manufacturing, robots with vision systems are used for quality control, Morin said. They locate and identify objects and compare them with a reference model.

"It's not a perfect field, there's much work to be done," he stated. "Just going out and buying a robot with a vision system does not necessarily mean that it's going to do what you want it to do."

Robots consist of one or more manipulators (arms), end effectors (hands), a controller, and sensors that provide information about the environment. Industrial robots work at an efficiency rate of about 70 percent, Morin said.

Improvements have been made with regards to robot efficiency, but those gains have been sporadic. "Part of the problem with industrial robots is getting people working with the equipment who understand it properly," he said.

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Getting Rose-Hulman students to understand robotics and robotic equipment is exactly what Morin is attempting to do by teaching a course at the college called CADCAM (Computer-Aided Design/Computer-Aided Manufacturing).

"The course covers a broad spectrum of topics to give the students a feel of what's out there in industry," Morin said. "We hope to give the students enough information to get them started, so when somebody drops something in their laps they'll know where to begin."

Helping Rose-Hulman educate its students in robotics technology is Delco Electronics in Kokomo which recently gave the college a robot with a vision system, valued at approximately $65,000.

"Students can learn a great deal by using the robot," Morin said. "They can learn about what it takes to put one together and how to keep it operative. In the future I hope to take this robot, and perhaps another with a vision system, and attempt to build an automated factory workstation to produce products in quantity."

Expert systems is one of several topics related to AI that Morin will cover in his course. "The key to an expert system is its data base, the collection of all existing and pertinent information," he said. "But forming a data base is not easy. It takes experts and even the best sometimes leave out key elements which is a real danger with expert systems."
"If robots are going to be of use to people, my mother should be able to use them," he added. "That's one of the things we're working on."

By the year 2000, robots are expected to be used for such things as household repair, construction and assembly of space structures and commercial equipment maintenance and repair.
SPEEDWAY NATIVE SELECTED AS FULBRIGHT SCHOLAR

TERRE HAUTE, Ind. -- Speedway native Timothy C. Yarling, a senior at Rose-Hulman Institute of Technology, has been awarded a Fulbright-Hays Scholarship to study as a graduate student at the Technical University of Berlin during the 1987-88 academic year.

A Fulbright-Hays Scholarship is awarded on the basis of academic or professional qualifications and potential, as well as the ability and willingness to share ideas and experiences with people of diverse countries.

Yarling is among 90 United States students awarded Fulbright scholarships by the Fulbright Commission for Education Exchange between the U.S. and the Federal Republic of Germany. The grant will cover the cost of travel, insurance, tuition and provide Yarling with a living expense of approximately $510 per month.

Yarling will study mechanical engineering and political science at TU-Berlin. He is scheduled to graduate in May from Rose-Hulman with a degree in mechanical engineering.

(more)
SPEEDWAY NATIVE IS FULBRIGHT SCHOLAR -- ADD ONE

He also will have completed four years of intensive German language instruction in the college's technical translator program which teaches future engineers to translate German or Russian scientific information into English.

Yarling's scheduled visit to Germany in September will not be his first. He spent last year studying at the University of Stuttgart in an effort to improve his proficiency of the German language, and to learn about German life.

"I'm interested in working for the United Nations or possibly a large multinational company, so I believe it's important to improve my competence in the German language," Yarling said. "I expect to do a lot of work with German engineers."

A bill to create the Fulbright International Educational Exchange program was introduced to congress in 1945 by J. William Fulbright, a U.S. Senator from Arkansas (1944-71). A year later, the bill was passed by congress and signed by President Harry Truman. The program is administered by the U.S. Information Agency in cooperation with federal agencies and private organizations and managed under policy guidelines established by the Board of Foreign Scholarships.

Fulbright grants are awarded to American students, teachers and scholars to study, teach, lecture and conduct research abroad. Grants also make it possible for foreign citizens to participate in similar activities in the U.S. (more)
Yarling, 1983 valedictorian at Speedway High School, is the son of Robert E. and Jeanne C. Hallam, 6104 Hickorywood Drive, Speedway.

-30-
TERRE HAUTE, Ind.--Representatives of local businesses can learn about trade and investment opportunities with East Asian countries during a breakfast meeting May 21 at 8 a.m. at Rose-Hulman Institute of Technology.

The 90-minute information session is open to the public and is co-sponsored by the Alliance for Growth and Progress, Rose-Hulman Institute of Technology and the Terre Haute Area Chamber of Commerce. The meeting is scheduled in the Hulman Union Building.

Featured speakers will be Tomoko Hamada, director of the East Asian Studies program at Rose-Hulman, and D. Robert Webster, an attorney with the Indianapolis-based law firm of Ice, Miller, Donadio and Ryan.

They will discuss technology transfer and joint-venturing with Japanese/Korean manufacturers. Hamada will explain the various outreach services available at Rose-Hulman for Terre Haute firms interested in working with East Asian firms. Services include technical translation, business trip arrangements, in-house seminars and general consulting.

(more)
Webster has considerable experience working on international joint-venturing and technological links between American and East Asian companies. Through his efforts he has developed numerous contacts with banks, trading firms, and manufacturers in the Pacific Rim, particularly in Japan.

Further information about the meeting can be obtained by calling the Alliance for Growth and Progress, 234-2524 or Prof. Hamada at Rose-Hulman, 877-1511, ext. 285 or 276.
ROSE-HULMAN SELECTS SOPHOMORE ADVISERS FOR 1987-88

TERRE HAUTE, Ind. -- (STUDENT FROM YOUR AREA: SEE ATTACHED LIST ) is one of 20 students at Rose-Hulman Institute of Technology to be selected as a Sophomore Adviser for the 1987-88 academic year.

The job of a Sophomore Adviser is to provide positive influence for the freshman student at Rose-Hulman, assisting the student with social, emotional and educational growth.

Sophomore Advisers are chosen on their ability to accept responsibility, to communicate and relate to other students, to act as a resource person, and to provide effective role models.

To be eligible for a Sophomore Adviser position, a student must have completed a minimum of 45 quarter hours or a maximum of 89 quarter hours, be in good academic standing, lived in a residence hall for at least one full quarter, and be in good conduct standing.

A Sophomore Adviser assists the Resident Assistant and works on a voluntary basis.
ROSE-HULMAN NAMES SOPHOMORE ADVISERS -- ADD ONE

"We have more applicants for the job than we do positions available," said Tom Miller, assistant dean of students and coordinator of the program. "That tells me that sophomores feel they were helped by the program and in turn want to provide similar assistance to new students."

