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Final Day to
Drop Courses
TODAY

the Rose Thorn

GO ROSE
BASKETBALL
BEAT RHODES

News Briefs

RHA-APO-IFC Blood Drive to be held next week

by Lee Bridges

The winter quarter the Rose Hulman Residence Hall Association - Alpha Phi Omega service fraternity - Interfraternity Council Blood Drive will be conducted on Wednesday, Feb. 1 from 10 a.m. to 3 p.m.

This quarter, the sponsors will be trying something different. In order to provide more

room, the drive will be held in the Moench Hall auditorium. The auditorium will provide more space than the game room in the Hulman Memorial Union, where the drive has been customarily conducted.

RHA-IFC-APO would like to encourage everyone to stop by and make this blood drive the best one ever.

Fred Baechler receives George C. Marshall Award

Martin F. "Fred" Baechler, a Rose-Hulman senior, has been selected by the Military Science Department to receive the Army Reserve Officer's Training Corps' George C. Marshall Award.

Baechler is the cadet battalion commander of the Wabash Battalion. The Wabash Battalion is the largest ROTC organization in the United States. He holds the rank of Lieutenant Colonel. A chemistry major, Baechler plans to attend medical school upon graduation from Rose-Hulman.

The George C. Marshall award is given annually to the top cadet in each cadet battalion.

The award was started in 1978 by the G.C. Marshall Foundation in Lexington, Va., to recognize excellence in preparation for a military career. The award is named for Marshall, who was a general of the U.S. Army during World War II and later served as Secretary of State.

Cadet Baechler will travel to Lexington in April to the Virginia Military Institute, Marshall's alma mater. He will participate in several days of seminars and briefings from top military and civilian officials. The seminars and presentations will cover current military and security issues.

Leipziger honored as outstanding chemical engineering professor

Rose-Hulman chemical engineering professor Stuart Leipziger has earned the outstanding faculty award from members of the Omega Chi Epsilon chemical engineering honorary fraternity.

Leipziger teaches both undergraduate and graduate courses in thermodynamics, heat transfer and fluid flow. Since joining the faculty in 1984, he has published several

research papers in the areas of thermodynamics and heat transfer.

"He has a very effective style of teaching in which he stresses the basic concepts and does not get caught up in details," said senior chemical engineering major Evan Kokoska of Terre Haute. Kokoska is vice president of Omega Chi Epsilon.

Transylvania U. prof reports finals are a long-running nightmare

(CPS) — Finals may seem like a bad dream to many students. Now a professor has found they are nightmares that don't go away.

Many people report still having nightmares about finals 20 years after graduating from college. Dr. Anne Shurling, a psychology professor at Transylvania State University in Kentucky, reported Jan. 9.

Shurling surveyed people who graduated from Transylvania from 1968 to 1978 and found that 27 had bad dreams about finals while they were in school. Of the people who had the dreams, 82 percent said

they still have nightmares about the tests.

Finals, Shurling said, consist of "three or four days of pressure that is repeated at the end of each semester. A student who successfully completes four years of college will have undergone as many as eight sessions of final examinations. Repeated pressure of that nature can easily have a lasting effect."

The most common dreams were of not being able to find the classroom where the test was to be given and of forgetting to drop the class.

Faculty gives integrated frosh curriculum green light

by Craig Stucky

At the recent institute meeting, held Jan. 16, several important issues were discussed. Among these was the Integrated First-Year Curriculum in Science, Engineering and Mathematics. A motion having been made at the Jan. 10 meeting to implement the program, the new curriculum was discussed and approved for use in the fall of 1989 for a volunteer group of up to 120 freshmen.

According to Dean of Faculty James Eifert, the Integrated Curriculum is the result of the work of several members of the Rose-Hulman faculty. It is a combination Calculus I, II, and III, Mechanics/Statics, Electricity and Magnetism, General Chemistry I and II, Graphical Communications, Computer Programming, and Introduction to Design.

It combines these classes so that related concepts in different subjects may be taught at the same time, instead of separately for each subject over and over. Eifert feels that it is "unfortunate to teach in little boxes" as he referred to the current method of

teaching each class separately. He noted that in real life applications, several concepts were usually necessary to make a project work.

For example: Calculus is a necessary tool in physics. The idea is to teach a calculus concept in one place at the same time (or shortly before) it is needed in physics. This should prevent overlapping, especially since all of the professors teaching the subjects will be collaborating together to maximize the effect of the subjects.

Eifert pointed out that a small school like Rose-Hulman is an ideal environment to run a test program such as this. Here, as opposed to a large campus, all of the departments are physically located close together. This makes communication and cooperation much easier than at institutions where each department is a huge separate block or building.

While the 120 volunteers are going through the program, constant evaluations and improvements will be made. During the summer of 1990, further changes will be made and the pro-

gram will be run again for 120 freshmen volunteers in the fall of 1990.

After the second year is complete, further evaluations will decide what will be done next. One choice would be to continue the program on a volunteer basis. Another option, if the curriculum proved to be exceedingly superior to the current format, would be to implement it as the required program for incoming freshmen. A last choice would be to learn what could be learned and scrap the program altogether. But Eifert stated that this would only be done in the event of the program's failure.

He said that if there was possibly a way to improve the quality of education available at Rose-Hulman, it was well worth achieving that quality through a new method.

Watch for comments from some of the creators of the Integrated Curriculum and for more details about how the program will be run in the next issue of the *Rose Thorn*.

TI donates experiment PC boards to EE/CO Department

by Chris Sloffter

The Rose-Hulman Department of Electrical and Computer Engineering recently was the recipient of a donation made by Texas Instruments, Inc. of Dallas, Texas.

The donation consisted of four SN74AS888/890 bit-slice processor components valued at approximately \$2500 each.

The printed circuit boards find use in dedicated, specialized computer systems such as digital signal processing, sonar, and radar. At Rose, they will be utilized by students taking EE570, a class in microprogrammable microprocessors. The students will use the boards in designing a customized central processing unit (CPU) for a computer.

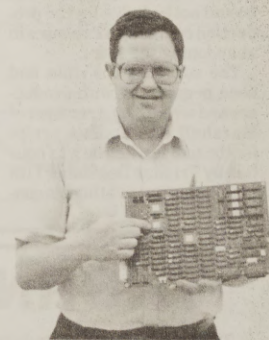
Following the design of the dedicated computer's hardware, the

students will write an applications program on their machine to show that their CPU designs may be used effectively.

The new boards replace older hardware which has been used in past years. Keith Hoover, professor of electrical engineering, says that the new hardware will make the job of CPU design much less tedious to perform.

The TI components provide means of debugging the CPU implementation without actually testing voltage levels throughout the board by hand. In addition, contents of internal memory locations and registers, which were not accessible on the previous machines, can now be displayed on a terminal screen.

