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Modulus
1987

ROSE-HULMAN
INSTITUTE OF TECHNOLOGY

5500 Wabash Avenue
Terre Haute, Indiana
A Book for All Seasons
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Frontal view of renovated Moench Hall.

Ain't life at Rose exciting?

Rick chews on hand as Leon glares at camera.

Sunshine sparkling through a maple tree.

Speedsters playing ping pong in basement.
For the 382 members of the largest freshman class in Rose-Hulman’s history, Fall Quarter is a new experience—new friends, new classes, a new roommate, a new environment. As it does every year, adjusting to the cultural shock of Rose-Hulman requires more than academic adaption. Every freshman experiences the uncertainties of an altered lifestyle. For the rest of the student body, getting ready for those same demands—experienced just 3 months ago—may be even tougher than living through those initial few weeks as a freshman.
Parent's Association prepares pork chops for football crowd.

The Drama Club rehearses for "Bleacher Bums."

The Rose Board of Managers has saved us again from gir

Quick, call police, someone stole my classroom!

At least I won't be caught handed."
Rowdy Rosie leads the cheer of the crowd.

The Rose-Hulman campus is graced by the Shook Memorial Fieldhouse.

Even if the freshmen are confused and the sophomores, juniors and seniors look ahead with a little less than eager anticipation, Fall Quarter brings people back together. And it's always good to see friends again, if only to get some sympathy from someone who has experienced Rose-Hulman: four-hour long finals, all-night study sessions, impossible labs, a social life slightly less than exciting.

When you care enough to send the very best.

A look of Fall behind an oak tree.
Right: Soaked fans cheer on the Engineers.
Below Left: Rose Cheerleader Christi Spainhour helps keep spirits high. Below Right: The 1986 Homecoming Court. From left to right—Rochelle Banta, Vicki Vonderheit, Jill Harris, Marie Schwartz, and Cathy Rose.
Left: The bonfire, constructed by the Class of 1990, lights up the evening sky. Below: President Sam Hulbert poses with newly coronated Homecoming Queen Cathy Rose.
Who needs Britt for air travel anyway?

Enjoying Terre Haute's climate.

A trio of duos.

BSB is given a facelift.
Late Night with Speed Hall's freshmen.

The long, lonely hike down to 1st hour class.

For Sale: charming, brick, 3-story fixer-upper. Priced to sell fast.

For Sale: charming, brick, 3-story fixer-upper. Priced to sell fast.

The typical Indiana climate requires hundreds of box fans for about three weeks, then umbrellas, finally electric blankets, and then even more fans to ward off the changes. The Homecoming football game goes on in spite of the weather.

Mid-term grades arrive. The fall colors peak. Classes go on. Trees lose their leaves. Term papers come due. The wind gets cold. Finals approach. Fall Quarter marches on with the regularity of the season it is named for. Only occasionally is the schedule upset.

The long, lonely hike down to 1st hour class.

Rose-Hulman's Indiana tradition shines through in euchre.
Moench Hall is the oldest building on campus.

After having given blood the donors were encouraged to relax for a few minutes.

The Rose-Hulman Campus is one of the most scenic college campuses in the state.

The blood pressure of potential donors was checked at the campus blood drive.

This large iron device helps to decorate the Rose-Hulman Campus. That seems to be its primary function at any rate.
Games were pushed aside as Rose Students took time out of their schedules to give blood.

A Rose Student watches while his blood is taken to be given to those who need it.

Several Rose Students participated in the fall blood drive.

The traditional homecoming rivalry between the Freshmen and the Sophomores resulted in the dumping of an outhouse into one of the two lakes on campus.

If a little bit inconvenient, the renovation of Moench Hall provided a constantly changing campus scene. Walking from the mailroom in the depths of F-section to the student bank in A-section meant risking the construction traffic hazards and the ever-changing Indiana weather.

Fall Quarter finally yields to Thanksgiving Break. Ten short days later 363 of the original 382-member freshmen class trudge off to their first class of Winter Quarter, and the cycle finds its beginning.
End of an era

"Hot Dog" Til Panaranto hangs it up

The ultimate man behind the scenes at Rose-Hulman is an Italian from New Jersey. This man has never been given the credit he rightly deserves. His name is Otillio "Til" Panranto. Til has been head athletic trainer at Rose for 24 years. This former minor league baseball pitcher for the New York Yankees threw his arm out while pitching at a Terre Haute farm club. He stayed, and baseball's loss was Rose-Hulman's gain.

His next job was that of a bartender. Now, like any good bartender, Til knows a few good stories. His best tales are about his years at Rose. Some of the subjects include the days of watering down the dirt floor inside the fieldhouse and trying to stop a football player on the sidelines. He detached a biceps muscle with that stunt. Til always will have a good story.