-30-
SOPHOMORE ADVISER LIST

INDIANA

CARMEL
Jeff Hanson, computer science major; son of Arthur and Marilyn Hanson, 1620 White Ash Drive, Carmel; 1985 graduate of Carmel High School

CLINTON
Benjamin Hill, mechanical engineering major; son of Ben and Nancy Hill, R.R. 3, Clinton; 1985 graduate of South Vermillion High School

DANVILLE
Daniel Veters, mechanical engineering major; son of Ken and Mary Veters, 4 N. Road 450E., Danville; 1985 graduate of Avon High School

GREENWOOD
John Hummel, chemical engineering major; son of Russell and Patricia Hummel, 472 Carol Drive, Greenwood; 1985 graduate of Greenwood Community High School

KOKOMO
Randall Bridgeman, chemical engineering major; son of Royce and Barbara Bridgeman, 1034 S. Armstrong, Kokomo; 1985 graduate of Kokomo High School

LAPORTE
Michael Bell, mechanical engineering major; son of Richard and Carole Bell, 6366 N. Range Road, LaPorte; 1985 graduate of Michigan City Rogers High School

MUNSTER
Paul Rakos, chemical engineering major; son of Robert and Loretta Rakos, 8048 Howard Ave., Munster; 1985 graduate of Munster High School

SELLERSBERG
Phillip Eckert, mechanical engineering major; son of John and Mary Eckert, 303 N. Indiana Ave., Sellersberg; 1985 graduate of Silver Creek High School

SHOALS
Jeffrey Pickett, electrical engineering major; son of Fremont and Mitzie Pickett, P.O. Box 126, Shoals; 1985 graduate of Shoals High School

WEST LEBANON
Roger Norris, chemical engineering major; son of Mrs. Lena Norris, Box 406, West Lebanon; 1985 graduate of Seeger Memorial High School
Douglas Weiser, computer science major; son of Bill and Karen Weiser, 4115 62nd St. W., Bradenton; 1985 graduate of Manatee High School

Clark Pentico, physics major; son of Arthur and Pao-Chu Pentico, 120 Carrie Drive, Mountain Home; 1985 graduate of Mountain Home High School

Timothy Presley, electrical engineering major; son of Frank and Joyce Presley, 6013 Keyser Lane, Frederick; 1985 graduate of Gov. Thomas Johnson High School

David Stoeckel, chemistry major; son of Charles and Margaret Stoeckel, 10104 Buffton Drive, St. Louis; 1985 graduate of St. Louis Prep South

William Reid, physics major; son of Richard and Colleen Reid, Route 4, Bramblewood Hts., Marietta; 1985 graduate of Warren High School

Raymond Urbanic, computer science major; son of Robert and Alberta Urbanic, 9331 Vintage Ct., Mentor; 1985 graduate of Lake Catholic High School

Dwight Weese, electrical engineering major; son of James and Janice Weese, 52755 Howard Lane, LaPine; 1985 graduate of LaPine High School

Dale Stevenson, physics major; son of Raymond and Hazel Stevenson, 447 Schoolhouse Road, New Providence; 1985 graduate of Solanca High School

Dervis E. Scheib, Jr., electrical engineering major; son of Dervis and Nancy Scheib, 975 York Haven Road, York Haven; 1985 graduate of Northeastern High School
ROSE-HULMAN SELECTS SWANK AS SOPHOMORE ADVISER FOR 1987-88

TERRE HAUTE, Ind. -- Kenneth Swank, son of Robert and Theresa Swank, R.R. 24, Box 3, Terre Haute, is one of 20 students at Rose-Hulman Institute of Technology to be selected as a Sophomore Adviser for the 1987-88 academic year.

The job of a Sophomore Adviser is to provide positive influence for the freshman student at Rose-Hulman, assisting the student with social, emotional and educational growth. Sophomore Advisers are chosen on their ability to accept responsibility, to communicate and relate to other students, to act as a resource person, and to provide effective role models.

To be eligible for a Sophomore Adviser position, a student must have completed a minimum of 45 quarter hours or a maximum of 89 quarter hours, be in good academic standing, lived in a residence hall for at least one full quarter, and be in good conduct standing.

A Sophomore Adviser assists the Resident Assistant and works on a voluntary basis.

(more)
"We have more applicants for the job than we do positions available," said Tom Miller, assistant dean of students and coordinator of the program. "That tells me that sophomores feel they were helped by the program and in turn want to provide similar assistance to new students."

Swank, a chemical engineering major, is a 1985 graduate of Terre Haute South Vigo High School.
HARGIS WINS COSIDA WRITING AWARD

TERRE HAUTE, Ind.--Joe Hargis, assistant director of college relations at Rose-Hulman Institute of Technology, has been named an award winner in a writing contest sponsored by the College Sports Information Directors of America (COSIDA).

A feature about three-time NCAA javelin champion Chris Trapp, who graduated last year from Rose-Hulman, was selected as the best player/coach feature story in COSIDA District Five. Other winners in the district competition included entries from the University of Notre Dame, Marquette University, and Northern Illinois and Southern Illinois universities.

Hargis' entry will now be eligible for national honors.
ROSE-HULMAN HONORS STUDENT-ATHLETES AT BANQUET

TERRE HAUTE, Ind. -- (STUDENT-ATHLETE FROM YOUR AREA: SEE ATTACHED LIST) was one of over 20 student-athletes receiving a special award recently at Rose-Hulman Institute of Technology's annual Spring Sports Banquet.

Awards were presented to the top senior athletes, the top scholar-athlete, the senior demonstrating the most sportsmanship, and the captains in each of Rose-Hulman's various sports.

Also presented at the banquet were most valuable player and other miscellaneous awards in the college's four spring sports - baseball, golf, tennis and track and field - and three winter sports - basketball, wrestling and rifle.

Rose-Hulman is a member of the NCAA Division III College Athletic Conference (CAC) with Centre College, Fisk University, the University of the South, Rhodes College and Earlham College.

This year Rose-Hulman captured the President's Trophy, a 300-pound railroad bell awarded annually to the CAC member that is the overall conference champion.
The champion is determined on the basis of placement in each conference sport. Rose-Hulman has won the President's Trophy the past three years and eight times since it joined the league in 1975.

The track and field team won the CAC championship for the ninth consecutive year; the golf team won its second straight conference championship; the baseball team tied for first in the CAC; and the tennis team finished third in the conference.

In winter sports, the basketball team finished the season with a 13-13 record for fifth place in the conference with a 4-6 mark: the wrestling and rifle teams do not compete for CAC championships.

