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Rose-Hulman Scholar

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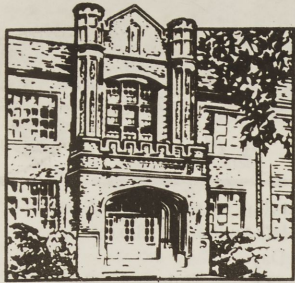
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THE ROSE THORN

Vol. 32, No. 7

Rose-Hulman Institute of Technology

Friday, Oct. 25, 1996

FCSEC part of new ME curriculum

by Peter Anderson
Thorn Reporter

The mechanical engineering department has been developing a new curriculum for next year's incoming freshman class. Changes will not effect current students.

The only confirmed revision to the curriculum is that, starting with next year's freshman, the Foundation Coalition Sophomore Engineering Curriculum (FCSEC) will be required for mechanical engineers. The move to Foundation Coalition has many reasons.

Don Dekker, professor of mechanical engineering, said, "I think the arrangement of classes [in FCSES], the way they are trying to teach some of the things, is a good way to do

things."

Robert Steinhauser, chairman of the mechanical engineering department, said, "Hopefully by doing the Foundation Coalition, we will have teams of mechanical and electrical engineers working on the same project, which is what they are going to see in industry."

Dekker added, "There was some thought that mechanical engineers and electrical engineers should be in the same curriculum so they could work together on the same project and get a little bit of interdisciplinary experience."

Other changes that have been proposed include making some mechanical engineering courses that are currently four credits into three credit

courses and restructuring some of the classes. If courses are changed to three credit courses, two possible schedules have been discussed.

Steinhauser explained, "The thought now is to look at courses that would meet three days a week, Monday-Wednesday-Friday, and courses that would meet for a period and a half Tuesday and Thursday."

One of the major reasons for wanting to reduce credits on some courses is to allow students to take more electives.

Dekker said, "Most of us are trying to reduce the number of required courses, or at least the number of hours, so there is more room for students to take electives."

Since the mechanical engineering

department has decided to adopt the foundation coalition curriculum for the sophomore year, the department must implement scheduling changes in the entire curriculum.

Statics, mechanics of materials and materials engineering courses might be combined as a new three course sequence because they all cover related topics.

In addition, design classes may be added to the sophomore and junior years of the mechanical engineering curriculum.

Dekker said, "We're going to have to get more design in the sophomore and junior years to accommodate the new ABET accreditation standards."

Steinhauser added, "We started at the top and decided what we wanted

our students to have when they graduated, what skills we wanted them to possess, then made the changes necessary to move towards that."

Mechanical engineering professors stressed that curricular changes will not affect anyone who is currently a student, and that most of the possibilities being considered by the curriculum committee are not definite and are still being researched and discussed.

Steinhauser noted, "This year's freshman have the option of taking the sophomore curriculum. We will probably try to encourage more of the present freshman to take the sophomore curriculum."

New chef served Colin Powell, Deng Xiaoping

by Chris Prince
Thorn Reporter

Pat Kelley, the new Aramark catering chef at Rose-Hulman served many celebrities while working at the Pentagon.

Kelley, a 39-year-old graduate of Terre Haute South High School, started his career in cooking during high school, when he worked at Red Lobster.

In 1976, Kelley enlisted in the Indiana National Guard, and in 1979 went into active duty for the United States Army as a cook.

He was stationed at Fort Gordon, Georgia, where he was chosen to be on a culinary arts team. From this team, Kelley was chosen to represent Fort Gordon in the U.S. Army Culinary Olympics at Fort Lee, Virginia, where he took first place in a field of 70 for cooking the best seven course meal in four hours.

Kelley's talent earned him a position as a chef in the Pentagon, serving Secretary of Defense Casper Weinberger.

His cooking position allowed him to meet a great number of influential leaders.

Among those he has cooked for include Pope John Paul II, Prince Charles and Lady Diana, King Hussein of Jordan, Clint Eastwood, the Dallas Cowboys Cheerleaders, President and Mrs. Reagan, and President Marcos of the Philippines.

In 1981, Kelley came to know General Colin Powell, and predicted that he "would be the first black president."

He also served President Anwar Sadat of Egypt two days before his assassination on October 6, 1981.

However, his most interesting visit was from Deng Xiaoping, a paramount communist leader of the Peoples Republic of China. On the evening of Deng's visit, Kelley served châteaubriand, a thick beef fillet cut from the center of the tenderloin.

Kelley explained, "[Deng] was the most hilarious person I ever had to deal with. [The châteaubriand] weighed about 30 or 40 pounds, and [Deng] was picking through it."

As chef, Kelley was also responsible for tending to the needs of the head table. When the evening was concluded,

Kelley had Deng's coat ready. Deng shook Kelley's hand and thanked him for the meal, but declined to acknowledge George Bush or the Secretary of State.

Kelley added, "They all just stared at me after he left."

While at the Pentagon, Kelley started the Pentagon Culinary Arts Team, which won three gold, one silver, and two bronze medals in four years of the U.S. Culinary Olympics. In 1982, Kelley led the first American military team to win the International Culinary Olympics in Munich.

Kelley participated in an exchange program for nine months involving the Army and the Culinary Institute of America, a prestigious cooking school in Hyde Park, New York. While there, he received the equivalent of two years of training.

In 1984, he left the army and went back to Red Lobster, this time as a manager. In 1988, he decided to move to Florida, but in April 1994 moved back to

See "CHEF"
page 3



New Aramark catering chef, Pat Kelley once worked as a chef at the Pentagon where he served Washington leaders and celebrities.
Photo by Mike Kosloski

Rose to host NSF/ABET sponsored conference

by Peter Anderson
Thorn Reporter

A working symposium on "Best Assessment Processes in Engineering Education" is scheduled for April 11-12, 1997.

The symposium is sponsored by the National Science Foundation (NSF), Accreditation Board of Engineering and Technology (ABET), and Rose-Hulman Engineering Education Coalitions. The symposium will be comprised of lectures and interactive workshops with handouts that participants may keep as reference material.

The symposium will provide an opportunity for engineering educators to interact with those who have been implementing assessment processes

in engineering education. The sessions will cover processes to assess specific student outcomes as well as assessment plan development, techniques of survey construction, design of interview protocols, and conducting focus groups.

The proposed ABET Criteria 2000 has heightened the interest in assessment of engineering education. According to the proposed Criteria 2000, which will be initiated in the fall of 2001, each institution seeking accreditation must have detailed objectives and an ongoing evaluation system that demonstrates continuous achievement of these objectives.

The results of the program must be fully documented. Evidence must be

given that the results are applied to the further development and improvement of the program. The assessment process must demonstrate that the outcomes important to the mission of the institution and the objectives of the program are being measured.

Evidence of goal achievement may include, but is not limited to, student portfolios and design projects, nationally normed content examinations, alumni surveys that document professional accomplishments and career development activities, employer surveys, and graduate placement data.

Gloria Rogers, symposium coordinator and dean for institutional research and assessment, said about the symposium, "It began as a conver-

sation I had over lunch with a couple of colleagues from Colorado School of Mines about a real need for assessment in engineering education. It also came at a time when there was talk on campus about needing to heighten the national awareness of Rose-Hulman."

Rogers added, "The primary goal is to provide engineering educators with tools they can use to determine whether or not their academic programs are meeting the goals that they have for students."

Some of the topics to be covered in interactive workshops are assessment plan development; how to develop and use surveys, questionnaires, portfolios and focus groups; data analysis; qualitative and quantitative methods

of data analysis; successful feedback processes; and report productions.

Rogers is expecting over 300 institutions, some from as far away as Puerto Rico, to be represented at the symposium. She added, "For us, it is going to be a real case of logistics. There will be 10 to 15 concurrent sessions, so its going to be a real challenge to schedule everything."

Rogers said, "We think it will be an excellent opportunity to show off our new facilities. This will give a lot of people who are interested in what is going on at Rose-Hulman a really good excuse to come visit. The fact that this is an issue that engineering programs are going to have to be dealing with is a bonus."