But it is his work as a trainer for which Til should be remembered. He has been through some rough times. He started when the field of athletic training was just developing on the national scene. He achieved certification in his field of expertise and has kept pace with the ever-changing world of sports medicine. Among his highest points is his speech this past football season when he inspired the squad to a win over Rhodes College for the College Athletic Conference crown.

I personally have worked under Til as a student trainer for three years. He was always present and willing to give of his time to the teams. This included getting up at 4:30 a.m. for two-a-day practice sessions. He has taken a lot of kidding from me, especially for not knowing athlete's names and for calling everyone "Hot Dog." But he is always concerned about the athletes. I wish to thank him for his encouragement and support he has given me during my stay here. We wish him the best of luck in retirement.

By Nicholas Gunz

Athletes honor Til with color television in 1968

Til receives presidential service award in 1978

Always a dapper dresser, Til shown during bow-tie days

Countless ankles have been taped by Til in more than 200 football games and 600 basketball contests.
Til is the original “Mr. Party” as demonstrated during recent concert

A big part of Til’s job has been cleaning team uniforms, more than 150 tons of laundry.

Til has seen numerous developments in Rose athletics and in the field of mining.

Til gets tough on basketball trip during earlier days.
"We had the best record and the best defense ever," Soccer Coach Jim Rendel said of his 1986 squad.

Rendel also stated the team had shown improvement throughout the season. According to the coach, the high point of the year was the game against Centre College when Rose scored early in the contest and kept Centre from scoring for the entire game.

This year's most valuable player was Paul Price, a senior, who also led the team in scoring. Senior Paul Everline was the most improved player, and Mark Lau, a freshman, was named best first-year player. Mike Radomski, Andre Brousseau, Paul Price and Lau were named to the all-conference team in the Illinois-Indiana Collegiate Conference. Price and Lau were also all-College Athletic Conference players.

"The program has continually grown in the past four years, and with the nucleus of freshmen and sophomores, I think it will continue to improve," Rendel stated.
"An excellent team effort; probably the best this year," commented Coach Bill Welch on the Rose-Hulman Harriers' victory at the College Athletic Conference Cross Country Championship. This "team effort" definitely a trademark of the 1986-87 Harriers. The team relied on overall depth and consistent performances to lead them to success throughout the season.

The development of the depth was due, in large part, to the valiant efforts of Mark Tebbe, Kurt Kelso and Roger Hruskovich. They guided an unusually large number of talented freshmen in their first year of collegiate competition and Rose-Hulman academics.

The many victories of the season were crowned by an all-time low score of 24 points in the CAC championship meet. This was the sixth Rose-Hulman championship win in 12 years.

As a tribute to their outstanding abilities and dedication, Kurt Kelso, Roger Hruskovich, Mark Tebbe, Foley, Kenny Roberts, and Tony Kocheret were named to the 1986-87 all-conference team.
The 1986 school year began like most others, with freshmen anxiously arriving with high expectations. There was also a new football coach preparing to lead the Fightin' Engineers in the quest for excellence on the football field and a possible conference title.

Through lots of patience and determination, Head Coach Scott Duncan and his talented staff converted the offense from a wishbone attack to a passing attack and a one-dimension defense into a multiple defense. Thus, the engineers were prepared to show their stuff against MacMurray College the weekend prior to the first week of classes. Rose showed true determination by storming back from a 17-to-0 deficit with nine minutes left to win 18 to 17. Rose used this victory to set a course for an 8 and 2 record, tying the school record for the most wins set in 1958. The 1986 squad also won the College Athletic Conference title.

Duncan used a different game plan for each team to keep the advantage. This strategy worked especially well in orchestrating the defeat of 16th-ranked Centre College on a 97-yard touchdown pass from sophomore quarterback Jason Duff to senior Tim Rauch in the closing moments. This victory enabled Rose to capture its first outright grid title since 1981 with a perfect 4 and 0 mark in the conference.

“We enjoyed some success this year and hopefully we can build upon that success,” Duncan said. “But we’re not satisfied with what was accomplished. We think we can be a better football team next year.”
In front of every good quarterback is a strong offensive lineman.

RECORDS
Jason Duff—season passing attempts (289), completions (160), yards (1,731), touchdowns (14), and longest completion (97) yards
Tim Rauch—kickoff returns (46) and yards (1,001)
Grant Sharp—career punting attempts (220) and yards (8,398)
Greg Kremer—total tackles (128), Academic All-American

Greg Kremer and Brett Starr pay close attention to the action on the field.