Hoover feels that the acquisition of this hardware was due in part to the efforts of Rose alumni



Rose professor Keith Hoover with new PC board from Texas Instruments.

photo by: Chris Sloffter

who are involved in the project at Texas Instruments.

Rose Bookstore: The other side

by Steve Ufheil

Most of us have, at one point or another, expressed some dissatisfaction with the prices of textbooks in the bookstore. As was obvious from my editorial last week, I certainly have. After discussing that editorial with Dean Lucas and Pete Gustafson, I felt it necessary to explain the institute's point of view.

While it is true that the bookstore is affiliated with the institute, which is a not-for-profit organization, it still must generate enough revenue to meet expenses. These expenses include utilities, staff salaries, and shipping and storing textbooks.

As many of us have realized, the price of textbooks is not cheap. Books, especially engineering and technical manuals, are costly. Unfortunately these prices are not set by the bookstore. Pricing is fixed industry wide by the

publishers. While it is true that the costs of textbooks could be reduced some, the price reduction would not be enough to be noticeable.

From the bookstore's point of view, it is very hard to budget so they will break even at the end of the year after meeting expenses. Last year the bookstore operated on over a half a million dollar budget. They had a sales volume of over \$390,000 and a margin of 11% before expenses. Any excess money from the bookstore goes into institute projects at the end of the school year.

Lucas explained that while it is not the intent of the bookstore to gouge students, it is necessary for them to at least meet expenses. If the bookstore loses money then that money must be made up somewhere else. This line of ac-

tion would probably result in increased tuition.

The administration and staff of the bookstore are currently reviewing all prices with the intent of keeping them as reasonable as possible. Conferences with representatives of other college bookstores across the midwest show that the current prices we pay for textbooks are either equal to or lower than the prices paid by students at other colleges.

Perhaps the greatest savings of all could be accomplished by not buying textbooks. While this is not totally possible, it would help if professors would require only those books which will actually be used in the class. This is opposed to buying books and then having them sit on the shelf because the professor doesn't like it or would rather teach from his or her own notes.

ROSE-HULMAN JAZZ CONCERT

The Rose-Hulman Jazz Band and Glee Club will be presenting its first jazz concert of 1989 on Friday, Feb. 3. The concert will take place at the **Worx** in the Hulman Memorial Union and will begin at 7:30 p.m. Admission is free, and refreshments will be served.

Opinions and Columns

Letter to the Editor

Editor:

Grow up you guys! Life will not always be easy or fair. Learn to deal with it.

Paying \$2 for a transcript is no big deal if you get a \$30,000 job out of it. Keep things in perspective.

I don't know what you consider a "full load," but I've never paid more than \$175 a quarter for books. Where in the world did you get \$350?

If you think you have problems now, wait a few years and reread your editorial then. Maybe then you will appreciate how good a school Rose really is and how few problems (i.e. Hunger and War) you have.

Sincerely,
John Warren
Dear John:

In response to your letter, pointing out things that one does not think is fair is an appropriate way of dealing with it in this country.

As for your comment about the prices in the bookstore, you are correct. Those figures were a misprint. They should have read, "students taking a full load spend between \$150 and \$200 a quarter for books. This is a far cry from the approximately \$350 a year that the people in admissions quoted."

Steve Ufheil
Editor, Rose Thorn

Entertainment Briefs

'Mississippi Burning' named National Board of Review's best film

(UPI) - The movie "Mississippi Burning," which was released the week of December 7, has swept the National Board of Review's 1988 film awards, taking best film, best actor, best supporting actress and best director honors.

The Orion Films production deals with the battle for Civil Rights in the South. Among the winners from "Mississippi Burning" are the best actor Gene Hackman, best director Alan Parker and best supporting actress Frances McDormand.

Other awards handed out by

the panel of movie critics, historians and filmmakers include one to Jodie Foster as best actress by unanimous vote for her role in "The Accused." River Phoenix was named best supporting actor for his work in "Running on Empty."

Other winning films in order were "Dangerous Liaisons," "The Accused," "The Unbearable Lightness of Being," "The Last Temptation of Christ," "Tucker," "Big," "Running on Empty," "Gorillas in the Mist" and "Midnight Run."

Dreyfuss sues Tri-Star Pictures

(UPI) - Actor Richard Dreyfuss is suing Tri-Star Pictures, saying he did not "quit" work on the movie "Fifty" and should not be liable for the production company's expenses in abandoning the film.

The suit says Dreyfuss had been negotiating with producers and writers on a revision of Marshall Brickman's script for the movie when he was notified by Tri-Star December 11th that it was terminating his contract.

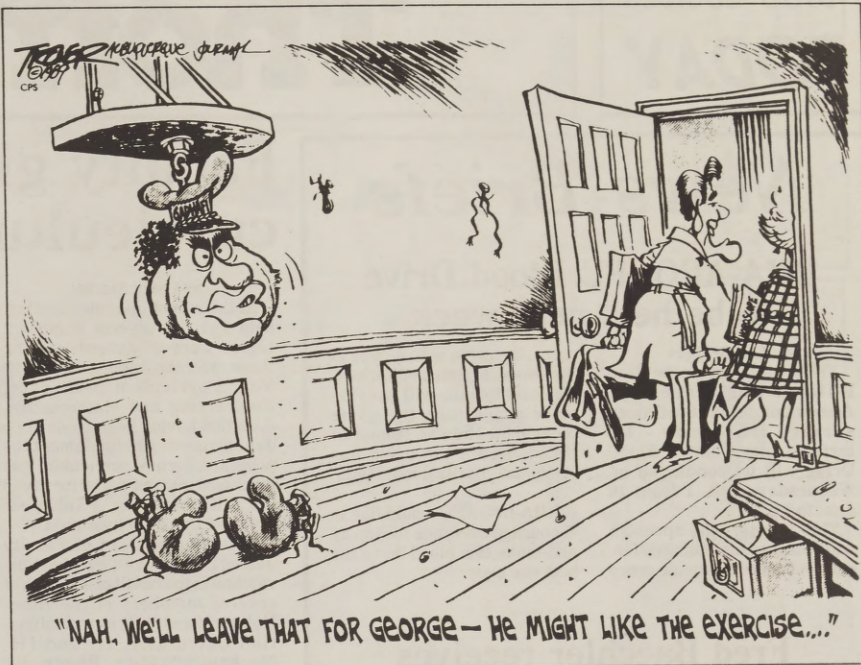
Also according to the suit, Tri-Star contends Dreyfuss made "unqualified statements" to director Mark Rydell during a creative meeting and that Dreyfuss had "quit" so Tri-Star had no choice but to abandon the film. The suit contends Tri-Star was misinformed about Dreyfuss quitting the show, which also was to star Marsha Mason, and that its decision to abandon the project was an "overreaction."

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The Rose Thorn welcomes letters or comments from readers. Articles, ideas, and announcements are also desired. In view of length constraints, we reserve the right to limit the lengths of comments and use excerpts from letters. All submitted material must be signed. All material should be submitted at least one week prior to publication.