Gatherings



- Fri., Oct. 25 — Admissions' On-Campus Visitation Day, 1-4:30 p.m.
- Fri., Oct. 25 — InterVarsity Christian Fellowship Large Group, Faculty Dining Room, 6:45 p.m.
- Fri., Oct. 25 — Fall Meeting, Indiana Section Of The Mathematical Association of America:
 * Colloquium, "Symmetry And Structure: Properties Of Vertex-Transitive Graphs," Prof. Laszlo Babai Of The University Of Chicago And Eotvos University, E-104, 3:30 p.m.
 * "Project NExT-IN" Workshops, North Room, All Day
- Fri., Oct. 25 — Master's Thesis, "Harmonic Modeling Of Balanced Three-Phase Power Systems Via The Method Of Symmetrical Components And Current Injection," Mitchell Landess, B-109, 2:45 p.m.
- Fri., Oct. 25 — Alcohol Awareness Program, "Flaming Desserts" (ARAmark Will Serve Prior To Evening Meal), Main Dining Room, 5 p.m.
- Sat., Oct. 26 — Fall Meeting, Indiana Section Of The Mathematical Association of America:
 * Registration, Moench Hall, 8 a.m.
 * Welcome Address, Dr. Hulbert, E-104, 9 a.m.
 * Presentation, "The NP-Complete Story," William Marion of Valparaiso University, E-104, 9:10 a.m.
 * Contributed Paper Sessions, E-104/G-315, 10:05-10:30 a.m.
 * Break/Book Sale, E-204, 10:30 a.m.
 * Contributed Paper Sessions II, E-104/G-315/G-317, 11-11:30 a.m.
 * Contributed Paper Sessions III, E-104/G-315/G-317, 11:30 a.m. to Noon
 * Luncheon, Hulman Union, 12:05 p.m.
 * Presentation, "Lower Bounds And Lovely Mathematics In Combinatorial Models Of Computation," Laszlo Babai, 1:45-2:45 p.m.
- Sat., Oct. 26 — United Ministries Center's Habitat For Humanity Service Project, 9:30 a.m. to 4 p.m.
- Mon., Oct. 28 — Quarterback Club Luncheon, North Room, Noon
- Tue., Oct. 29 — Institute Meeting, E-104, 4:20 p.m.
- Tue., Oct. 29 — Biomedical Engineering Seminar, John Bizal (M.D.), O-103, 10:50 a.m.
- Tue., Oct. 29 — Women's Club Reception For Female Students, North Room, 6:30 p.m.
- Wed., Oct. 30 — President's Administrative Council, North Room, 8 a.m.

- Thur., Oct. 31 — Army ROTC Fall Awards Parade, 5:30 p.m.
- Fri., Nov. 1 — Academic Affairs Meeting, Faculty Dining Room, 4:30 p.m.
- Kanazawa Institute of Technology/RHIT Symposium On Engineering Education In The 21st Century:
 Sun., Nov. 3 —
 * Campus Tours, 4:30 p.m.
 * Barbecue, Hulman Union, 6 p.m.
- Mon., Nov. 4 —
 * General Session: Assessment, Gloria Rogers, North Room, 8 a.m.
 * Concurrent Sessions, Hulman Union, 9-11 a.m.
 * Address, Winfred Phillips, ABET President, North Room, 12:30 p.m.
 * General Session: Curriculum Innovations, North Room, 1:45 p.m.
 * Concurrent Sessions, Hulman Union, 3 p.m.
 * Reception At Heinz Luegenbiehl's House, 6 p.m.
- Tue., Nov. 5 —
 * General Session: Incorporating Design In The Engineering Curriculum, Darrell Gibson, North Room, 8 a.m.
 * Concurrent Sessions, Hulman Union, 9 a.m.
 * Plant Tour, 11:15 a.m.
- Wed., Nov. 6 —
 * General Session, The Role Of Humanities In Engineering, Heinz Luegenbiehl, North Room, 9 a.m.
 * Concurrent Sessions, Hulman Union, 10 a.m.
 * General Session, Global Education, Scott Clark, North Room, 1:30 p.m.
 * Concurrent Sessions, Hulman Union, 3 p.m.
 * Farewell Party, North Room, 8 p.m.
- Mon., Nov. 4 — Quarterback Club Luncheon, North Room, Noon
- Tue., Nov. 5 — SGA Senate Meeting, GM Room, 5:30 p.m.
- Wed., Nov. 6 — President's Administrative Council, North Room, 8 a.m.
- Thur., Nov. 7 — Women's Club Luncheon (Speaker: Wayne Spary), North Room, Noon
- Thur., Nov. 7 — Explore Engineering, Concrete Cylinders (ASCE), Olin Hall, 7 p.m.
- Thur., Nov. 7 — American Baptist Student Fellowship Dinner, United Ministries Center, 321 N. Seventh St., 5 p.m. (Reservations by Nov. 6)
- Sat., Nov. 9 — Rose-Hulman High School Mathematics Contest, Moench Hall Auditorium, 9 a.m. to Noon



A & E



- Fri., Oct. 25 — Drama Club Musical, "Little Shop Of Horrors," Moench Hall Auditorium, 8 p.m.
- Sat., Oct. 26 — Dad's Day:
 * Lunch, Main Dining Room, Hulman Union, 11 a.m. to 1 p.m.
 * Football, DePauw University, Phil Brown Field, 1:30 p.m. (ICAC Game)
 * Cookout, E.E. Black Recreation Center, After Football Game
 * Drama Club Musical, "Little Shop Of Horrors," Moench Hall Auditorium, 8 p.m.
- Sun., Oct. 27 — "Little Shop Of Horrors," 2 p.m.
- Fri., Nov. 1 — "Little Shop Of Horrors," 8 p.m.
- Sat., Nov. 2 — Fine Arts Series, The Audubon Quartet With Eli Eban, North Room, 7:30 p.m.
- Sat., Nov. 2 — "Little Shop Of Horrors," 8 p.m.
- Sat., Nov. 9 — Fun Night, United Ministries Center, 321 N. Seventh St., 7 p.m. to Midnight

Remember...

- Tue., Oct. 29 — Bid Tuesday For Fraternities
- Thur., Oct. 31 — Rose-Hulman's Brad Smith On "Wheel Of Fortune," WTWO-TV, 7 p.m.
- Thur., Oct. 31 — Halloween
- Nov. 3-9 — National Chemistry Week
- Mon., Nov. 4 — Flu Shot Clinic (For Students, Faculty & Staff), E-204
- Tue., Nov. 5 — Election Day
- Tue., Nov. 5 — Flu Shot Clinic, E-204



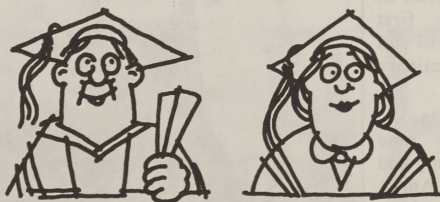
Sports



- Fri., Oct. 25 — Volleyball, at Spalding College, Louisville, Ky., 7 p.m.
- Sat., Oct. 26 — Men's & Women's Cross Country, at ICAC Championships, Anderson, Ind.
- Sat., Oct. 26 — Men's & Women's Basketball, First Practice Sessions
- Sat., Oct. 26 — Soccer, at University of Indianapolis, Indianapolis, Noon
- Sat., Oct. 26 — Volleyball, at IU-Southeast, Columbus, Ind., 2 p.m.

Career Services/Learning Center

- Fri., Oct. 25 — Career Services Interviews: Thomson Consumer Electronics, Motorola
- Mon., Oct. 28 — Learning Center Study Sessions, Berzsenyi's Calculus I, O-101, 7-8 p.m.
- Mon., Oct. 28 — Learning Center Study Sessions, Erwin's Chemistry I, G-219, 7:30-9 p.m.
- Mon., Oct. 28 — Career Services Interviews: The Summit Group Corp., Westvaco, Indiana Dept. of Transportation, General Electric
- Wed., Oct. 30 — Career Services Interviews: Wavetek
- Thur., Oct. 31 — Learning Center Study Sessions, Erwin's Chemistry I, E-104, 4:30 p.m.
- Thur., Oct. 31 — Learning Center Study Sessions, Berzsenyi's Calculus I, O-101, 6-7 p.m.
- Thur., Oct. 31 — Career Services Interviews: IBM
- Fri., Nov. 1 — Career Services Interviews: Andersen Consulting
- Mon., Nov. 4 — Learning Center Study Sessions, Berzsenyi's Calculus I, O-101, 7-8 p.m.
- Mon., Nov. 4 — Learning Center Study Sessions, Erwin's Chem. I, G-219, 7:30-9 p.m.
- Mon., Nov. 4 — Career Services Seminar, Etiquette Dinner, North Room, 5-6:30 p.m.
- Mon., Nov. 4 — Career Services Interviews: ASIC Designs, Inc.
- Tue., Nov. 5 — Career Services Seminar, Etiquette Dinner, North Room, 5-6:30 p.m.
- Tue., Nov. 5 — Career Services Interviews: Bethlehem Steel Corp. (Burns Harbor Div.)
- Wed., Nov. 6 — Career Services Seminar, Etiquette Dinner, North Room, 5-6:30 p.m.
- Wed., Nov. 6 — Career Services Interviews: ASK Steel, Dwyer Instruments, Bethlehem Steel Corp. (Burns Harbor Div.)
- Thur., Nov. 7 — Learning Center Study Sessions, Erwin's Chem. I, E-104, 4:30 p.m.
- Thur., Nov. 7 — Learning Center Study Sessions, Berzsenyi's Calculus I, O-101, 6-7 p.m.
- Thur., Nov. 7 — Career Service Interviews: Bethlehem Steel Corp., National Starch & Chemical
- Fri., Nov. 8 — Career Service Interviews: Motorola, Essex Group Inc., U.S. Air Force



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TASC aims to provide students with research projects

by Kevin Kaminski
Thorn Reporter

The new goal of the Technical Assistance and Services Center (TASC) and the Technology and Entrepreneurial Development (TED) program is to more actively pursue student projects sponsored by companies.