In fall sports, the football team won the CAC with a 4-0 record; the cross country team finished first in the CAC; and the soccer team finished in third place in the conference.

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ROSE-HULMAN HONORS STUDENT-ATHLETES -- ADD ONE

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In fall sports, the football team won the CAC with a 4-0 record; the cross country team finished first in the CAC; and the soccer team finished in third place in the conference.

-30-
INDIANA

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ANDERSON
John Puckett, junior; chemical engineering major; son of Jack and Marcia Puckett, 1804 Raintree Drive, Anderson; 1984 graduate of Anderson High School; Captain's Award for tennis

ATTICA
Jeff Rea, senior; mechanical engineering major; 1983 graduate of Attica High School; son of James and Jane Rea, formerly of Attica; received Captain's Award for basketball

BEECH GROVE
Dennis Aldridge, senior; electrical engineering major; son of Richard and Beverly Aldridge, 110 S. 17th, Beech Grove; 1983 graduate of Beech Grove High School; Captain's Award for golf

BOONVILLE
James Yoakum, senior; mechanical engineering major; 1983 graduate of Boonville High School; son of Raphael Jr. and Ruby Yoakum, 507 N. 8th Street, Boonville; received High Batting Average Award for baseball (.379)

BRAZIL
Thomas Craig, freshman; mechanical engineering major; 1986 graduate of Northview High School; rifle team's Outstanding Freshman Award for 219 average

CARMEL
Brian Glaze, senior; civil engineering major; son of Larry and Nancy Glaze, 307 Lexington Blvd., Carmel; 1983 graduate of Carmel High School; Captain's Award for baseball

ELKHART
Chris Cook, junior; electrical engineering major; son of Gilford and Judy Cook, 1026 Bower Street, Elkhart; 1984 graduate of Elkhart Memorial High School; Sprint Captain for track

GOSHEN
Wes Davis, senior; electrical engineering major; 1983 graduate of Goshen High School; son of Mr. and Mrs. LaMar Davis, 921 Georgia Road, Goshen; co-winner of Samuel Hulbert Award for spirit, sportsmanship and determination; also won wrestling team's Most Valuable Wrestler Award for the third consecutive year and award for Most Take Downs (33) for the third consecutive year; had 15-2 record in the 150-pound class
HUNTINGBURG
Ron Steinhart, freshman; mechanical engineering major; son of Sue Steinhart, R.R. 2, Huntingburg; 1986 graduate of Southridge High School; basketball award for Most Assists (66)

NEW WHITELAND
William Sears, senior; physics major; son of Charles and Elfriede Sears, 551 Mooreland Drive, New Whiteland; 1983 graduate of Whiteland Community High School; co-recipient of Ruel Fox Burns Blanket Award, given annually to the senior or seniors who contribute the most to Rose-Hulman athletics during their career; also Most Valuable Sprint Runner Award and High Point Award for track

N. MANCHESTER
Doug Underwood, junior; chemical engineering major; 1984 graduate of Manchester High School; son of Harvey and Helen Underwood, Rt. 3, Box 84, North Manchester; received basketball team's Free Throw Award (80 percent)

PLAINFIELD
Jeffrey Janik, junior; electrical engineering major; son of Monte and Carolyn Janik, 1344 Moon Road, West Drive, Plainfield; 1984 graduate of Plainfield High School; Captain's Award for rifle

RUSHVILLE
Bruce Fenimore, senior; civil engineering major; son of H. Leslie and J. Ann Gilkey Fenimore, Rte. 4, Box 28, Rushville; 1983 graduate of Rushville Consolidated High School; co-recipient of Ruel Fox Burns Blanket Award, given annually to senior or seniors who contribute the most to Rose-Hulman athletics during their career

SOUTH BEND
Joe Witulski, junior; mathematics major; son of Edmund and Marilyn Witulski, 21336 Wake Robin Ct., South Bend; 1984 graduate of South Bend LaSalle High School; Lowest Earned Run Award for baseball (2.59)

THORNTOWN
Chad Beesley, senior; mathematics major; son of Clifford and Nancy Beesley, 125 N. Market St., Thorntown; 1983 graduate of Western Boone High School; Most Valuable Player Award for tennis
ILLINOIS
—East Peoria
Bruce Cluskey, senior; electrical engineering major; 1983 graduate of Metamora High School; son of Mr. and Mrs. Charles Cluskey, 329 Rim Road, East Peoria; Captain's Award for baseball

ROBINSON
Aaron Murray, senior; mechanical engineering major; son of Ron and Barbara Murray, R.R. 3, Box 162, Robinson; 1983 graduate of Robinson High School; Captain's Award for baseball

MARYLAND
—East New Market
David G. Wilson, freshman; mechanical engineering major; son of Richard R. and Lynne C. Wilson, RFD 1, Box 201, East New Market; 1986 graduate of North Manchester High School; received rifle team's Most Improved Shooter Award

MONTANA
—Missoula
John Hanger, senior; electrical engineering major; 1983 graduate of Missoula Hellgate High School; son of John and Joan Hanger, P.O. Box 149, Huson; co-winner of the Samuel Hulbert Award for spirit, sportsmanship and determination; also Most Valuable Field Events for track and Captain's Award for track

NORTH CAROLINA
—Raleigh
Don Boughton, Jr., junior; electrical engineering major; son of Donald and Donnabelle Boughton, 4204 Windsor Place; 1984 graduate of Jesse O. Sanderson High School; Captain's Award for rifle

OHIO
—Kettering
Dan Lemons, junior; electrical engineering major; 1984 graduate of Kettering Fairmont High School; son of Gary and Marilyn Lemons, 4380 Wallington Drive, Kettering; received baseball team's Most Valuable Player Award for his play in the College Athletic Conference tournament

—Lorain
David Urbanek, junior; mechanical engineering major; 1984 graduate of Admiral King High School; son of Mr. and Mrs. Alan Urbanek, 4428 Hickory Hill, Lorain; basketball team's Most Valuable Player (17 points per game) and Rebound Award (191)
Dirk Hall, graduate student; physics major; 1982 graduate of New Richmond High School; son of Donald and Karen Hall, Rte. 1, Box 249, Star Prairie; received rifle team's Most Valuable Shooter Award (263.1 average)
ROSE-HULMAN
INSTITUTE OF TECHNOLOGY

5500 Wabash Avenue, Terre Haute, Indiana 47803 • (812) 877-1511

SPORTS INFORMATION

CONTACT: Joe Hargis FOR RELEASE: May 20 after 1 p.m.