1989 Grammy Award nominations announced

(UPI) - Folk rock singer Tracy Chapman tops the list of nominees for the 31st annual Grammy Awards with six nominations.

Pop vocalist Bobby McFerrin is second with five nominations, including one for best pop male vocalist, record and song of the year for the upbeat "Don't Worry, Be Happy," and album of the year for "Simple Pleasures."

Chapman is nominated in record and song of the year for the single "Fast Car," and album of the year for the self-titled "Tracy Chapman."

Chapman also earned nomina-

tions for best new artist, best contemporary folk recording and best pop vocal performance by a female.

McFerrin also is nominated for best male jazz vocal performance for the song "Brothers" on Rob Wasserman's album "Duets."

Anita Baker has four nominations, including record and song of the year, best rhythm and blues song and best rhythm and blues female vocalist for the single "Giving You the Best that I Got."

Pop singer George Michael, who was considered the hands-down favorite for nominations,

emerged with only two. One for album of the year, "Faith," and another for top male pop vocalist for the song "Father Figure."

The winners are to be announced February 22nd at the Grammy Award ceremonies telecast live by CBS from the Shrine Auditorium in Los Angeles. The telecast will be hosted by comedian Billy Crystal for the third straight year.

Competing with Baker, McFerrin and Chapman for song of the year is Sting's "Be Still My Beating Heart" and Brenda Russell's "Piano in the Dark."

Pat Sajak scores with talk show

(UPI) - Nielsen ratings show Pat Sajak rang up winning numbers in his first week as a late night talk show host, outscoring Johnny Carson, David Letterman and Ted Koppel.

"The Pat Sajak Show," which made its debut January 9, runs for an hour and a half, so it competes with the "Tonight" show with Johnny Carson and the first half-hour of "David Letterman" on NBC. Sajak's first half hour is also on against Koppel's "Nightline"

on ABC. But the real competition for viewers is between Sajak and long-time late night champ Carson.

For the full 90 minutes, Sajak and CBS had a 5.3 rating and a 21 share, compared to a 4.0 rating and a 17 share for NBC.

In the time period from 11:30 to 12:30 (Eastern time), Sajak earned a 6.1 rating and a 21 share, compared to "Tonight's" 5.3 rating and 17 share.

On the first night Sajak was

competing with the "Tonight" show without Carson, Jay Leno was host. On the second night Sajak was up against a "Best of Carson" repeat. On the last three nights, however, it was Sajak versus Carson.

"Nightline" had a 5.0 rating and a 14 share during the same week.

Each ratings point represents about 904,000 households and a share is the percentage of TV sets tuned to a particular show.

Billboard's Top 20 Music Charts

Top 20 pop singles

- Two Hearts - Phil Collins
- When I'm With You - Sheriff
- Armageddon It - Def Leppard
- Don't Rush Me - Taylor Dayne
- When The Children Cry - White Lion
- Straight Up - Paula Abdul
- Born To Be My Baby - Bon Jovi
- The Way You Love Me - Karyn White
- Wild Thing - Tone Loc
- All This Time - Tiffany
- Holding On - Steve Winwood
- My Prerogative - Bobby Brown
- I Wanna Have Some Fun - Samantha Fox
- The Lover In Me - Sheena Easton
- Smooth Criminal - Michael Jackson
- Every Rose Has Its Thorn - Poison
- Put A Little Love In Your Heart - Annie Lennox, Al Green
- She Wants To Dance With Me - Rick Astley
- Walking Away - Information Society
- What I Am - Edie Brickell, New Bohemians

Top 20 albums

- Don't Be Cruel - Bobby Brown
- Appetite For Destruction - Guns N' Roses
- Traveling Wilburys - Traveling Wilburys
- Hysteria - Def Leppard
- Open Up And Say ... Ahh! - Poison
- New Jersey - Bon Jovi
- G N' R Lies - Guns N' Roses
- Giving You The Best That I Got - Anita Baker
- Rattle And Hum - U2
- Cocktail - Soundtrack
- Shooting Rubberbands At The Stars - Edie Brickell, New Bohemians
- Silhouette - Kenny G
- Journey's Greatest Hits - Journey
- Delicate Sound Of Thunder - Pink Floyd
- Green - R.E.M.
- Greatest Hits - Fleetwood Mac
- Hold An Old Friend's Hand - Tiffany
- Faith - George Michael
- American Dream - Crosby, Stills, Nash and Young
- Till I Loved You - Barbra Streisand

"Rapids of Change" — A review

Futurists discuss change, future at weekend symposium

by Keith Miller

The impact of change on our lives today and in the future was the focus of discussion Jan. 21 during the first of a series of seminars open to the public at Rose Hulman entitled, "The Rapids of Change: The Rose-Hulman Forum on Change."

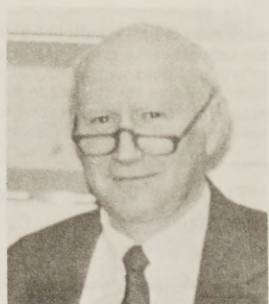
The purpose of the seminar, held in room E-104 of Moench Hall, was to make Rose-Hulman students more aware of the changes they will encounter. "It is essential that our students understand that their technical and scientific education will make them instruments of change in a future society which will be radically different from today's," said Alfred Schmidt, professor of mathematics and seminar coordinator.

Speaking at Saturday's seminar were author and futurist Robert Theobald; John Hague, chairman of the Indiana Corporation for Science and Technology; and Samuel Hulbert, president of Rose-Hulman.

Dr. Hulbert opened the seminar at 11:00 a.m. with a presentation about improvements he believes must be made by our educational system if the U.S. is to become competitive economically during the 21st century.

He cited numerous shortcomings in American elementary and secondary school educations compared to foreign countries such as Japan and the Soviet Union, and contended that the lack of leadership provided by engineers today is a consequence of this education.

Hulbert noted, "In West Ger-



"A study of the historical, literary, philosophical and artistic contributions of society provides a basis for developing a sense of public service and concern. . ."

— Samuel Hulbert



"Cultures confronted with new technologies die. They don't die gracefully. We cannot afford to travel this path of history."

— Robert Theobald



"In the 'good ole days' it took your competitor a certain amount of time to react to your new product. Now you enter a product into the market and worry about the competition the next morning."

— John Hague

photo by: Matt McDonough

many, a majority of the corporate leaders are alumni of technical universities.... In Japan, more than 65% of the members of the board of directors of the nation's leading companies have graduated from science and engineering programs.... An analysis of biographies showed that only 81 of the 1000 [American] CEO's were educated in engineering or science."

Hulbert said that in order for Americans to compete in the 21st century, the high priority for our total educational system must be the teaching of citizenship, and the engineering education must be better balanced with foundations in science, mathematics, and the cultural, social and poli-

tical contexts of American society.