While TASC seeks companies throughout the United States for projects, TED searches within Indiana for more local companies.

The TED program was developed in 1993 through funds from the Lilly Endowment. The objective of the TED program is to recruit companies within Indiana to provide projects to Rose-Hulman students.

One goal is to have the TED program be self-supporting and self-sustaining in five years, when funding from the Lilly Endowment expires. It is hoped that revenue from companies for project work will be enough to sustain the program.

Several criteria are used to determine which projects will be accepted. Attributes of a potential project such as the extent of the educational opportunity for students and professional development opportunity for faculty and staff are examined. In addition, whether or not Rose-Hulman has the facilities to undertake a project must be taken into account.

Currently, 20 to 25 companies will be providing projects for the 1996-97 school year. There is a goal to have a total of 50 compa-

nies providing projects for this school year.

Within the next few years, 100 projects per school year are desired. Dr. Brij Khorana, director of the TASC department and TED program, estimates that 100 projects would provide 400 to 500 students to work on projects annually.

One benefit of projects is that students are allowed the opportunity to work on aspects of engineering to which they normally are not exposed. Students learn to work within time and budget constraints to reach a goal for the company.

In the future, projects will be geared to also allow students to examine the economic and marketing aspects of bringing a product to the marketplace in addition to the development and testing aspect of a project.

Multi-disciplinary projects, where students of various majors work together in teams, are desired for project work. Khorana indicated these types of projects closely parallel real-world situations.

Khorana explained, "We want to try to simulate as much as possible the environment of an industry where there are multidisciplinary teams of engineers and scientists working together on a project."

Currently, space limitations are a problem for housing projects. Classroom labs are currently used for some projects.

The new projects and research building to be constructed near Moench Hall will provide a place to house projects.

A design committee will soon begin speaking with architects about design plans for the building.

Since the new building is to be constructed where the maintenance buildings are currently located, the maintenance department must first be relocated before new construction can begin.

Khorana estimated construction may be ready to begin in 4 to 6 months. The new building is anticipated to be ready to house projects by the summer or fall of 1998.

The new building will house four sophisticated product/process development labs. Multi-disciplinary teams of students and faculty members will work in these labs.

In one part of each large lab, workbench space and general fabrication and testing equipment will be available. In another part of the lab, there will be a conference table with facilities for computer-assisted presentations to allow students and faculty members to communicate progress by teleconferencing and video-conferencing.

Workstations for computer-aided design, solid modeling, and engineering analysis on prototype parts will also be available. Computer terminals will be accessible

to allow searches for information such as current patent data to make sure the project does not infringe on current patents.

An immediate goal within the TED program is to generate as many leads on new projects as possible.

Currently, TASC is hunting for projects that can be integrated into courses in the winter and spring quarters. These projects will encompass a quarter of the school year, preferably three months. Some projects take longer than this.

Projects that will take less than three months are not actively being pursued.

TASC responds to companies that are seeking quicker results by attempting to find a faculty member interested in doing consultant work for the company. TASC deals with all projects that can be

handled by Rose-Hulman, whether by students or faculty.

After a company expresses interest in providing a project, TASC searches for one or more faculty members in a relevant department interested in working on the project.

One example of a project that has been secured is a part-testing project with a company that produces devices for the medical industry.

The Maddock Corporation, which manufactures a "road-side ditcher" used by highway departments to dig ditches, has also committed to providing a project for students.

Maddock is seeking ways to decrease the long assembly time for producing these machines. This will be the objective for a project that will be integrated as a project into mechanical engineering design classes.

CHEF

CONTINUED FROM PAGE 1

Terre Haute due to an illness in his family.

Settling back into Terre Haute hasn't been a problem.

He responded to a newspaper ad for a position with Aramark. It didn't take long for his Aramark employer to decide to hire him - "about 15 minutes."


Kelley is proficient in all aspects of cooking, although he prefers centerpieces and avoids baking. He rarely cooks at home, except when he's

giving a party.

In his spare time, he enjoys hunting, fishing, and sports. He is a member of the Terre Haute quarter-midget car association, for which he serves as crew chief. He also coached fifth grade basketball last year.

Kelley is impressed with the atmosphere at Rose-Hulman. He likes the new dining facilities and feels his co-workers are extremely friendly. He is also impressed with student spirits in the face of great challenges.

Kelley commented, "You couldn't ask for a better place to work."



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Pepperoli - Pizza Sauce, Pepperoni, Cheese, Spices 3.45
Submarine - Pizza Sauce, Salami, Canadian Bacon, Cheese, Spices 3.45
Gyro - Lamb & Beef, Onions, Tomatoes, Sour Cream on Pita Bread 3.45

Roast Beef - Roast Beef, Onions, Provolone Cheese 3.95
Turkey Club - Turkey Breast, Fresh Bacon Bits, Lettuce, Tomatoes, Onions & Mayo 3.95
Meatball - Meatballs, Spaghetti Sauce, Cheese, Spices 3.95
Italian Beef - Served with onion & provolone cheese on our Fresh Sub Bun 3.95
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Steak Hoagie - Steak, onions & provolone cheese on our Fresh Sub Bun 3.95
Ex. Veg. - 30¢ **Ex. Cheese** - 50¢ **Ex. Meat** - \$1.00

Reg. Salad \$1.45 **Chef Salad** \$3.50
Drinks 95¢ **Pitchers, Soft Drink** 2.75

Prices do not include tax (Jan 94)

Rose alumnus hired to market student projects to industry

by Singalex Song
Thorn Reporter

In September, Rose-Hulman created the position of marketing engineer in order to better organize student projects with local companies for the Technology and Entrepreneurial Development (TED) program. This new position has been filled by Rose-Hulman alumnus Jeff Myers of Avon, Indiana.

Although Myers first heard of this new position through a newspaper advertisement, he later received a letter from Dr. Brij Khorana, director of the Technical Assistance and Services Center (TASC), regarding the position. This fall, Myers became the first marketing engineer employed at Rose-Hulman.

After graduating from Rose-Hulman with a B.S. in electrical engineering in 1987, Myers worked at PSI Energy for nine years, rising to account manager of industrial sales before taking the position of marketing engineer at Rose-Hulman this year.

As marketing engineer, Myers is involved with the TED program, in which companies from Indiana provide projects for Rose-Hulman students. This program was created in the fall of 1996 by a grant from the Lilly Endowment, and is administered by TASC, the organization that works with industry to bring projects to campus.

The responsibility of the marketing engineer is to build relationships with as many companies as possible, and encourage them to do project work at Rose-Hulman. By doing these projects for companies, students will be able to gain practical real-world experience during class to reinforce their classroom instruction.

Myers, as the new marketing engineer, acts as a liaison between Rose-Hulman and companies. He works with the companies to find what the company wants to accomplish through a project. Some companies

seek design work while others want certain manufactured components to be tested. He then matches the need to a suitable project. In addition, he finds out the expectations of the corporate client, such as what time frame the company wants the project to be completed.

According to Myers, "This setup will allow students to work on real world projects with real world constraints such as budgets and deadlines."

The TED projects are independent of co-ops and internships, and vary according to the specific company and its needs at the time. Myers commented that some projects might be part of a class, while others might have an immediate need requiring several students to meet a short-term deadline.

Although the TED program is not officially connected with the Career Services center, Myers keeps in contact with Bill Lindstaedt, director of Career Services, because some of the project work could lead to student internships or co-ops and even employment with a particular company in the future. In addition, the companies that interview at the Career Services center could also be a potential source of student projects.

Myers' goal for this year is to create awareness of the newly created TED program throughout the state of Indiana. He also expresses interest in working with Rose-Hulman alumni to develop relations with companies.