ROSE-HULMAN HONORS LOCAL HIGH SCHOOL SCHOLAR-ATHLETES

TERRE HAUTE, Ind. -- Rose-Hulman Institute of Technology recognized three seniors from the Vigo County high schools Wednesday (May 20) for excellence in academics and athletics.

Honored were West Vigo's Heather Michaels, North Vigo's Timothy Propst and South Vigo's Margaret Gelder. The fifth annual awards luncheon was held in Hulman Memorial Union on the Rose-Hulman campus.

Rose-Hulman established the awards in order to recognize the senior athlete at each of the three high schools who earns the highest grade point average and shows excellence in athletics.

Michaels, daughter of Dr. and Mrs. Robert Michaels, R.R. 13, West Terre Haute, is West Vigo's valedictorian with a 3.982 grade point average. She lettered in swimming and tennis for the Vikings and plans on attending Indiana University.

Propst, son of Mr. and Mrs. Darrell Propst, R.R. 51, Box 107, Terre Haute, is North Vigo's valedictorian with a 4.0 grade point average. He was a varsity letterman in (more)
ROSE-HULMAN HONORS SCHOLAR-ATHLETES -- ADD ONE

swimming and plans to enroll at Wabash College this fall.

Gelder, a letter winner for swimming, is valedictorian at South Vigo with a 4.0 grade point average. She plans to attend Vanderbilt University School of Engineering and major in computer science. She is the daughter of Mr. and Mrs. John Apgar, 1216 Garden Drive West, Terre Haute.

-30-
LASER AND FIBER OPTIC TECHNOLOGY
TO BE FOCUS OF NEW DEGREE PROGRAM

TERRE HAUTE, Ind.--A new undergraduate degree program that will supply future scientists to meet the needs of the rapidly expanding optics industry will be offered for the first time next Year at Rose-Hulman Institute of Technology.

A bachelor of science degree in applied optics was approved Friday (May 22) during a regular meeting of the Rose-Hulman Board of Managers.

Students will be able to enroll in the program, which will be administered through the Department of Physics, beginning Sept., 1988.

Rose-Hulman will become only the second college in the nation to offer such a degree program, according to the college's president, Samuel Hulbert. The University of Rochester is currently offering such a major.

"Some of the most significant technological developments in the world are occurring in the area of applied optics," Hulbert emphasized. "Rose-Hulman intends to be a leader in undergraduate optics education in the 1980s just like the college was a century ago when it granted the nation's first degree in chemical engineering," he said.
Rose-Hulman currently offers a masters degree program in applied optics and is providing Indiana businesses with optics technology services through the Center for Applied Optics Studies, noted Brij Khorana, chairman of the Department of Physics.

"Optics is going to play a pivotal role in the future just as electronics has done in the recent past," he stated.

"Graduates of this type of program will be essential to creating new optics services and products that will increase our productivity at work and improve our way of life at home," Khorana said.

Local students graduating with honors were Bret Marsolf, summa cum laude, of Marksville; and Larry Fellows, magna cum laude, of Farmersburg. Marsolf received a bachelor of science degree in computer science and Fellows received a B.S. degree in chemical engineering.

Nine Vigo County students received degrees. Terre Haute graduates receiving a bachelor's degree were Nathan Boucher, electrical engineering; Christopher Schuller, mechanical engineering; Stephen Uihlein, Jr., computer science; David Hunt, electrical engineering; Mark Mayfield and John Roatker, mechanical engineering; and John Tewksbury, Jr., computer science. Keith Brassell of West Terre Haute received a B.S. degree in chemical engineering while John Tudorwine of Terre Haute earned a master's degree in chemical engineering.
LOCAL AND AREA STUDENTS GRADUATE FROM ROSE-HULMAN

TERRE HAUTE, Ind.--Among 279 students receiving degrees from Rose-Hulman Institute of Technology Saturday (May 23) were 21 local and area students.

Local students graduating with honors were Bret Marsolf, summa cum laude, of Rockville; and Larry Fellows, magna cum laude, of Farmersburg. Marsolf received a bachelor of science degree in computer science and Fellows received a B.S. degree in chemical engineering.

Nine Vigo County students received degrees. Terre Haute graduates receiving a bachelor's degree were Nathan Booher, electrical engineering; Christopher Eckert, mechanical engineering; Stephen Highsmith, Jr., computer science; David Hunt, electrical engineering; Mark Mayfield and John Roetker, mechanical engineering; and John Townsend, Jr., computer science. Keith Brazzell of West Terre Haute received a B.S. degree in chemical engineering while John Todorovic of Terre Haute earned a master's degree in chemical engineering.

(more)
LOCAL GRADUATES -- 2

Brazil graduates included Greg Ankney, and Christopher Meunier, electrical engineering; and Robert Oehler, civil engineering.

Sullivan County students earning undergraduate degrees were Brian McKinley, Carlisle, mechanical engineering; and David Patterson and Stephen Blumbaugh, both of Sullivan, electrical engineering.

David Jones and Robert Pound of Rosedale were awarded degrees in electrical engineering and mechanical engineering respectively.

Illinois graduates included Alan Snedeker, Mattoon; and David Reinbold, Palestine. Both received B.S. degrees in mechanical engineering.

-30-
TERRE HAUTE, Ind.—Five special honors citing academic achievement, teaching and service were awarded Saturday (May 23) during the 109th commencement program at Rose-Hulman Institute of Technology.

Darrel Huff of Danville was the recipient of two of the top awards presented to a graduating senior. Huff and Carl Regenauer of Zion, Ill., were named co-winners of the Heminway Gold Medal awarded each year to the senior graduating with the highest cumulative grade point average. Huff earned a bachelor of science degree in chemistry and will attend medical school at Indiana University. Regenauer, who received a B.S. degree in electrical engineering, has accepted employment with General Electric. Both graduated with perfect 4.0 grade point averages.

In addition, Huff was named the winner of the Herman A. Moench Commendation. The award is presented to an outstanding senior who has displayed exceptional potential for success.

Named the recipient of the John Royse Award was Andrew Jones of Anderson. Jones earned a bachelor of science degree in electrical engineering and has accepted employment with General Motors. The award is given each year to the senior who is con-
sidered to be the outstanding graduate based on academic achievement, student leadership, participation in extra-curricular activities and citizenship.

Named this year's winner of the Dean's Outstanding Teacher Award was Cary Laxer, associate professor of computer science. In addition to teaching undergraduate classes in computer science, Laxer is also director of the college's Retupmoc summer computer program for outstanding high school students. The teaching award is presented each year by Dr. James Eifert, vice president for academic affairs and dean of the faculty.