"A study of the historical, literary, philosophical and artistic contributions of society provides a basis for developing a sense of public purpose and concern, broadens one's judgment, gives meaning to experience, and enriches the personal life of the individual," said Hulbert in his concluding remarks.

Theobald discussed global and sociological changes that are affecting the rich and the poor in his 1:00 p.m. presentation. He emphasized that man is stretching his environment beyond its limits, and living beyond his means.

"Cultures confronted with new

technologies die. They don't die gracefully. We cannot afford to travel this path of history," said Theobald. He cited as specific examples the controversial issues of drug abuse and abortion, pointing out that until the true underlying issues are faced, the problems will only grow larger.

"The only way we are going to solve the drug problem is to admit that all substance abuse is wrong.... including alcohol and smoking." The bottom line to the abortion controversy, according to Theobald, is the question of why there are so many unwanted pregnancies.

He pointed out that not one American pharmaceutical com-

pany is doing birth control research. He concluded stating that groups must be formed for effective change, because the battle cannot be won by individuals.

At 2:30 p.m. John Hague discussed the latest developments in science and technology that will change our lives in the next century.

He noted the rapid nature of change today, stating that ideas go quicker from the lab to the marketplace today than ever before, and that scientists and engineers have no time to relax.

"In the 'good ole days' it took your competitor a certain amount of time to react to your new product. Now you enter a product into the market and worry about the competition the next morning," said Hague.

He pointed out that there has been a tremendous change in consumer attitude about change. Now they associate change with quality and embrace it, whereas in the past the consumer fought against change.

In the future, Hague looks for specific changes in business. These changes include more automation in product design, employers becoming more managers than performers, teachers becoming managers of information systems rather than transmitters of information.

Also, he believes that education will be increasingly influenced by artificial intelligence, and that only the lean and mean organizations will endure.

The seminar concluded with a question and answer session after the last speaker.

This year's frosh: Depressed, disappointed & debt-ridden

by J.M. Rubin

(CPS) — This year's freshmen are depressed, disappointed and debt-ridden, the biggest survey of national student attitudes reported Jan. 9.

The findings of the American Council on Education and University of California at Los Angeles annual survey of 308,000 freshmen paint a picture of collegians "who are not sanguine about the future," summarized UCLA's Kenneth Green.

A record number of students, for example, reported frequently feeling "overwhelmed" and depressed.

"We have very high suicide rates among college students now," added Alexander Astin, the UCLA professor who directs the survey.

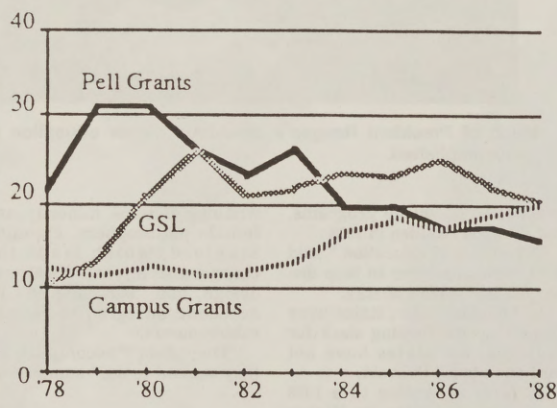
He attributes them to "tremendous pressures on young people to achieve." Whatever the reason, 10.5 percent of the nation's freshman surveyed reported feeling depressed frequently, up from 8.3 percent of 1987's freshmen and 8.2 percent of the 1985 freshman class.

More than one of every five freshmen felt "overwhelmed by all I have to do."

Green added freshmen may be unhappier than previous generations because "a larger number than ever before are not attending their first-choice college."

"First-choice" colleges are often expensive, and the survey indicated students are not getting

Freshman Participation in Student Aid Programs (percentages, 1978-1988)



enough financial aid to afford them. Those who are getting aid are getting it in the form of loans that have to be repaid.

Only 15.6 percent of the students entering college for the fall 1988 term received Pell Grants, which don't have to be repaid. It was the lowest level in the survey's history, Green said. In 1980, almost a third of the freshmen got grants.

"The federal government has, in effect, cut back on most of the financial aid programs intended to help college students from low-

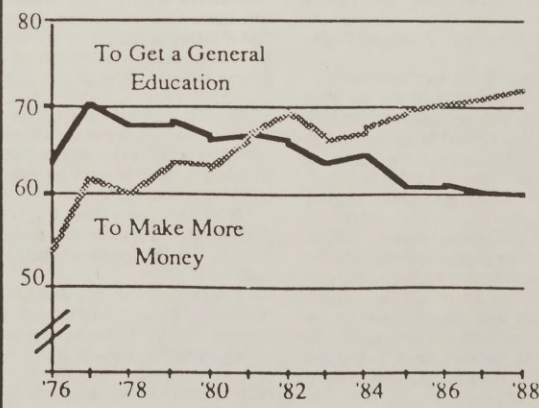
and middle-income families and the nation's colleges and universities."

As a result, he said, "the burden of paying for college has shifted increasingly to the students, their families and the nation's colleges and universities."

The resulting money pressure apparently has changed the way the freshmen view the world. The economic recession that plagued them in many farm and energy states changed the students, too.

"These are the children of eco-

Reasons for Attending College (percentage indicating "very important")



omic upheaval," Green said. "The recession of the 80s was worse than anything since the (Great Depression of the 1930s). Their loss of faith and preoccupation with jobs comes from that."

A record number of freshmen — 72.6 percent — said they were going to college primarily to get higher paying jobs later in life.

By contrast, a majority of freshmen in 1968 viewed "the college years as a time for learning and personal development," Green said.

This year's freshmen "are like their grandparents who experienced the (Great Depression."

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Coach George Patterson, left, and Athletic Director Gene Mitz holds the Jess Lucas Spirit Award.

photo by: Chris Sloffer

Rose to present Spirit Award

by Steve Ufheil

Beginning this year, Rose-Hulman will start a new tradition by awarding the Jess Lucas Spirit Award. This award will be presented to the club or organization that exhibits the most spirit during Engineer home football and basketball games.

The trophy, which is a travelling trophy, was named after Jess Lucas, the Rose-Hulman Dean of Students, in honor of his 20 years of service and dedication to the institute. According to Gene Mitz, Athletic Director at Rose, the award recognizes the type of support that Lucas has given to the institute over the years.

The award is intended to make the student body feel more like a part of the team. According to Mitz, the coaching staffs of both the football and basketball programs feel that student support is essential to their success.

Mitz cited the belief in the twelfth man in football and the

sixth man in basketball, in which the support of the crowd can help to win or lose a game. Mitz also remarked that the turnout to Engineer athletic events so far has been excellent. The Engineers are

"Turnout to Engineer athletic events so far has been excellent."

currently undefeated in football and have only lost one basketball game when playing at home, a result due in part to the enthusiasm of the student body.