According to Myers, "Alumni are one of the best resources in terms of making inroads to the industrial community."

Currently, there are only a couple of students working on projects for companies, but as marketing engineer, one of Myers' goals over the next four years is "to build a program where all students at some point during their time at Rose-Hulman work with industry."

Editorial

Responsibility for web pages lies with Rose

This quarter, a Rose-Hulman student narrowly escaped expulsion for material presented in a personal web page. Instead of being asked to leave, the student was placed on probation and left wondering what made the material inappropriate.

To avoid further controversial situations, Rose-Hulman administration has asked the Student Government Association to initiate a web page policy for the Institute. This week, the senate passed a policy that fails to clarify what is inappropriate for a web page and places students under the mercy of the school in terms of discipline.

The policy implemented by SGA states that students are responsible for material appearing on their personal pages and are obligated to follow the guidelines set forth in the Rose-Hulman Honor Code. During the last student senate meeting, the senators who wrote the web page policy admitted that this draft fails to specify what constitutes unacceptable material.

Due to the authors' inability to define unfit material, the final judgment of acceptability is subject to an individual's personal interpretation of the web page policy and the Rose-Hulman Honor Code. However, a person with a different interpretation than administration is subject to disciplinary action.

Rose-Hulman maintains that personal web pages are a means to express an individual's creativity, work, and ideas. The Institute supports student-written material by placing it on the world wide web. As the provider of the web page service, Rose-Hulman should defend the student's rights to express themselves.

Recently, Rose opted not to defend a student's work which the school placed on the web. The Institute looked to punish the student, and pass their blame onto the student, rather than acknowledge their role in providing the material to the public.

Future disciplinary actions can be prevented by initiating a clear-cut approach to the web page dilemma. Rose-Hulman is under no obligation to provide students access to the world wide web. If the Institute does not want the world to see student material and defend free thought, then it should absolve itself from providing personal web pages.

The Rose Thorn

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Terre Haute, Indiana 47803-3999
Phone: (812) 877-8255
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"Working to keep the Rose-Hulman community informed by providing an accurate and dependable source for news and information."

The Rose Thorn is published on Fridays at Rose-Hulman Institute of Technology.

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The Rose Thorn welcomes letters and comments from its readers. We request that all letters to the editor be less than 300 words long. The editors reserve the right to edit letters for grammar, clarity and length (if over 300 words). All letters to the editor must contain the writer's signature, class year and phone number. All submissions will be confirmed before publication. Letters may be sent by electronic mail to Thorn@Rose-Hulman.Edu, but still must contain the writer's phone number for confirmation. For prompt publication, letters should be typewritten or printed by computer. All letters for an issue of the Thorn must be received before noon on the Tuesday prior to publication.

We would like to remind our readers that the views expressed in the Thorn do not necessarily represent the opinions of anyone other than the original author.

Web Page: <http://www.rose-hulman.edu/Users/groups/Thorn/HTML/index.html>

Narrow education may narrow our lives



Bob Voros

Thorn Columnist

Few can graduate from college and say that they are well-rounded individuals. Coming from any lower level of education to college, we notice that the classes that we take no longer apply to everyday life as well as to our future educational goals. Unlike grade-school and most high schools, college does not try to educate us in all fields.

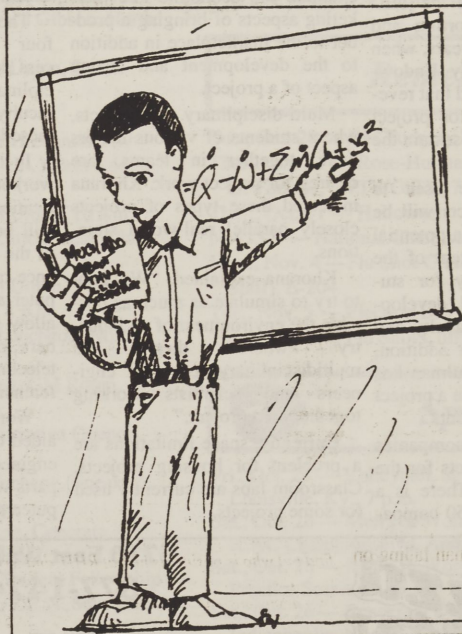
When we come to college we are made to choose — to pick a specific area of study that we hope to know in detail when we graduate. Consequently, we all experience some form of intellectual growth in this specified field and stagnation in other fields. We must question whether this exchange of growth and stagnation justifies itself in our daily lives after graduation.

At Rose-Hulman, we can see the line of growth and stagnation clearly defined. Coming to a technical institute, we are stating directly that we value technical knowledge above all other knowledge. Whether this decision is based on personal fondness for energy

balances or fondness of secure finance does not matter, what matters is the decision to weigh the technical field as having greater value. Once an area of education is chosen, there will be fewer interactions with the other fields. Compared to the class schedules of all of my friends in non-engineering majors, we are required to take more humanities classes in our technical curriculums than a non-technical student is required to take technical courses. My friend who was majoring in communication had to take two math courses and one physics course during her entire four years in college. This is no odd discrepancy. In the world beyond college, my friends will find some basic usage for their math skills; they may even find some usage for the occasional physics class. However, after graduation, technical students will find their humanities classes more important than they may

have suspected.

The ability to communicate well through speaking and writing has been highlighted at Rose from freshman composition to technical classes; although, the ability to master communication has been largely focused on technical conveyance. As any student who has had to write a technical paper will know, it must be written in impersonal passive text. While this tense is extremely boring to write as well as read, it is also not the way the rest of the world communicates. To be able to communicate well is a positive trait; however, if we are taught to communicate well only in a business environment,



then we lack the skills to speak well outside of the realm of technology.

It is not for the sake of brilliant conversation that we should focus more on non-technical subjects but to attain a better understanding of the world around us. How can one decide which candidate is best if they don't even understand the basis of our two party system? How can we hope to see the positives or negatives of our government if we don't have any basis of comparison? I use government as a basis of this reasoning because it is the single largest factor that will effect almost all the students in this institute. If we do not know how to change it then we cannot consider ourselves adequate participants in it. If we do not understand how our country functions, how will we know how to even function in other countries?

In a conversation about exchange programs at Rose, I have heard someone mention that

Americans and Europeans "weren't that different," and we didn't need to educate our students in any special way if they were going to be sent over. During my high school years, I participated in a German exchange program for one month. I found huge differences between the two countries not only culturally, but socially and politically. From their socialized government to wedding celebrations, Germany was certainly different from the United States. Later in high school, I was lucky enough to visit London, England for my senior class trip. I saw that as Americans we stood out from the crowd — mainly because we were rude and ignorant. I believe that if students who are not educated in the foreign culture they are spending a great deal of time in, through an internship or as graduates, the ignorance shown by them would reflect poorly on the colleges that they represent.

Humanities and social sciences should not be overlooked as some classes we have to take and then quickly forget. These classes are valuable in not only our personal lives but business lives as well. If we understand the basis of our society then we can work effectively in it; if we can see how our society effects our economic interests we can utilize this information as well.

While students must see that their classes are more important than they have previously believed. Rose should evaluate the type of student it seeks to release into the world. It should evaluate the quality and choices that a Rose student is presented in their non-technical studies. Do these classes educate the student to relate to the non-technical world adequately? With this, Rose may put out a better prepared student body.

Bob Voros (ME '98) is from Westchester, IL a suburb of Chicago. Bob likes to draw, obviously, and win or lose. He also enjoys philosophical discussions about the essences of Twinkies. Bob has a radio show with Caleb Coburn Thursday evenings on WMHD. He encourages everyone to listen, despite what they play.

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Letter to the Editor

In regards to Caleb Coburn's remarks about stupid people. An educated man walked across a log going over a stream. The log, being cotton, broke and the educated man fell into the stream. He soon discovered, he could not swim. A man passing by who wasn't educated jumped in and saved him because he could swim.

Sometimes when we swell up with wisdom we need a stupid man to save us.

Neil Davis

BSB Housekeeping

A leap of faith on roller blades



Michael Bickel

Thorn Columnist

This past September, I went to Circle K's midnight roller blade party with a borrowed pair of blades. While I was there, I decided to learn to skate on the half pipes. The half pipes were huge, curved, wooden ramps built specifically to skate on. They were mainly for advanced skaters, but I couldn't ignore the opportunity to ride them.

I climbed to the top of one of the pipes. Another skater there explained what to do. I would have to lean forward as if diving at the floor, ignore my sense of balance, and go.