Donna Gustafson, director of student activities and the Hulman Union, was named the recipient of the President's Outstanding Service Award. Gustafson has been a member of the Rose-Hulman staff since 1977. The honor is presented each year by Rose-Hulman President Samuel Hulbert to a staff member who has shown dedicated service and made significant contributions to the successful operation of the college.

-30-
HUFF AMONG SENIORS RECEIVING AWARDS AT ROSE-HULMAN

TERRE HAUTE, Ind. -- Darrel Huff of Danville received two of three special awards presented annually to outstanding graduating seniors by Rose-Hulman Institute of Technology.

Huff was presented with the Herman A. Moench Commendation for his outstanding campus leadership, character and potential for success, and he was co-recipient of the Hemingway Gold Medal for graduating with the highest cumulative academic average. He earned a perfect 4.0 grade point average and was graduated with a bachelor's degree in chemistry. He plans on attending Indiana University Medical School.

In addition to receiving numerous academic honors, Huff has been active in Rose Christian Fellowship, Drama Club, Pep Band, Orchestra and American Society of Chemical Engineers.

Huff is the son of Larry T. and Dianna L. Huff, 2399 West 50 South, Danville.
JONES AMONG SENIORS RECEIVING AWARDS AT ROSE-HULMAN

TERRE HAUTE, Ind. -- Andrew Jones of Anderson received one of three special awards presented annually to outstanding graduating seniors by Rose-Hulman Institute of Technology.

Jones was presented with the John Tuller Royse Award for outstanding campus leadership, character and potential for success. He received a bachelor's degree in electrical engineering and is employed by Fisher-Guide, a division of General Motors located in Anderson.

In addition to receiving numerous academic honors, Jones also has served as a sophomore advisor, resident assistant, president of Blue Key Honor Fraternity, senior class treasurer and Student Government Representative (four years).

Jones is the son of Fred and Frieda Jones, 3416 E. 38th, Anderson.

Rose-Hulman is a private, engineering and science college with an enrollment of 1,300 students.
REGENAUER AMONG SENIORS RECEIVING HONOR AT ROSE-HULMAN

TERRE HAUTE, Ind. -- Carl T. Regenauer of Zion, Ill., is co-recipient of one of three special awards presented annually to outstanding graduating seniors by Rose-Hulman Institute of Technology.

Regenauer was presented with the Heminway Gold Medal for graduating with the highest cumulative grade point average. He earned a perfect 4.0 grade point average and was graduated with a bachelor's degree in electrical engineering. He is employed by Knolls Atomic Power Laboratory, a division of General Electric located in Schenectady, N.Y.

In addition to receiving numerous academic honors, Regenauer served as the corresponding secretary for Alpha Phi Omega national honor fraternity and was a member of the Residence Hall Association.

Regenauer is the son of Carl E. and Suzanne Regenauer, 40534 Green Bay Road, Zion.

Rose-Hulman is a private, engineering and science college with an enrollment of 1,300 students.
ROSE-HULMAN'S SCOTT JOHNSON SELECTED TO ACADEMIC ALL-AMERICA BASEBALL TEAM

TERRE HAUTE, Ind.—Rose-Hulman Institute of Technology third baseman Scott Johnson of Columbus has been named to the 1987 GTE Academic All-America College Division baseball team.

Johnson, who will be a senior next fall, was voted to the third team by members of the College Sports Information Directors of America (CoSIDA). He was the only player from an Indiana college selected to the first, second or third team of the College Division.

Johnson finished third on the team in batting with a .354 average while maintaining a 3.219 cumulative grade point average as a chemical engineering major. He led the Engineers in at bats (99), hits (35) and runs batted in (28) and hit four doubles, four home runs and one triple. He finished second on the team in total bases with 53.

Rose-Hulman finished the season with a 20-18 record that included a 4-1 mark for a share of the College Athletic Conference title.

(more)
JOHNSON NAMED TO ACADEMIC ALL-AMERICA TEAM -- ADD ONE

Johnson is the third student-athlete at Rose-Hulman to be named to a national Academic All-America team during the 1986-87 academic year. Others receiving the honor were basketball player David Urbanek and football player Greg Kremer.

CONTACT: Joe Margis

FOR RELEASE: Upon receipt
June 1, 1987

TRI-WEST HIGH GRADUATE TO ATTEND ROSE-HULMAN

TERRE HAUTE, Ind. -- Steven Broderick of Pittsboro, a recent graduate ofTri-West Hendricks High School, has announced his intentions to attend Rose-Hulman Institute of Technology next fall and play football for the Fightin' Engineers.

Broderick, a 5-9, 155-pound wide receiver, was a two-year varsity lettermen forTri-West. He was selected All-State by United Press International and was All-suburban, All-county and All-conference as a senior.

"I'm very pleased Steven has selected Rose-Hulman to further his education," said Scott Duncan, head football coach at the engineering and science college. "We feel he will fit in very well academically and athletically."

In addition to his athletic accomplishments, atTri-West, Broderick was a member of the National Honor Society andWho's Who Among High School Students. His intended major at Rose-Hulman is civil engineering. Rose-Hulman is noted for its rigorous academic curriculum in ten engineering and science fields.

(more)
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"I'm very pleased Steven has selected Rose-Hulman to further his education," said Scott Duncan, head football coach at the engineering and science college. "We feel he will fit in very well academically and athletically."

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(more)
TRI-WEST GRADUATE TO ATTEND ROSE-HULMAN -- ADD ONE

The Fightin' Engineer football team finished last season with an 8-2 record that included a 4-0 mark for first place in the College Athletic Conference. Rose-Hulman has had 11 All-America selections and eight Academic All-America picks on the gridiron.

Broderick is the son of Harry and Janice Broderick, R.R. 1, Box 117B, Pittsboro.

-30-

TERMS HANTEX, Inc. -- The works of Brown County artist Kenneth Reeves are featured until June 30 in Moench Hall at Rose-Hulman Institute of Technology.

The exhibit includes drawings made from the aquatint etching process. A line etching is made by drawing the design with a needle on a wax-coated metal plate. When immersed in acid the lines are etched into the metal and will later hold ink when the prints are made.

In addition to etchings, Reeves is also known for his work as a watercolor artist, a printmaker and a landscape painter.

He has exhibited in many regional and national art exhibits and has received numerous merit and purchase awards.

The exhibit is located on the second floor of the A Section of Moench Hall and can be viewed from 8 a.m. until 9 p.m. Monday through Friday.

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TERRE HAUTE, Ind.--The works of Brown County artist Kenneth Reeve are featured until June 15 in Moench Hall at Rose-Hulman Institute of Technology.