The club or organization who wins the award will have their name engraved on the trophy and will retain possession of the trophy for the following year. The winning organization will be voted on by the coaching staffs and the teams. The presentation will be made during the halftime

of the last home basketball game. Anyone wishing to view the trophy may do so in the Hulman Memorial Union.

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Reagan leaves a trail of abandoned, unaccomplished college goals

The Reagan Legacy, Part II
by Michael O'Keeffe

(CPS) - As Ronald Reagan leaves office in a flurry of farewell broadcasts and parties, he leaves behind much of the ambitious college agenda he outlined eight years ago either unaccomplished or simply abandoned.

That's good news to Charles Saunders of the American Council on Education, which represents college presidents in Washington, D.C.: "Fortunately, the Reagan administration's legacy is not as serious as they would have liked."

Yet the administration's failure to accomplish many of its campus goals — abolishing the U.S. Department of Education, shifting the responsibility for funding campuses from Washington to the states, ending alleged waste and fraud and getting colleges to adopt courses that incorporate "family values" — is upsetting to others.

"They were not successful," said Jeanne Allen of the Heritage Foundation, a conservative think tank that helped formulate much of the administration's education agenda. "There is little legacy."

Not all of Reagan's higher education goals remain unaccomplished, of course. Officials kept their pledge to reduce federal spending for higher education by halting direct aid for campus housing and libraries and by doing away with aid programs like student Social Security and the Middle Income Student Assistance Act.

Between 1981 and 1988, moreover, the administration dramatically shifted the nature of student aid from grants to loans.

For good or ill, the shift is likely to be President Reagan's most enduring reform of American colleges.

"We're not likely to see a shift (back to grants) in the future," observed the College Board's Gwendolyn L. Lewis.

Otherwise, observers think historians won't be able to point to many other long-term impacts of the Reagan years on the way students go to college.

When pressed, they mention how William J. Bennett, Reagan's second Education secretary and now "drug czar" in the Bush administration, helped start a lively national debate about the quality of college education.

Bennett regularly blasted the nation's higher education leaders as wasteful price gougers who pushed for higher federal funding, raised tuition exorbitantly and offered students poor educations.

Such tactics, said Allen, effectively focused public attention on costs and quality. "Bill Bennett made sure people know what's going on with their taxes," she said.

"There's an awareness and concern about American education that was generated during the Reagan years," agreed Terrell Bell, President Reagan's first Education Secretary.

Others, however, say the tirades merely alienated educators and did nothing to improve higher education.

"I worry about to what extent Bennett's negative attacks on higher education made it difficult to achieve our goals," said Saunders. "Week in and week out, he accused students of ripping off colleges, colleges of ripping off students. What effect has that had on our nation's confidence in higher education?"

"One of the biggest failures of the Reagan administration," said Bob Aaron of the National Association of State Universities and Land Grant Colleges, "was that it failed to maximize the use of the presidency as a bully pulpit. It was erratic. It was not sustained."

Faculty and administrators were so busy defending themselves against such attacks that they had no time to work on ways to improve their classes.

"In terms of innovation, I'd give them an absolute zero," Saunders said of the Reagan administration.

At various times, the administration did propose plans to give parents tax breaks for saving for college and to replace aid programs with an "income contingent loan" which students repay in increments depending on how much they earn after graduation.

While the income-contingent loan idea is still being tested — students so far generally have not been using it — most of the administration's other innovations were offered in the name of rolling back the federal government's role in education.

"Ronald Reagan says there is no federal role in higher education," said Fred Azcarate, president of the United States Students Association. "I thought that question was settled with the Higher Education Act of 1965."

In the name of freeing colleges from federal control, for example, Reagan's Justice Dept. declined to investigate more than 300 student and faculty complaints of campus racial and sexual discrimination through 1988, the Association of American Colleges said.

For the same reason, it approved tax breaks for Bob Jones University, a private religious college that forbids interracial dating.

President Reagan also sought to dismantle the U.S. Dept. of Education, which administers



Much of President Reagan's ambitious higher education agenda remains abandoned or unaccomplished.

College Press Service/Sygma Photo

most federal college programs, but dropped the idea in 1983.

"The Dept. of Education," said Bell, who was hired to help dismantle it, "is here to stay."

In Reagan's view, states were to pick up the funding slack for colleges, but states have not rushed in to fill the void.

In fact, according to a 1988 study by the Center for Higher Education at Illinois State University, states' higher education spending during 1987-1988 represented 8.1 percent of their budgets, down from 9.2 in 1980-81.

On the other hand, the administration endorsed extending federal control over students by making them swear they did not use drugs and had registered for the draft in order to get federal student aid.

It expanded Washington's role on campuses, too, by asking librarians to report which foreigners checked out what books, limiting scholarly exchanges with experts from certain countries, threatening to withhold funding from professors whose work did not meet the approval of Chester Finn, the highly ideological chief of the Education Dept.'s research office, and by campaigning to stress the "role of religion" in textbooks.

Bennett, especially, was not shy about forging a federal role in telling campuses what to teach and not to teach.

In 1988, for example, Bennett chastised Stanford University for altering its "Western Civilization" curriculum to include the

writings of some minority and female philosophers, claiming Stanford, which made the changes after a year of debate and design, had "surrendered" its academic integrity to campus rabble-rousers.

"They didn't accomplish all they wanted to do," summed up

Aaron. "It's been a very mixed bag."