It was frightening to ignore balance, but I set my jaw and cautiously leaned into motion. The first feeling was falling forward, then my legs snapped out from under me and my back hit the wood. Replays flashed through my mind as I wondered what I had done wrong. After a few minutes of recovering, I was ready to try again.

As I looked down from the top of the pipe I felt afraid. It seemed absurd; I would have to dive at the ground to avoid hitting it. The fear of doing this had held me back the first time — and I felt even more afraid this time. My 'common' sense fought for restraint, but the dull ache in my back reminded me there was no halfway.

I decided I had nothing to lose by doing it right. I would dive at the ground. If I fell on my face it would be no worse than falling on my back. If I came out standing, it would be worth the risk. I didn't know what would happen, but at least I would try all out one time.

My experience on the half pipe is an example of faith. I had to believe in the advice and

experience of others over my own instincts. If I had not seen others ride the pipe, I would have had no idea how to do it. I had to completely trust them before I could ride.

What I did seems reckless, but it was the only way. In this case, the risk was worthwhile. But to be able to ride the right way, I had to risk the price of being wrong. When I could accept the fact that I might be seriously injured, yet look down the ramp without fear, I was ready for success.

Faith seems like a paradox. It can't be based on tests, because objective testing requires skepticism. However, if it is not tested it can never be confirmed. Faith is expecting success no matter how many times you have failed. It nearly always seems foolish, but sometimes it is the only path to knowledge. When I lacked faith in myself, I rode the pipe cautiously and failed. A continued lack of faith would insure that I could never ride the pipe correctly.

Sometimes faith is foolish if you are not willing to accept the consequences of being right or wrong. If I had faith that I would get through Rose-Hulman without doing any work, I would be an idiot. On the other hand, if I could get through without working, lack of faith would cost me

all my time.

If you don't have faith, you may never experience some of the most exciting things possible. If you think you believe something but are afraid of it, you will fall on your back. If you don't know how to believe, you are missing out. If you know how to believe, you're lucky to be alive in more ways than one.

Michael Bickel is currently in exile in Peru for his extreme political ideas. We are trying to find out who is posing as him at RHIT and writing these columns portraying him as interesting, humorous, and thoughtful. Michael Bickel is none of these things! He is a dangerous criminal who will devour your mind like tofu and make you his slave. Be careful of him.

Faith can't be based on tests, because objective testing requires skepticism

Is there any "good news" out there?



Kent Bye

Thorn Columnist

consistently find myself falling into the trap of having an ambulance-chasing mentality. I guess it might be seeing pain and suffering somehow comforts me in that it makes me appreciate all of the things that are going right in my life.

Negativity seemed to be the theme of this past summer's television coverage of the Olympic games. I got sick of watching the games because it was the announcer's sole responsibility to crucify the athlete's performance. While the world's best athletes were trying to display their talent, every little mistake was being pointed out by the commentators.

They almost had to win a gold medal before they'd receive any credit. Making it to the Olympics within itself meant that they had to be good, but this fact seemed overshadowed by the constant nagging and nit-picking of their performance.

So what am I going to do about all of this negativity? I'm going to end this article with some good news. My friend Wes has decided to go ahead and completely drop his full-ride scholarship at Hanover for the entire year in order to volunteer full-time for St. Vincent New Hope. Instead of reading volumes of philosophy books at college, he has been driving all around Indianapolis nearly every day visiting mentally handicapped adults at their group homes.

Wes held a piano recital which raised over \$400 so that he now can take them out to eat, to the symphony, and to many other different activities that they had never been able to do until he came along. Wes has sacrificed a lot in order to bring more joy and happiness into the lives of these isolated people, and he has given them something to look forward to every day. Wes' story is a clear evidence that plenty of good exists; you just have to look a little harder for it.

Kent Bye (EE '98) considers himself a Renaissance man who believes in living life to the fullest. He plans on publishing a book someday and it is his goal to meet as many different people as possible.

When I played in the Twister tournament here at Rose, I won three straight times against the other three people on my mat. I found myself sarcastically jumping up and down in a mock celebration because I had just become the first-ever Twister champion. It doesn't sound like much, but I racked up \$170 in gift certificates, a T-shirt, had my picture on the front page of the Metro Section of the Tribune Star, I was interviewed on Action 10 News, and I appeared on Channel 2 News. I loved every moment of my 15 seconds of fame, but I never imagined I'd ever get so much media coverage from playing TWISTER!

The whole idea of winning a Twister tournament is simply stupid, so why were two TV stations and multiple news reporters there to cover it? Obviously there wasn't much else going on in Terre Haute that week for one thing, but every once in a while the news likes to have a feel-good story. They try to cover up for all of the other bad stuff that they feed us by periodically featuring something that makes the viewer feel good inside.

I don't call the television broadcasts "news". I call it the "bad news", because that is exactly what gives the viewer. If there is anything going wrong in the world, you'll undoubtedly hear about it on the 'news'. This is why I don't like to read or watch the news because it just depresses me whenever I listen to it. Sometimes ignorance is bliss, so I usually choose ignorance.

Why does the news have to be this way? They only feed us exactly what we want to hear. We'd rather hear about a murder, natural disaster, or bombing than a story about a random act of kindness. Ratings are driven by violence so the "good news" wouldn't last long. Besides, it is easier to complain than to compliment.

We are a very pessimistic society, and I

United States foreign policy could be the undoing of this great nation



Pete Papavasiliou

Thorn Columnist

One of the touchiest campaign issues of the '96 presidential race is foreign policy. Bob Dole and Bill Clinton continuously shy from questions about Bosnia, Somalia, Haiti, Iraq, Cuba, and other locations where America has tried and failed to successfully implement foreign policy with the military. Both have tried to portray themselves as the candidate best equipped to control the world but avoid international issues.

After the end of World War II American foreign policy changed remarkably. The vast destruction of the two world wars convinced many U.S. citizens that traditional American foreign policy, isolationism, was not effective in protecting America. The world seemed to be a very dangerous place. Rather than merely defend our borders from the world, we decided to occupy most of it.

This occupation took the form of establishing military bases and stationing fleets around the world. The idea was rather than wait for trouble to come knocking on American soil, the U.S. military should be equipped to battle enemies worldwide. It was effective. Today, we have a large amount of control over many areas of the world.

Unfortunately, controlling the world may not be in America's best interests. Establishing bases around the world was fine when the threat of occupation by communist countries provided a good excuse, but now with that threat eliminated, our dominance over European and Asian countries has made America look like a bully, not like a big brother. Also, many times since World War II, American troops have been deployed for reasons that did not serve to protect the United States, but to protect the interests of politicians.

Consider some recent examples. The deployment of troops to Bosnia did not in any way protect the sovereignty of the U.S. The action put American lives at risk to attempt to halt a battle that had no effect upon the American way of life. Civil war and famine in Somalia in no way threatened our nation. Recent strikes against Iraq were not intended to provide a defense of the U.S., but more likely a boost in the polls. The occupation of Haiti was not initiated to counter a military threat, but to spread our political system to other parts of the world. When the communists attempted the same thing, America was incensed.

Likewise, many nations worldwide are getting a bit annoyed by our little military experiments. The Gulf War, though effective in strengthening ties with Kuwait, has made it clear to many countries in the Middle East that the United States will not hesitate to be the aggressor. More than once, European nations have expressed indignation of our total disregard

for the rest of the world regarding foreign policy decisions with respect to Cuba and Bosnia. Middle eastern nations balked at the recent strikes against Iraq. Many of these nations have demanded that we withdraw our military bases from their lands. The world is not happy with our "new world order."

What gives the United States the right to meddle in world affairs? Why is it that we can tell countries where they can fly planes within their own borders, what weapons they can research, how big their military can grow, and what internal conflicts they can and cannot have? Most Americans don't even think about the negative and long range implications of our foreign policy.

Suppose that in 1862, Great Britain had deployed troops to halt the war between the North and the South, and established borders for us to live within. What if Spain, upset with the United States' extermination of Native Americans in the 19th century, had ordered us not to send any troops west of the Mississippi? How would we respond if the Soviet Union, upset with our "primitive" form of government, decided to overthrow it and establish a communist state? What if China, angered by the continued existence of our democratic state, attempted to cut off all trade between the United States and the

rest of the world, and when the world did not comply, threatened them for trading with us?

All of these scenarios are similar to recent U.S. actions around the world. All of them are abusive and just plain rude. That does not concern American diplomats, politicians, and military leaders. They no longer focus on protecting American soil, but rather on maintaining dominance. In addition to raising the capability of the U.S. armed force defense, these people also try to debilitate, economically and militarily, other nations.

What gives the United States the right to meddle in world affairs?