The exhibit includes drawings made from the aquatint etching process. A line etching is made by drawing the design with a needle on a wax-coated metal plate. When immersed in acid the lines are etched into the metal and will later hold ink when the prints are made.

In addition to etchings, Reeves is also known for his work as a watercolor artist, a printmaker and a landscape painter.

He has exhibited in many regional and national art exhibits and has received numerous merit and purchase awards.

The exhibit is located on the second floor of the A Section of Moench Hall and can be viewed from 8 a.m. until 5 p.m. Monday through Friday.
FOUR ENGINEERS NAMED TO ALL-CAC BASEBALL SQUAD

TERRE HAVEN, Ind. -- Four Rose-Hulman Institute of Technology baseball players have earned All-Colleage Athletic Conference honors for 1987.

Named to the All-CAC team were: Dan Lemons, senior first baseman from Kettering, Ohio; Kyle Thompson, sophomore second baseman from Boonville; Joe Witulski, senior pitcher from South Bend; and outfielder James Yoakum, a Boonville native and recent mechanical engineering graduate.

Lemons batted .533 (8-for-15) in conference play. He had three doubles, one triple, one home run, 10 runs batted in and scored five runs. For the season, he hit for a .296 average.

Thompson banged out nine hits in 11 at bats for an .818 average that included four walks, a double and five RBI. He hit .344 during the season, fifth-best on the team.

Witulski tossed a one-hit, seven inning shutout against Rhodes College. He finished the season with a team-leading 6-2 record and 2.59 earned run average.

(more)
Yoakum had eight hits in 17 at bats for a .471 average against conference opponents. He scored six runs and had three walks, one double and two RBI. He batted .379 for the season to lead the team in hitting for the second consecutive year.

Rose-Hulman tied for the conference title with a 4-1 record. The Engineers finished this past season with a 20-18 record.
ROSE-HULMAN NAMES ATHLETIC TRAINER

TERRE HAUTE, Ind. -- Rick A. Shaw, a 1981 graduate of Indiana State University and former assistant athletic trainer for the Indiana Pacers, has been named head athletic trainer at Rose-Hulman Institute of Technology.

A graduate of Plainfield High School, Shaw also served as athletic trainer for the San Diego Padres and Pittsburgh Pirates baseball organizations, and most recently was athletic trainer and teacher for the Texas City Independent School District. He was assistant athletic trainer for the Indiana Pacers in 1980-81.

Shaw received a Masters of Sports Science degree from the United State Sports Academy in 1986. As an undergraduate at ISU from 1975-80, he served as assistant athletic trainer, head basketball manager and administrative assistant coach for the Sycamores. He begins his duties at Rose-Hulman on July 1, replacing Til Panaranto, who retired recently after 24 years of service as athletic trainer at Rose-Hulman.

-30-
MOORE NAMED CHAIRMAN OF CHEMICAL ENGINEERING DEPARTMENT

TERRE HAUTE, Ind.--Noel Moore, professor of chemical engineering at Rose-Hulman Institute of Technology, has been selected as the new chairman of the college's Department of Chemical Engineering, according to Rose-Hulman President Samuel Hulbert.

Moore will succeed Professor Sam Hite who has been chairman for the past 21 years. The appointment is effective July 1.

Hite will remain as a member of the faculty. He is being honored by his colleagues with the creation of the Sam C. Hite Award which will be given each year to an outstanding senior chemical engineering major.

A member of the Rose-Hulman faculty since 1968, Moore has been honored for his teaching and was responsible for establishing the process control and instrumentation courses in chemical engineering at Rose-Hulman. Moore has received the Rose-Hulman Dean's Outstanding Teaching Award and the Inland Steel-Ryerson Foundation Outstanding Teacher Award.

He has also served as director of graduate studies and research and has been the faculty representative to the Board of Managers, the college's governing body.

(more)
He received his bachelor's degree in chemical engineering from Purdue University, his master's from Massachusetts Institute of Technology and his Ph.D. from Purdue. He is also a registered professional engineer in Indiana.

His industrial experience has included work with Procter and Gamble, Standard Oil of Ohio, Humble Oil Co., and DuPont.
TERRE HAUTE, Ind.--Joe Hargis, assistant director of college relations at Rose-Hulman Institute of Technology, is among the 15 winners of national writing awards presented by the College Sports Information Directors of America (COSIDA).

Hargis placed third in the player/coach feature category of the contest which was open to all 1,300 COSIDA members.

The award-winning entry was a story Hargis wrote about three-time NCAA javelin champion Chris Trapp, who graduated last year from Rose-Hulman. The story was earlier chosen as the best Player/coach feature story in COSIDA District Five.

Other national winners included entries from the universities of Florida, Virginia, Louisville, Southern Illinois and Northern Illinois University.
TONY HULMAN GEORGE NAMED TO
ROSE-HULMAN BOARD OF MANAGERS

TERRE HAUTE, Ind.-- Anton "Tony" Hulman George, the grandson of one of the major benefactors to Rose-Hulman Institute of Technology, has been selected as the newest member of the college's Board of Managers, the governing organization for the institution.

George, who is executive vice president of the Indianapolis Motor Speedway Foundation, is the grandson of Mary Fendrich Hulman and the late Anton Hulman, Jr. He is the son of Mari Hulman George of Terre Haute.

The appointment is effective immediately.

The Hulman family has been instrumental in the development of Rose-Hulman for the past 70 years.

George is a graduate of Indiana State University and serves on the board of directors of the Terre Haute First National Bank and First Financial Corp., the United States Auto Club and the ISU Foundation.

In 1917, George's great grandfather and great uncle, Anton Hulman, Sr. and Herman Hulman, Jr. donated 123-acres that was to become the new campus for Rose Polytechnic Institute. The college moved to its present location in 1922.

(more)
In 1970, Mary and Anton Hulman, Jr. donated the assets of the Hulman Foundation to Rose. A short time later the college's name was changed to Rose-Hulman Institute of Technology to reflect the generous contributions of its two major benefactors. Chauncey Rose, a pioneer industrialist and entrepreneur, founded the Institute in 1874.
TERRE HAUTE, Ind.--High school seniors interested in learning more than just the basics about computer programming can apply now for a two-week computer course scheduled June 28-July 10 at Rose-Hulman Institute of Technology.

Assembler 8088 advanced computer programming will be the focus of the second session of Retupmoc, a summer computer course for academically talented high school students.

"Most high school students interested in computers already have a knowledge of BASIC language. Our course will take the student a step further in his ability to use personal computers and microprocessors," explained Cary Laxer, associate professor of computer science, who teaches the Retupmoc classes.