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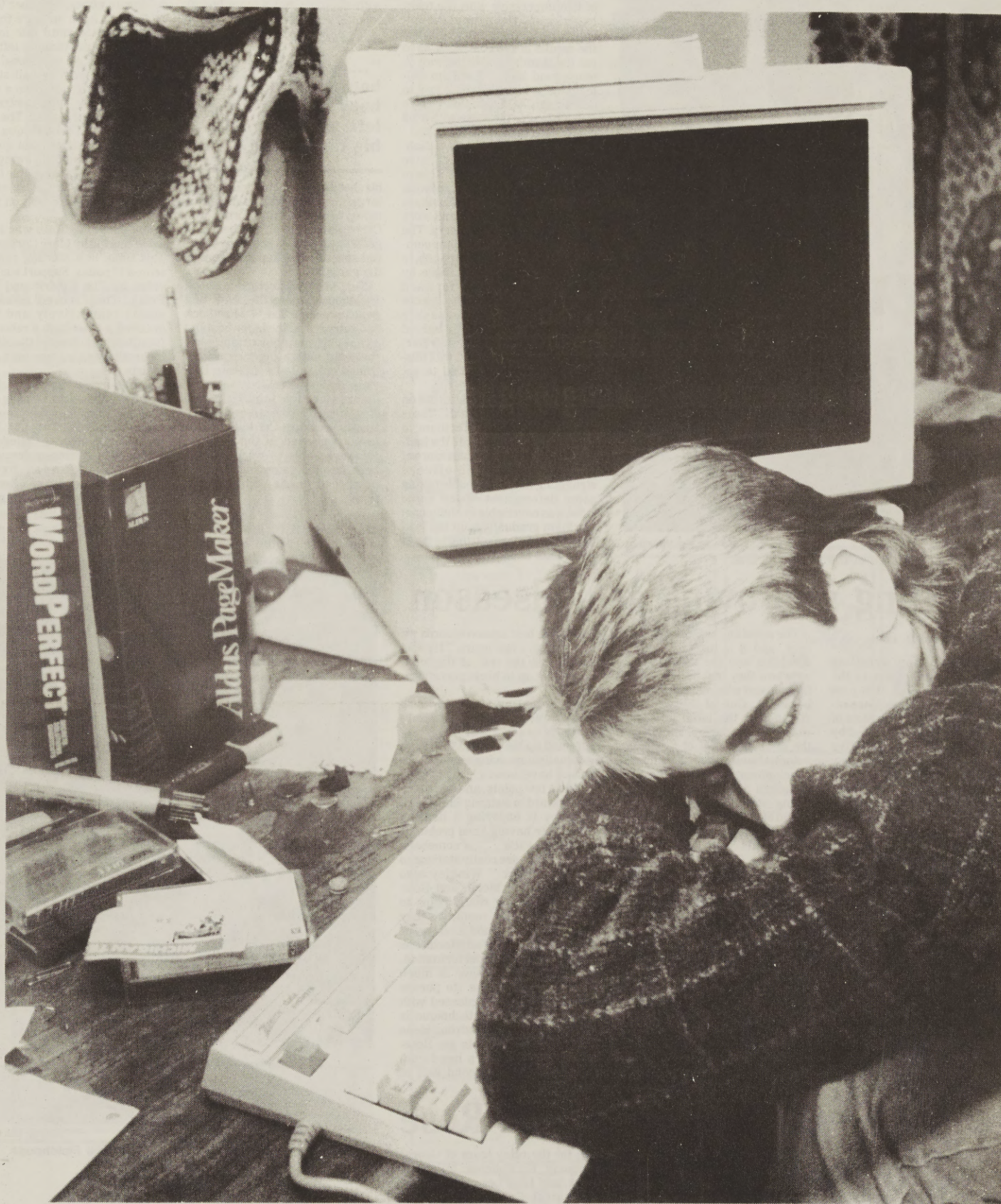
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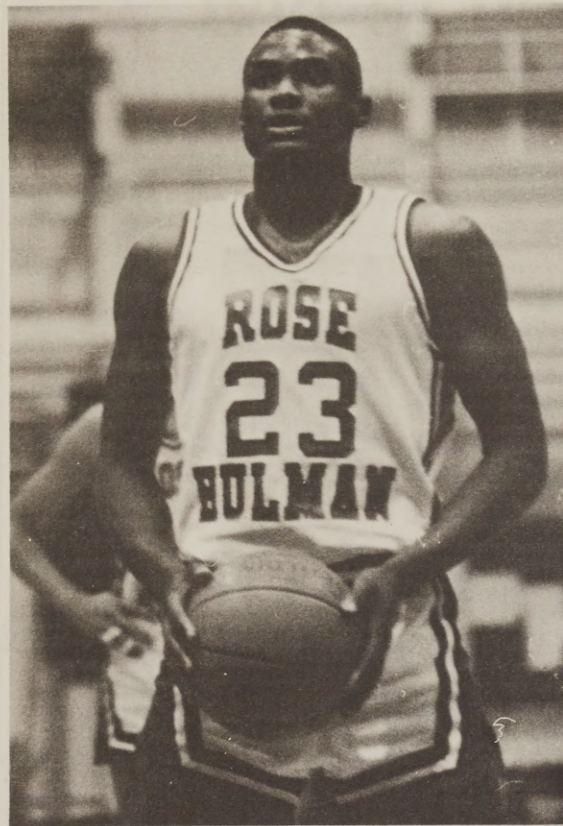
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Basketball

Roller coaster descends, basketball now 9-6



Jeff Harrison at the freethrow line.

photo by: Matt McDonough

by Mike Lindsey

The middle portion of the Engineer's season has turned into an up and down affair. Coming off of two impressive wins the team looked primed for a run at the College Athletic Conference title, but the results of the past week have put the team's back to the wall. A tough road loss to Earlham College and a heartbreaking loss to defending CAC champion Centre College leaves the team with a 1-2 conference record.

In the game played at Richmond, the host Quakers' size proved to be too much for Rose to overcome. With an inside rotation of three 6'7" players, Earlham forced the game inside and wore down the smaller Engineers. The three big men for Earlham combined for 36 of the team's points, to offset a 3 point performance by their all-conference forward Brian Clements. The game opened up good for Rose as they took an early 11-6 lead, behind eight points from senior Jeff Harrison. But the early lead was misleading since Rose failed to get the offense on track.

Foul trouble also took its toll on the team in the first half. These two factors allowed Earlham to take a five point lead into the half-time. The second half was more of the same. With the offense struggling and foul trouble taking some defense out of the game Rose was never able to challenge. Earlham gradually built the lead to 15 points before settling to the 13 point final advantage.

A couple bright spots from the game were the plays of Harrison and sophomore guard Marc Christman. Jeff finished the game with 13 points and a team high 9 rebounds while hitting all five of

"... Centre ended the homewinning streak, but more importantly left the team with a big task ahead."

his shot attempts. He could also be largely credited with holding Clements to his season's scoring low. Christman came off the bench to get a team high 16 points on some fine shooting that kept the team in the game.

Next brought a return to Shook Fieldhouse where the team had gone unbeaten. The 78-68 setback to Centre ended the home winning streak, but more importantly left the team with a big task ahead. The score fails to indicate how close the game really was. After Centre moved out to an early lead, Rose turned on the offense. By patiently working the ball until a break surfaced in the defense, Rose was able to work its way back into the game and cut the 8 point lead to one point by half-time.

The second half was a classic battle for the first 15 minutes. The teams traded baskets continuously by working their patient deliberate attacks. Neither team was able to open up more than a four point lead until late in the half. With five minutes left, an official called an intentional foul on Rose away from the ball, stopping what would have been a wide open lay-up and giving Centre two free-throws plus the ball. The visitors sank both free-throws and then popped a three-point goal to complete a seven point swing. After that Rose was never able to get within 5 points as Centre ended the game by converting on their free-throws.

For the game, Rose was again led in scoring by Marc Christman. This time, in a starting role, he scored 17 points. Support was provided by Tim Cindric and Britt Petty. They scored 16 and 14 points respectively and both grabbed a team high 6 rebounds. Ron Steinhart directed the offense by handing out a game high eight assists.