This form of dominance does not come without a price. Every time we bomb a nation into military enfeeblement, any time we impose trade sanctions on an unfavorable nation, and every time we play games with the political workings of a foreign state, we anger members of the world community. Before long, we will have alienated much of the world, and there will be virtually no country that will ally with us. Even the mighty United States cannot keep the world under control alone.

For those who disagree, let his-

tory be the teacher. Remember that Great Britain, at the height of her power, attempted similar foreign policy. Great Britain had outposts all over the world. England had the world's most powerful, if not indomitable, military in the world. The Britons made foolish and arbitrary decisions worldwide: in the middle east, in India, in the orient, in Sri Lanka, in Bosnia, in Cyprus, in Ireland, in the Pacific. Today, almost everywhere there is conflict, Britain is at least partially to blame. Britain now has a shadow of its former power, and is among the most hated nations on Earth. Britain's enemies undid her.

American foreign policy should not be about controlling potential enemies, shackling the rest of the world, or performing social experiments. The United States should conduct foreign affairs with one purpose in mind, the defense and preservation of the country. The United States government should strive to do only what the Constitution of the United States tells it to do: Provide for the common defense.

Pete Papavasiliou (EE '97) is a member of the Rose-Hulman chorus and swimming team. He enjoys skiing, reading, and playing guitar. Pete is an adamant capitalist, a lover of freedom and a fighter for the free market.

Soccer team returns home Tuesday to take on Little Giant



Senior forward Wayne Moore scored both goals for the Engineers last week.

by Joel Gillespie
Sports Editor

The Rose-Hulman soccer team has struggled of late, dropping their last four matches to fall to 3-7-1 on the season, 1-0 in ICAC action. It doesn't get any easier for the Engineers this week, as they travel to the University of Indianapolis on Saturday.

"[U of I] is an outstanding Division II school," said coach Greg Ruark.

Rose will play on Rendel Field for the first time in four weeks Tuesday, when the conference-leading Wabash Little Giants come to town. Wabash is 8-2 on the year, and have outscored their opponents, 25-16. Game time is slated for 3 p.m.

The Engineers traveled north

Wisconsin-Whitewater 5,
Rose-Hulman 2 (OT)

Rose Goals

Wayne Moore (Kevin Kayser)

Wayne Moore (Andy Zehnder)

Gustavus Adolphus 2,

Rose-Hulman 0

Matt Toppin: 14 saves

over fall break, losing 5-2 in overtime to Wisconsin-Whitewater, and falling 2-0 to Gustavus Adolphus (Minn.).

Against Whitewater, senior forward/midfielder Wayne Moore scored both of the Engineer goals, the last coming with about 30 seconds left in regulation to send the game into overtime. Once the extra period began, however, Rose was over-

whelmed as Whitewater took on three goals to pull away.

"We played reasonably well against Whitewater," noted Ruark. "I just don't think [our players] had anything left to give once overtime began."

Ruark credited goalkeeper Matt Toppin with keeping the game relatively close against Gustavus, despite the fact that the Engineers were outshot, 24-3, the game.

"They created many opportunities with their good play, which we had very little attack," Ruark lamented.

Toppin saved 14 shots in the game.

Ruark summed up his assessment of the Engineers game saying, "We played horribly."

Spikers struggling on the ICAC road

by Joel Gillespie
Sports Editor

Road games and ICAC competition continue to give the Rose volleyball team a hard time, as the Engineers lost matches to DePauw and Hanover last week.

The Engineers make a two-day trip this weekend, traveling to Spalding College in Louisville, Ky., on Friday and then squaring off against IU-Southeast Saturday.

Spalding is a first-year program consisting mainly of players from Louisville, according to coach Brenda Davis.

"We saw Spalding play at the Oakland City tournament, and they are

very strong," commented Davis.

IU-Southeast, on the other hand, is a team more on the Engineers' level. Rose fell to them in two close matches at the Oakland City tournament, but the Engineers believe they've improved since then.

"If we 'show up' for that match, we should win," Davis said.

Hanover made short work of the Engineers last Saturday, dominating the three-game match, 15-1, 15-0, 15-5. Molly Lambert led the Engineers with six kills.

"We just kind of stopped, dropped, and rolled, and we let them run right over us," lamented Davis.

A large contingent of Rose students and parents made the short trip to Greencastle last Tuesday to watch the Engineers take on DePauw.

They didn't see the Engineers at their best, as the Tigers rolled in the first two games, 15-3, 15-2.

However, the Engineers showed some resilience, rallying for a 16-14 victory in the third game.

Unfortunately, Rose couldn't sustain their momentum, and DePauw came out on top in the fourth game, 15-3.

Beth Nixon had 12 kills, and Kelly Barney had 16 assists, 10 digs, and 2 blocks.

CC at conference Saturday

The Rose-Hulman men's and women's cross-country teams travel to Anderson this weekend for the ICAC Championships. The competition begins at 9 a.m.

Last weekend at the Indiana Intercollegiate meet, held at IU, both the Engineer teams struggled a bit. The race was huge, as runners from all 28 teams raced at the same time.

Men's coach Bill Welch thought that the size of the meet may have been detrimental to his team's performance.

"It was our first meet with large numbers and I think we let ourselves get lost a little bit," he commented.

Ryon Sumner led the men with a time of 28:17, good enough for 105th place. The Rose men finished 15th out of 21 teams.

Ann Christensen led the women, followed closely by Sara Speckhard.

Men's Results

- 105) Sumner 28:17
- 127) Dan Brier 28:40
- 148) Dave Hartman 29:10
- 158) Dan Tews 29:30
- 184) Josh Karkalik 30:50

Women's Results

- 131) Christensen 22:10
- 139) Speckhard 22:20
- 155) Melanie Wells 22:40
- 169) Liza Saunders 23:20
- 176) Emily Huguenard 23:30

DePauw 3, Rose-Hulman 1

1 2 3 4

Rose-Hulman 3 2 16 3

DePauw 15 15 14 15

Statistical Leaders

Kelly Barney: 16 assists, 10 digs, 2 block

Beth Nixon: 12 kills

Nikki Overman: 9 kills, 2 aces

Hanover 3, Rose-Hulman 0

1 2 3

Rose-Hulman 1 0 5

Hanover 15 15 15

Statistical Leader

Molly Lambert: 6 kills, 1 block

Engineers' Fall Sports Calendar

	Friday 25	Saturday 26	Tuesday 29	Thursday 31
FOOTBALL		Home vs. DePauw, 1:30 p.m.		
SOCCER		at U. of Indianapolis, 12 p.m.	Home vs. Wabash, 3 p.m.	at Wisconsin-Whitewater, 4 p.m.
VOLLEYBALL	at Spalding College, 7 p.m.	at IU-Southeast, 2 p.m.		at St. Mary's College, 7 p.m.
CROSS COUNTRY		at ICAC Championship (Anderson), 9 a.m.		

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Worship: Sun. 10:30 a.m., 6:00 p.m., Wed. 7:00 p.m. College & Career class: Sun. 9:30 a.m. 25th & Margaret Avenue. Transportation available 466-5144.

Thirteenth annual Rose-Hulman ski trip to Ski Cooper, Leadville, Colorado. March 2 to March 7, 1997. Cost is \$425. Includes 5 days lift tickets, 5 days ski rental, 5 nights lodging, 5 continental breakfasts, 4 evening meals. See Dr. Ditteon. CL-108. x8247

for additional details. \$100 non-refundable deposit is due December 13, 1996.

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POLICIES:

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All other classified ads are \$3.00 for first 30 words, then \$0.15 for each additional word. Payments must be made in advance; corrections at our expense on first week only.

The Thorn reserves the right to refuse advertising which the editors judge to be discriminatory on the basis of race, religion or sexual orientation, or that promotes violence, illegal activities or is in bad taste.

Submissions may be made at the Thorn office, through the Thorn Box 2034, email-ing thorn@rose-hulman.edu, or by calling the Thorn at ext. 82. Deadline for submissions is 5 p.m. Wednesday prior to publication. Resubmissions over one week must be renewed weekly by contacting the Thorn office, unless prior run arrangements have been made.

Tigers roar into town to challenge red-hot Engineers

by Joel Gillespie
Sports Editor

DePauw and Rose-Hulman, both fresh off huge comeback victories, will do battle for first place in the ICAC this Saturday at Cook Stadium. The kickoff is scheduled for 1:30 p.m.

The Engineers knocked off Manchester, 29-28, at North Manchester last weekend, while the Tigers scrambled back from a 21-point deficit to defeat Hanover, 41-34.