Students will be introduced to the architecture of the 8088 microprocessor, binary and hexadecimal number systems, accumulators, registers, addressing modes, status flags and instructions implemented by the 8088 CPU. Programming projects will be done on IBM Personal Computers and will look at arithmetic operations, keyboard and terminal I/O, and data encryption.

(more)
ROSE OFFERS SUMMER COMPUTER PROGRAM -- 2

Previous programming experience in any high-level language such as BASIC, FORTRAN or Pascal is required of students enrolling.

Two quarter hours of college credit can be earned by participants who complete the requirements of the program, said Tom Miller, assistant dean of students and coordinator of summer programs.

Enrollment is limited and students who are interested in the program should contact Miller at the Rose-Hulman Office of Admissions, 5500 Wabash Ave., Terre Haute, Ind. 47803 or by calling 877-1511.

-30-
BRIAN MAJOR NAMED OUTSTANDING COLLEGE STUDENT

TERRE HAUTE, Ind. -- South Bend native Brian P. Major, a senior at Rose-Hulman Institute of Technology, has been selected as an Outstanding College Student of America (OCSA).

Major received the honor in recognition of his outstanding merit and leadership qualities as a college student. He is active in intramural sports, American Society of Mechanical Engineers and Alpha Tau Omega Social Fraternity at Rose-Hulman.

As a new inductee to OCSA, Major will be listed along with his credentials in the 1987 OCSA Directory. He will also be eligible for several scholarships including two $5,000 scholarships available to OCSA members.

Rose-Hulman, located in Terre Haute, is a private science and engineering college with an enrollment of 1,300 students.
GRADUATING CLASS OF 1987

TERRE HAUITE, Ind.--Rose-Hulman Institute of Technology conferred degrees to approximately 280 students recently at the college's 109th commencement exercise.

Students from your area who have received degrees are listed with their degree and other information regarding campus activities and honors.

Rose-Hulman is an all-male engineering and science college with an undergraduate enrollment of 1,300 students.

The college's student body ranks among the most academically talented in the nation. The typical Rose-Hulman student ranked in the top five percent of his graduating high school class. One out of nine students is the winner of the prestigious National Merit Scholarship.

-30-

Note that the following symbols represent specific degree areas:

- CE - civil engineering
- CH - chemical engineering
- CM - chemistry
- CS - computer science
- EC - economics
- EE - electrical engineering
- MA - mathematics
- ME - mechanical engineering
- PH - physics
RETUPMOC AT ROSE-HULMAN -- Steven Feller (seated) of Decatur receives instructions about PASCAL computer programming during the annual Retupmoc summer program at Rose-Hulman Institute of Technology in Terre Haute, Ind. He is the son of Ronald and Jacqueline Feller, R.R. 4. Feller, a senior at Adams Central High School, was one of 35 outstanding high school students from across the nation selected to participate in the college's two-week summer computer program. Cary Laxer (standing), a member of the Rose-Hulman computer science faculty, taught students new ways to improve their computer skills. Upon completion of the program, each student receives two quarter hours of college credit. Rose-Hulman is a private engineering and science college.

-30-
TERRE HAUTE, Ind. -- Former Casey, Ill., resident Mike Webster, a sophomore guard at Rose-Hulman Institute of Technology, has been declared the NCAA Division III record-holder for most three-point shots made in a game, the NCAA announced recently.

Webster hit 12 three-pointers last season in a 76-72 loss to Eureka College in the championship game of the Rose-Hulman Invitational. He was 12-of-20 from three-point range against Eureka and scored 38 points - ninth highest single game point total in Rose-Hulman history. He canned five consecutive three-pointers during the game and hit eight in a 10-minute stretch.

For the 1986-87 season, Webster hit 62-of-143 three point shots (.434 percent) and averaged 11.7 points per game - third-best on the team.

Webster, a mechanical engineering major, is the son of Michael and Deborah Webster, of Terre Haute.
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Webster, a mechanical engineering major, is the son of Michael and Deborah Webster, of Terre Haute.
HULBERT GUEST SPEAKER AT EAST
ASIAN MEDICAL, EDUCATION CENTERS

TERRE HAUTE, Ind.—Rose-Hulman Institute of Technology
President Samuel F. Hulbert will discuss the latest developments
in biomedical engineering with medical and education officials in
four East Asian nations July 11-28.

Hulbert, who is internationally-known for his research in
the use of ceramics and carbons to create artificial body parts
such as hips and teeth implants, has been invited to address
officials in China, Japan, Singapore and Hong Kong.

He will discuss current worldwide research efforts and
developments in the use of specific materials to create
prosthetic devices and artificial organ components. In addition,
he will meet with education leaders to discuss progress in
engineering education in each nation.

Hulbert said the lecture tour will also provide an opportunity
to acquire information that will be used to further develop Rose-
Hulman's East Asian Studies Program.

Honored by European scientific societies for his work in
biomedical engineering, Hulbert is the author of more than 200
(more)
publications in the field of biomaterials. He was chosen to be
the chairman of the Second World Congress on Biomaterials in 1984
and he is one of the founders of the Society for Biomaterials.

His East Asian tour is being sponsored by CarboMedics, Inc.,
of Austin, Texas, one of the world's leading producers of heart
valve components.
HARTL EXHIBIT ON DISPLAY
AT ROSE-HULMAN

TERRE HAUTE, Ind.—Watercolor, oil and pencil originals by Terre Haute artist Coral Hartl are currently on display in Moench Hall at Rose-Hulman Institute of Technology.

The exhibit, which will be on display until Sept. 1, includes portraits, city scenes and still-life paintings and sketches.

"My intent is to keep my work simply and easy to view," Hartl explained. "My subjects are varied because I'm still exploring as an artist," she said.

Hartl has received awards from the Wabash Valley Art Guild and for her works that were included in an art show in Paris, Ill. An art education graduate from Kansas State University, she has exhibited paintings during the Wabash Valley Festival and the local Art in the Park program.

The latest exhibit, which is located on the main floor of Moench Hall, can be viewed Monday through Friday from 8 a.m. until 5 p.m.
CONTACT: Joe Hargis

FOR RELEASE: Upon receipt
July 14, 1987

AT OPERATION CATAPULT -- Jon Beams (left) of Churubusco makes an adjustment on a project during Operation Catapult, a summer program in engineering and science at Rose-Hulman Institute of Technology in Terre Haute, Ind. Beams and Brian McGlynn (right) of West Carrollton, Ohio, were among 84 academically talented high school students invited to the three-week program. The students work directly with Rose-Hulman professors on various projects including the one pictured which resulted in a new design for a hovercraft. Beams, a senior at Canterbury School, is the son of John and Beth Beams, 7326 Greenwell Road, Churubusco.