The team must bounce back this weekend and start the roller coaster back up as they face two conference rivals. Tonight Rose plays host to Rhodes College in a CAC battle getting underway at 7:30. Then Sunday brings Sewanee to town for an afternoon game that will start at 3 p.m.

Wrestling improving at midseason

by Hyrum D. Lunt

The Rose-Hulman wrestling team took five members to the Elmhurst tournament this past weekend. The tournament was extremely competitive with most of Rose's matches being decided by three points or less. The five wrestlers brought back two placing and six wins between them. Matt Morin, 150 lbs., was seeded in second place and missed up-setting the top seed in the finals by only one point. The final score was 5-6. Morin went 3-1 for the weekend and brought home a second place medal. The other wrestler to place was 142 lbs. Jim Winkley who earned fourth. He improved his record by beating two of his competitors. He lost the semifinal match by a single point when his opponent got a takedown in the last ten seconds. Three other wrestlers also competed at the Elmhurst Tournament. They were Matt Murry, 126 lbs.; Dave Koehl, 158 lbs.; and Spiro Megremis, 167 lbs. The team overall placed 13th out of 16; an excellent showing for as few wrestlers as participated.

The wrestling season is halfway over, and it is time for both individuals and the team to evaluate how they feel they have performed and what changes need to be made. One of the wrestlers stated that the team needed to work on consistency. He felt that the team has a lot of talent and potential which are only in need of development. Several of the other wrestlers also felt that this is a young team with a great future ahead of it. One of the sophomores said that the team is looking a lot better this year, a sentiment echoed by Coach McGrath. The team is missing three weights, and has had to deal with several injuries to its wrestlers. However, Coach McGrath has hopes that the team can get in shape for the Rose Invitational/ICAC tournament to be held here at Rose-Hulman on February 4. "If we can get our best wrestlers in there... we have a shot at winning our own tournament and placing near the top of the ICAC." Coach McGrath also commented on the great seasons of Morin and Winkley, citing the fact that both have at least ten wins. "They have a chance at hav-

ing... the best season records we have had in a few years." He also stated that the rest of the team was living up to his expectations.

In evaluating their own seasons, several of the wrestlers were pleased. Matt Murphy summed up the year so far as, "a gradually improving season." His losses have been close, usually within a few points, and he is looking forward to a strong finish. Jim Winkley is enjoying a healthy year after having knee problems last year. "It's... a comeback year. Things are really starting to come together." Winkley also complimented Morin and Bowman saying, "It really helps to have them in the room... they wrestle well... and know what they are doing." Matt Morin was pleased with his performance. "Although I don't have as much time as I would like (to pursue wrestling)... I'm pleased with how I've done. My technique is getting better." With strong ideas of where they want to go, Rose-Hulman's wrestlers head confidently into the second half of their season.

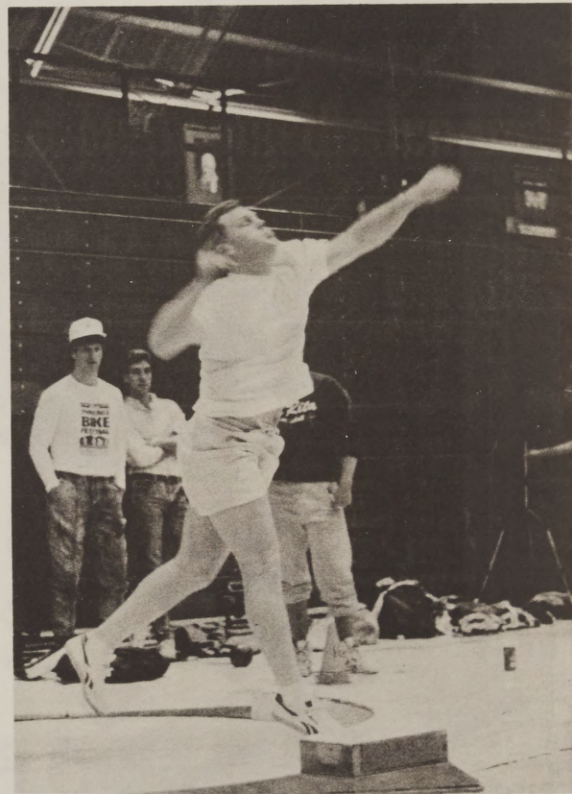


photo by: Matt Morris

Kirk Bailey puts it away in Shook Memorial Fieldhouse.

Swimming Club competes for Rose

by Chris Slosser

January 21, marked what athletic director Gene Mitz called, "An eventful day in Rose-Hulman sports history." Ten students participated in an inter-collegiate swim meet at DePauw University. This was the first such aquatic event for Rose-Hulman.

The DePauw Invitational swim meet consisted of the host DePauw team, Washington University of St. Louis, and the Rose-

Hulman Swim Club, which is made up of ten students.

While the Rose Swim Club placed last in the meet standings, there were some outstanding individual performances. Against Washington University, highlights included a third-place finish in the 200-yard freestyle by Mike Lesniak, a third-place finish in the 50-yd. freestyle and a first-place in the 200-yd. backstroke for Rodney East, and a second-place fin-

ish for the relay team of George Shumay, Ed Fancher, Mike Lesniak, and Rich Lesniak.

Against DePauw, good performances were turned in by Mike Lesniak, placing third in the 200-yd. freestyle, Rich Lesniak, placing third in the 200-yd. I.M., and the second-place finish for the relay team of Shumay, Fancher, Lesniak, and Lesniak.

Other contributing club members were: Chris Reed, Kynan Church, Ned Zimmer, Dave Ivaldi, and Matt Adams.

The Rose students were "very enthusiastically received at the meet," said Mitz. "We are very enthusiastic about our swim club, and feel we are moving in the right direction to form a swim team at Rose."

The club, which has only been practicing for two weeks at ISU's Tirey Pool, plans to attend two more meets this year. They will swim against DePauw's junior varsity team on February 9.

Indoor track opens season

by Ken Koziel

The Rose-Hulman track and field team recently began its season upon its return from the holiday vacation. Thus far the team has competed in the Rose-Hulman All-Comers meet, the Purdue Open, and also at Eastern Illinois. Coach Welch, unfortunately, was hospitalized during vacation and, although ill, still managed to see some early performances.

Welch remarked early on that the throwers, although young, looked promising, and that the vaulters were really coming along. Last Saturday the team performed well, especially in some select running events. In the 800, Jason Lueking and Greg Di-

xon turned in impressive times of 2:00 and 2:01, respectively. Bob Jacobs added to the list with a clocking of 4:31 in the mile run. Welch added that all "four legs of the mile relay showed promise," and that he is "altogether happy with the results" of the whole team.

"These meets are just to see where we're at, to get used to the competition, and not to worry about beating somebody or not," Welch said. Coach Welch returned just this week to practices and is ready to successfully defend the CAC crown with ten straight championships on the line. It sure is great to be back!