DePauw and Wabash are the only undefeated teams remaining in the conference, and with the Little Giants traveling to Franklin for a tough road battle with the Grizzlies, Rose has a prime opportunity to seize a piece of the conference lead.

"DePauw is an excellent team," remarked Engineer head coach Scott Duncan of the 5-1 Tigers.

Rose will have to control DePauw's strong passing attack in order to win the game. The Tigers are first in the conference in pass offense, averaging 267 yards per game.

The Engineers have the second-worst pass defense in the league. Tiger wide receiver Jamie Cunha busted out last week for 220 yards on six catches, and will be a tough assignment for the Engineer secondary.

Another key element of the game will be the clash between the Engineers' rushing offense and the Tigers' rush defense, both ranked second in the league.

DePauw at Rose: Dad's Day Showdown

Kickoff: 1:30 p.m. Saturday at Cook Stadium.

The Series: DePauw leads, 31-11-1. Rose has won the last three matchups between the schools.

Last Season: In Greencastle, the Engineers squeaked out a 21-20 victory over the Tigers.

Last Week: DePauw rallied for a 41-34, come-from-behind victory over Hanover. Rose rallied for a 29-28, come-from-behind victory over Manchester.

Common Opponents:

Against Anderson:
DePauw 29, Anderson 11
Rose 34, Anderson 20
Against University of Chicago:
DePauw 35, Chicago 0
Chicago 35, Rose 3

Top Performers:

DePauw:
Quarterback Bernie Haskins is second in the conference in passing with 246 yards per game.

Tight end Jay Pettigrew is second in the league in receiving, averaging 72 yards a game.

Receiver Jamie Cunha exploded last week for 220 yards on six catches against Hanover.

Rose-Hulman:
Quarterback Eric Hyten is second in the ICAC in rushing, averaging 127 yards a game.

Kicker Matt Arnold is second in the league with six field goals.

Linebacker Chad Welch leads the team with 57 tackles.

Rose 29, Manchester 28

Rose-Hulman overcame a huge blow on the opening kickoff to come back to defeat the Spartans. Senior defensive end Matt Allen broke both the fibula and the tibia in his leg on the play.

Allen had successful surgery to repair the damage on Saturday, but he is lost for the season.

"Matt Weir did a nice job of stepping in for Allen, getting a sack on the first series," said defensive line coach Jeff Jenkins.

The Engineers scored first, on a

3-yard blast by fullback Stuart Quay. However, the Spartans struck back, scoring two touchdowns in the second quarter to take a 14-7 halftime lead.

After the break, Rose took the opening kickoff and drove 60 yards for a touchdown, capped by quarterback Eric Hyten's 15-yard scamper. The extra point try failed, leaving the Spartans in the lead, 14-13.

Manchester capitalized on a Hyten fumble later in the third, as Todd Mason rumbled in from the one for a score, and the extra point made in 21-13.

In the middle of the fourth quarter, Rose got the ball on their own 25, and it took only four plays before Hyten scored on a 16-yard run. Hyten also converted on the run for the two-point conversion, tying the score at 21.

Manchester quarterback Steve Panning completed five of six passes on their ensuing drive, the last going for 29 yards and a touchdown with 1 minute, 57 seconds left in the game. Manchester led, 28-21, at that point and things looked bad for the Engineers.

However, cornerback Tony Hinkle came through for the Engineers on the kickoff, returning it 61 yards to the Manchester 33. Six plays later, Quay bulled into the end zone on a third-and-goal, giving Duncan a big decision. The clock showed 11 seconds, and Manchester called a



Quarterback Eric Hyten hopes to bust out for another big game against DePauw this Saturday. Kickoff is set for 1:30 p.m.

timeout to talk things over.

In the biggest play so far for the Engineers this season, Duncan chose to go for two, and Hyten emerged on the far side of the goal line, putting the Engineers in the lead.

Although Manchester returned the ensuing kickoff to midfield, their only attempt at a hail mary pass was unsuccessful, sealing the victory for Rose.

Hyten led the Engineers in rushing with 129 yards, while Chad Welch led the defense with 15 tackles.

Team	ICAC		Overall	
	W	L	W	L
DePauw	3	0	5	1
Wabash	2	0	5	1
Rose-Hulman	2	1	2	4
Anderson	1	2	4	2
Manchester	1	2	2	4
Franklin	0	2	3	3
Hanover	0	2	3	3

Last Week's Results
 Rose-Hulman 29, Manchester 28
 Anderson 41, Franklin 28
 DePauw 41, Hanover 34
 Wabash 37, Ill. Benedictine 7

This Week's Schedule
 DePauw at Rose-Hulman
 Anderson at Hanover
 Wabash at Franklin
 Manchester at Defiance

Basketball teams hope to start 1996-97 with a slam dunk

With less than a month to go before their first games, the Rose-Hulman men's and women's basketball teams begin their first official practices this Saturday.

Both squads open the season at the Sewanee Tip-Off Tournament at the University of the South in Sewanee, Tenn.

The men square off against Emory & Henry University on

Friday, Nov. 22, and the women will play the host school on Saturday, Nov. 23.

Eschewing the current trend in college basketball toward "Midnight Madness" kickoffs to the season, the men's team plans to wait until Saturday morning to begin their drills.

Head coach Jim Shaw says that "9 a.m. Madness" will be his

team's way of beginning what is hoped to be another season like last year, when the Engineers went 19-9 and advanced to the NCAA III national tournament.

Troy Halt and David Moore are the only returning starters from last year's team, and a promising sophomore class will be counted on to step up.

The women's squad, on the

other hand, is hoping to pick up the program's first win, and many more, this season.

The women, coached by Wanda Schwartz, are no longer short on players.

The Engineers, who played nearly all last season with a six-player roster, boast a 15-player list to start the season, including five players from last year's inaugural squad.

Tennis team makes the grade

Rose-Hulman's 1996 tennis team was one of 13 NCAA Division III teams in the nation to be honored as a Division III All-Academic Team by the Intercollegiate Tennis Association.

To qualify for the honor, the cumulative grade point average had to be a 3.2 or above on a 4.0 scale. The Engineers, who are coached by Dan Hopkins, posted a team grade point average of 3.46.

1996 is the first year that the ITA has given out all-academic team awards. The Engineers have had at least two ITA Academic all-district players in each of the last three seasons, and are waiting to hear how many members of the 1996 team will also earn that honor.

Twelve men and five women made up the Engineers' 1996 tennis team which earned the academic award.

- Karl Ammerman
- Jordan Barr
- Chip Bennett
- Craig Clark
- Ryan Easterhaus
- Cathy Francis
- Ryo Fuchinoue
- Jamie Funk
- Marcie Kam
- Andy Miller
- Jeff Nord
- Koji Okamoto
- Jason Owen
- Jose Penaloza
- Becky Schenk
- Becky Smith

1996-97 Men's Basketball			
Date	Opponent	Site	Time
Nov. 14	Lithuanian Team(Exh.)	Shook Fieldhouse	7:30 p.m.
Nov. 22	at Sewanee Tip-off Tourney	Sewanee, Tenn.	
	Rose vs. Emory & Henry		6 p.m.
	Univ. of the South vs. Emory		8 p.m.
Nov. 23	at Sewanee Tip-off Tourney	Sewanee, Tenn.	
	Consolation Game		12 p.m.
	Championship Game		2 p.m.
Nov. 26	Indiana Wesleyan	Shook Fieldhouse	7:30 p.m.
Dec. 1	Blackburn College	Shook Fieldhouse	7:30 p.m.
Dec. 3	Brescia College	Owensboro, Ky.	6 p.m.
Dec. 6	Rose-Hulman Invite	Shook Fieldhouse	
	Rose-Hulman vs. Concordia (Ill.)		7:30 p.m.
Dec. 7	Rose-Hulman Invite	Shook Fieldhouse	
	Concordia(Ill.) vs. Albion		3 p.m.
Dec. 8	Rose-Hulman Invite		
	Rose-Hulman vs. Albion		3 p.m.
Dec. 14	Millikin University	Decatur, Ill.	7:30 p.m.
Dec. 16	Centre College	Shook Fieldhouse	7:30 p.m.
Dec. 20	Eureka College	Eureka, Ill.	7:30 p.m.
Dec. 22	Illinois Wesleyan	Bloomington, Ill.	3 p.m.
Jan. 4	Elmhurst College	Shook Fieldhouse	7:30 p.m.
Jan. 8	DePauw University	Greencastle, Ind.	7:30 p.m.
Jan. 11	Hanover College	Shook Fieldhouse	3 p.m.
Jan. 15	Franklin College	Franklin, Ind.	7:30 p.m.
Jan. 22	Anderson University	Shook Fieldhouse	7:30 p.m.
Jan. 25	Manchester College	Shook Fieldhouse	3 p.m.
Jan. 29	Wabash College	Crawfordsville, Ind.	7:30 p.m.
Feb. 1	Franklin College	Shook Fieldhouse	3 p.m.
Feb. 5	DePauw University	Shook Fieldhouse	7:30 p.m.
Feb. 8	Hanover College	Hanover, Ind.	3 p.m.
Feb. 12	Anderson University	Anderson, Ind.	7:30 p.m.
Feb. 22	Manchester College	N. Manchester, Ind.	3 p.m.
Feb. 27-Mar. 1	ICAC Tournament	TBA	TBA