-30-
RETUPMOC AT ROSE-HULMAN--Brent Bowen (seated) of Coatesville receives instructions about Assembler 8088 computer programming during the Retupmoc summer program at Rose-Hulman Institute of Technology in Terre Haute, Ind. He is the son of Richard and Beverly Bowen, R.R. 1. A senior at Cascade High School, Bowen was one of 24 outstanding high school students from across the nation selected to participate in the college's two-week summer computer program. Cary Laxer (standing), a member of the Rose-Hulman computer science faculty, taught students new ways to improve their computer skills. Upon completion of the program, each student receives two quarter hours of college credit. Rose-Hulman is a private engineering and science college.
TERRE HAUTE, Ind.--_________ (student) of (your city) has been named to the dean's list for the spring quarter of the academic year at Rose-Hulman Institute of Technology. ________, son of ________________, was among 399 undergraduate students who earned at least a 3.3 grade point average (on a 4.0 scale), according to Jess R. Lucas, vice president for student affairs.

Rose-Hulman has an enrollment of 1,300 students. One out of five students ranked in the top three positions of his graduating high school class. One in 10 is the winner of a National Merit Scholarship and the median Rose-Hulman student ranked in the 95th percentile of his high school class.

The college offers degrees in chemical, civil, electrical and mechanical engineering, chemistry, computer science, economics, mathematics and physics.

-30-

Note that the following symbols represent specific degree areas:

CE -- civil engineering
CH -- chemical engineering
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CS -- computer science
EC -- economics
EE -- electrical engineering
MA -- mathematics
ME -- mechanical engineering
PH -- physics

Institute of Technology
5500 Wabash Ave., Terre Haute, IN 47803 • (812) 877-1511

CONTACT: David Piker

FOR RELEASE: Upon Receipt
July 20, 1987
JOE DAVIS HONOURED WITH LEO A. CODD MEMORIAL AWARD

TERRE HAUTE, Ind. -- Army Capt. Ira Joe Davis, assistant professor of military science at Rose-Hulman Institute of Technology, has been honored as one of the nation's top ROTC instructors.

Davis recently received the Leo A. Codd Memorial Award, presented annually to the outstanding senior ROTC instructor in each branch of the armed forces. The award is given by the American Defense Preparedness Association (ADPA) and consists of a U.S. Government Savings Bond, an engraved plaque commemorating his award, and a one-year membership to the ADPA.

Davis was selected for the award on the basis of his teaching, counseling and leadership abilities. He became eligible for the national award after being selected the Most Outstanding Army ROTC Instructor for the Second Region.

Davis is a 1978 graduate of the University of Alabama where he received a civil engineering degree.

-30-
ICH GRANT WILL CREATE JAPANESE FILM SERIES

TERRE HAUTE, Ind.—A film series intended to create a better understanding of Japanese culture and traditions will be offered this fall as the result of a $4,698 grant from the Indiana Committee for the Humanities.

Six films will be featured in the series which is entitled, "Japanese Values: Continuity and Change."

The series will begin Sept. 20 with the showing of "Ran." Other films tentatively scheduled are "Utamaro and his Five Women," Sept. 27; "The Makioka Sisters," Oct. 18; "Gishiki (Ceremony)," Nov. 1; "The Family Game," Nov. 15; and "Ohayo (Good Morning)," Dec. 6.

"Ran" will be shown at 2 p.m. at the Community Theatre of Terre Haute. All other films will be shown at 2 p.m. at the Sheldon Swope Art Gallery.

The series is free and open to the public.

Sponsors of the program are Rose-Hulman Institute of Technology and Indiana State University. It is co-sponsored by the Sheldon Swope Art Gallery and the Vigo County Public Library.

Organizers of the series say the films have been chosen to (more)
reflect several centuries of Japanese history and culture so the
variety of life which exists within Japanese society can be shown.

Information about each film will be provided prior to each
showing. ISU or Rose-Hulman faculty will lead group discussions
about each program at the conclusion of the film.

Planning the series are Tomoko Hamada, director of the Rose-
Hulman East Asian Studies Program; Barbara Ito, assistant pro-
fessor of anthropology and Asian Studies, Rose-Hulman; Peter
Murray, assistant professor of history, ISU; Peter Parshall, head
of the Rose-Hulman Division of Humanities, Social and Life
Sciences and professor of comparative literature; Sharon Russell,
Professor of communication, ISU; and Georgeanna Tryban, assistant
Professor of sociology, ISU.

-30-
TERRE HAUTE, Ind. -- Britt Petty, a recent graduate of Terre Haute North Vigo High School, has announced his intentions to attend Rose-Hulman Institute of Technology and play basketball for the Fightin' Engineers.

Petty, a 6-4 forward, was a three-year starter for North Vigo. He averaged 14.9 points per game last season and 16.8 points per contest as a junior in helping the Patriots win back-to-back sectional titles.

Last season, North Vigo captured the Terre Haute Regional championship and finished with a record of 24-2. Heading into tournament play, the Patriots owned a 22-game win streak - the longest in the state at that time.

"Britt is a pure shooter, something we really need from our forwards," said John Mutchner, head coach at the engineering and science college. "He received excellent instruction from Coach Jim Jones at North Vigo.

"We're looking forward to having him as a member of our team. I'm always glad to have a local young man in our program. I'm sure a lot of North fans will come out to see him perform next season."
PETTY TO ATTEND ROSE-HULMAN -- ADD ONE

Petty plans to major in mechanical engineering or civil engineering at Rose-Hulman. He is the son of Mr. and Mrs. Stan Petty of Terre Haute.

-30-
CONTACT: Joe Hargis

FOR RELEASE: Upon receipt
August 3, 1987

AT OPERATION CATAPULT -- Newton Agrawal (sitting, front) of Norman, Okla., works on a project during Operation Catapult, a summer program in engineering and science at Rose-Hulman Institute of Technology in Terre Haute, Ind. Agrawal, Robert Ko (standing at right) of San Dimas, Calif., and M. Lynn Owens (standing at left) of Tallahassee, Fla., were among 84 academically talented high school students invited to the three-week program. The students work directly with Rose-Hulman professors like John H. Derry (sitting, back), professor of electrical engineering, on various projects including the one pictured which resulted in a new design for a transistor amplifier. Agrawal, a senior at Norman High School, is the son of Kris and Nina Agrawal, 1111 Lincoln Green, Norman.

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