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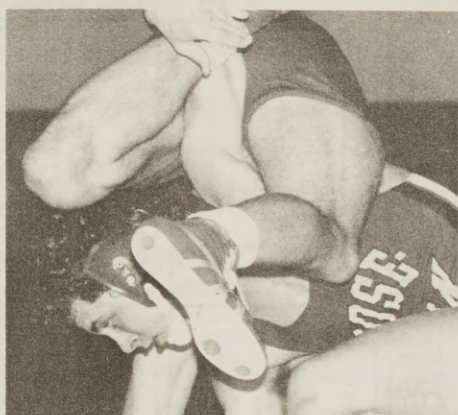
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Wrestling/Bloom County



file photo
Matt Morin throws a Wabash wrestler over his shoulder.

Matt Morin: On top of it all

by Marc Dunn

Resembling a stocky Shirley Temple from behind, this 150 pound mass of a freshman granite by the name of Matt Morin is making news in the wrestling scene at Rose-Hulman. Excelling in wrestling is not uncommon to Matt. He started wrestling in the fourth grade, primarily due to watching his older brother wrestle. Matt always enjoyed the family support while growing up in Spencer, Indiana. Along with a lot of hard work, Morin soon developed a talent for winning.

His freshman year of high school, Matt showed a lot of promise carrying a win-loss record of 15-11-1. Heading into his sophomore year Matt started taking Indiana by storm and finished with a 27-4 record for the season. His junior year went much the same, making it to sectionals and finishing with a 22-2 record. After two years of doing well, but not good enough, Matt became a grappling machine in the 145 lbs. weight class, flattening opponents left and right, eventually winning the state championship and finishing the season at 38-0.

The story does not end there.

Matt arrived on the Rose campus with a goal to be the best grappler ever at Rose; And he could be well on his way. Wrestling in the 180 lbs. class, Matt has competed in three tournaments thus far. Little State, being his first tournament of his college career, he placed third, being beat by the defending champion 5-3. Going on to Olivet-Nazarene college, Matt improved and placed second, losing in a close match in the championships. In his most recent tournament at Elmhurst, Matt did even better, tying his opponent in the final match, but then losing 6-5 because his opponent maintained control just a little while longer.

Being a freshman, though, Matt should only improve and does not have far to go before making a major impact in the regional area.

An Applied Optics major, Matt excels in academics as well, pulling a 3.882 GPA his first quarter at Rose. An excellent athlete, an outstanding student and an all-around nice guy, Matt Morin is a great example of what Rose-Hulman attempts to exemplify in its students.

BLOOM COUNTY

by Berke Breathed



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Memo to: Anyone who gives a damn
From: President (and don't you forget it!)

The recent outbreak of "Winter Weather" reminds me that it is probably prudent to restate the general Institute policy regarding operations during inclement (that means "bad", you bozo) weather. Many of you were smart enough to not be here last year, and those of us who were didn't read this letter then, either.

First of all, any decision to close or cancel classes is made by me, or in my absence (fact finding trip in Bermuda, *fer* instance) by some other executive officer, such as Mark Farmer. If none are available, we will ask Dan Quayle. The fundamental premise is that we want to keep the school open, i.e., we don't want to refund your money. With that starting point, the following questions must be considered in making a decision:

- 1) Can the students get here by car, skis, or dogsled? (Misery loves company)
- 2) Can faculty and staff members get here? (Those who are not in Bermuda, and those who don't sleep here, that is.)
- 3) If the above can get to the campus, would they really want to? And can B&G actually do something in less than a day?
- 4) Is the wind-chill factor such that a student or employee would be in serious jeopardy if he or she becomes stranded while attempting to get from Rose-Hulman? (That money thing again...) No sane person would attempt to get here, of course.

The question of whether or not the students can get here is a fairly easy one to answer for Rosem-Hosem. The fact that approximately 60% of students suffer on campus provides a nearly immediate affirmative to this question. If necessary, the little vermin can tunnel. The issue of the other 50% of the students must be considered, of course, but the large inmate population means that they don't really count for squat. The question of whether or not employees can get here helps to answer the question about whether or not off-campus students can get here. If the staff can get here, the students are definitely smart enough to get here.

If the main intestines (we thought arteries, but this seemed a more appropriate metaphor) (i.e., I-69, Wabush, Oheydio, Poplar, etc.) are passable, then a significant portion (110%) of the employees and off-campus students have probably not eaten at ARAT. Many people don't live right on these intestines, but they at least live close enough to smell them.

We cannot wait until things have improved (by 8 am the next morning or your money back) sufficiently to permit all employees and students to get here or we would be closed a large portion of the time. This would of course be a horrible thing, enabling students to experience free time.

The last questions on the above list are really judgement calls (heads/tails) that must be made at the time. Someone has to go out and see what it's like or ask those who are stuck on the site to take a look and then has to flip a coin. Or we could always just see what the college of Our-lady-of-perpetual-agony-and-bovines is doing.

(There was a lot of stuff I was going to say here, but then I realized that no one was going to read it anyhow.)

I assure you that someone (me, Mark, or Dan) will be considering all of the factors involved when any snow begins to fall. Factors such as if we really want to see all you damn kids, and whether or not we can reach Paul Stupored at the Betty Ford Clinic. In any case, the final decision in the matter is always left to the individual student or employee. If you feel it is not safe, then don't come. You will be disciplined/fired, but you will have peace of mind, you wimp. Only I know the condition of my health (iffy), my car ('86 Yugo), my driveway (my wife is still shoveling), etc. When Rosem-Hosem remains open, what we are saying is that we believe that conditions are not totally screwed; and that when you arrive on campus we will be able to ream you as per usual.

Of course, the final factor to recognize in this is that Terrible Hole never, ever, gets bad weather! Of course, we get one inch of snow and everyone panics. The city gets out its snowplow (1) and gets to work. In the mean time, the Hauteans treat this driving hazard like they do all other hazards / obstacles to driving: they ignore it. This notwithstanding the fact that they can't drive for squat in the middle of July, much less on snow. Face it, the biggest obstacle won't be the snow (if we ever had any), but the natives. All this boils down to the fact that since we never get any snow (2 inches is just enough to cover all the work that B&G hasn't done, and to bring all the hazardous chemicals in the air to a level that is more accessible), and that anything left on the ground is there only because it is protected by a layer of Hautean Solid Air (TM), there really is no snow policy.

1. We have the Bermuda photos, and the negatives too.
2. Saves us from doing any *real* work.
3. We get to do it in exchange for running his picture on the front page every single issue.
4. We sacrifice freshmen to him weekly (They're from Dr. Schiddt's class, they'll never be missed.)
5. Someone would actually have to read us to get upset.
6. His wife pays us.
7. We need a "sacrificial cow", but the physics department won't let us use a real one.
8. He lends us his head for those tricky flash pictures.
9. We're too cute to sue.
10. If we keep him mad, he won't tell us any jokes.

by Berke Breathed