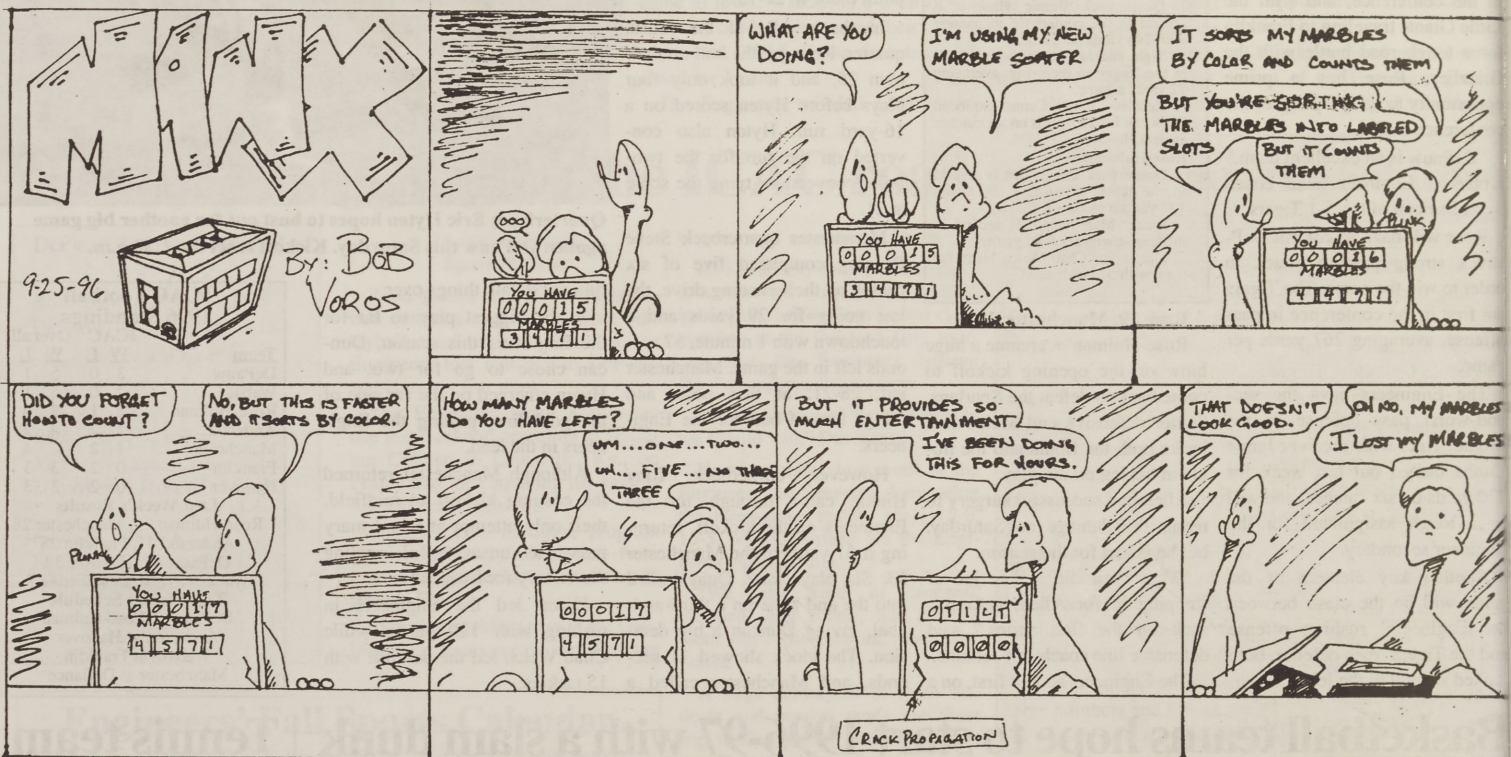
1996-97 Women's Basketball			
Date	Opponent	Site	Time
Nov. 23	Sewanee Tip-off Tourney	Sewanee, Tenn.	
	Heidelberg vs. Georgia Wesleyan		6 p.m.
	Rose-Hulman vs. Univ. of the South		8 p.m.
Nov. 24	Sewanee Tip-off Tourney	Sewanee, Tenn.	
	Consolation Game		1 p.m.
	Championship Game		3 p.m.
Nov. 25	Agnes Scott College	Atlanta, Ga.	7 p.m.
Dec. 3	St. Mary-of-the-Woods	Shook Fieldhouse	7 p.m.
Dec. 7	Elmhurst College	Elmhurst, Ill.	3 p.m.
Dec. 10	Greenville College	Shook Fieldhouse	7 p.m.
Dec. 13	Greenville College Invite	Greenville, Ill.	
	Lincoln Christian vs. Rose-Hulman		6 p.m.
	Greenville vs. St. Mary-of-the-Woods		8 p.m.
Dec. 14	Greenville College Invite	Greenville, Ill.	
	Consolation Game		1 p.m.
	Championship Game		3 p.m.
Dec. 17	Earlham College	Richmond, Ind.	7 p.m.
Dec. 19	IU-Eash	Shook Fieldhouse	7 p.m.
Jan. 9	St. Mary's College	Shook Fieldhouse	7 p.m.
Jan. 11	Hanover College	Hanover, Ind.	1 p.m.
Jan. 14	Anderson University	Anderson, Ind.	7 p.m.
Jan. 18	DePauw University	Shook Fieldhouse	1 p.m.
Jan. 23	Oakland City University	Oakland City, Ind.	8 p.m.
Jan. 25	Manchester College	Shook Fieldhouse	1 p.m.
Jan. 28	Franklin College	Franklin, Ind.	7 p.m.
Feb. 1	Hanover College	Shook Fieldhouse	1 p.m.
Feb. 4	Anderson University	Shook Fieldhouse	7 p.m.
Feb. 8	DePauw University	Greencastle, Ind.	1 p.m.
Feb. 12	Lincoln Christian College	Lincoln, Ill.	7 p.m.
Feb. 15	Manchester College	N. Manchester, Ind.	1 p.m.
Feb. 18	Franklin College	Shook Fieldhouse	7 p.m.
Feb. 20	St. Mary-of-the-Woods	SMWC	7 p.m.
Feb. 27-Mar. 1	ICAC Tournament	TBA	TBA

Bottom 10 Lines to Avoid During Your Next Interview

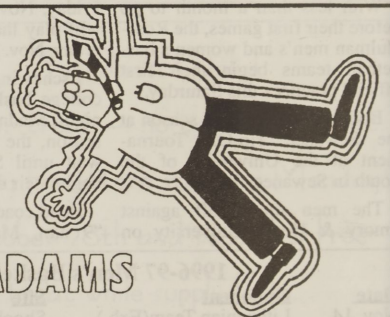
- 10) But the charges were dropped when all the key witnesses died.
- 9) Do you have any plants in Terre Haute? I have this probation problem.
- 8) Between you and me, your're not nearly as big a jerk as I've heard.
- 7) I really hate it when people give me orders.
- 6) I don't know how I got the nickname, "Xerox."
- 5) So are hookers covered by travel expenses? I have a receipt.
- 4) My grades have gotten a lot better since I quit smoking crack.
- 3) What are the odds of me getting a cash advance on my future salary?
- 2) Oh, I copied that part of my resume. I heard this was a "file" interview.
- 1) This job is just temporary until I save enough money to buy my Hog.

Top Ten Pavlov Experiments Conducted Every Class Hour

- Tenth: When the bell rings, wake up.
- Ninth: When the bell rings, wake up.
- Eighth: When the bell rings, wake up.
- Seventh: When the bell rings, wake up.
- Sixth: When the bell rings, wake up.
- Fifth: When the bell rings, wake up.
- Fourth: When the bell rings, wake up.
- Third: When the bell rings, wake up.
- Second: When the bell rings, wake up.
- First: When the alarm goes off, roll over and skip your first class.



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BY SCOTT ADAMS