The "Chancy Missile" unloads on another opponent.
Johnathon Q. Elkin
James William Elliott
Brian Allen Engle
Christian M. Evarts
Karl Keith Ewbank
David Michael Ewton

George S. Farber
Scott Wayne Faust
Kevin Ray Fesler
Clinton T. Filipowicz
Raymond Luke Fischer
Paul Steven Fitton

Ed A. Flake
Eric Forster
James E. Fortman
Rodger Fortune
Anthony W. Gardner
Timothy John Geswein

Jack Alan Gidding
Stephen J. Glueckert
Dana Andrew Goettert
Allen L. Hackney
Joseph H. Harrell
Ben Lloyd Hastings

David Ryan Haub
Patrick W. Hays
Christopher Wallace Heidal
Gregory P. Heimann
J. Scott Heldman
Eric Lance Helmond

Stuart Douglas Henson
Joseph Anthony Hentz
Glen James Heydinger
Mark P. Hirst
Mike C. Hoffa
John Douglas Hummel

Troy Lee Jackson
Curtis Allen Jenkins
Jeffrey Dwight Johnson
Brian Hale Jones
Steve Glenn Junker
Joseph Kanellopoulos
Michael David Poisel
William A. Pollack
Brett A. Poole
Timothy Daren Presby
Frederick Lyn Queary
Dennis Joseph Quimby

Rick Robert Radzville
William O. Reid
Rodney S. Retzner
Andy Jay Richards
Gregory John Richter
Bill W. Rose

Ryan Roth
David J. Rumble
Brian R. Runkel
Gary Lee Ruston
Dervis E. Scheib
Christopher G. Schlimm

Mark Frederick Schulz
Richard Thomas Schwaiger
John Robert Schwarzmann
David K. Shin
Gary Lynn Smith
Robert Lewis Spence

Patrick P. Speth
Kevin Lee Steele
Ron Wayne Steinhart
Dale Stevenson
David A. Stoeckel
Bradley Allen Stone

Jason W. Stone
Paul T. Stone
Daniel George Storch
David Alan Stovall
Scott A. Strayer
Keith Alan Struss

Gregory Brant Styclewicz
Brett A. Starr
Ken Lee Swank
Brent A. Taylor
Richard Alan Thielmeyer
Troy R. Thomas
Allan J. Thompson  
D. Kyle Thompson  
Mark Leon Thornburg  
Raymond Frank Urbanic  
Michael Ray Vernon  
Daniel K. Vettes

Frank Visingardi, Jr.  
Dennis A. Wagner  
George Thomas Wansel  
Scott C. Webb  
Dwight Thomas Weese  
Doug A. Weiser

Michael James Wernimont  
Neil John Wesseler  
Michael Scott Wherry  
Gregory T. White  
Jeffrey A. Williams  
David G. Wilson

Michael Ray Wilson  
Richard Dale Woodruff  
Jeffrey S. Woolwine  
Jim F. Wuerch  
Lester S. Yerger  
David T. Zimmerman

Roy A. Zimmerman
Winter
Intramurals provide a break from studies for many Rose students.

Mark Bower and Frank Visingardi relax for a few minutes early on a Saturday morning.

BSB braves another harsh Indiana winter.

Volleyball is one of the more popular spots on campus.
Winter Quarter: return from Thanksgiving, three weeks, two off for Christmas, seven more, finals, and Spring Break. If it weren't so infinitely long, winter quarter would accomplish little more than bridging the gap between fall and spring.

Before Christmas the days get shorter. Coming back in January, every day gets longer and longer and longer. Sit staring at a digital clock, waiting for the time to change; it never does until you look away. January's calendar does the same—even though each day lasts forever, the weeks go by.
Why me? I was just taking a nap.

All hail, St. Nick

It's Ok. I'm the RA

Christmas time at Rose
I hate snow.

To put the year in perspective, President Reagan is 76 this year, while Richard Nixon turned 74. C, D, and E-sections of Moench Hall are still closed. Eleven inches of snow hit Terre Haute on Friday—Indiana State and Vigo County schools closed until the following Wednesday. Pi Kappa Alpha is a colony. The Rose Technic struggles through the second year of its new life. Bloom County graces the page(s) of the Thorn. General Motors announced a nationwide hiring freeze. Cook Oil stopped selling leaded gasoline; unleaded still costs less than 80 cents a gallon. Rose still isn’t co-ed. Iran and Iraq continue to claim huge victories and massive losses for the other side. New Coke can be found in only one machine on campus; the Classic formula reigns at Rose.
Another long walk to the ARA

Tensions increase

Remember the Ski Terre Haute poster?
This year's Winter Quarter mirrors Winter Quarter from any other year. Intramural volleyball, basketball, and indoor soccer help push the time through. Calculus II, Chemistry II, mechanics, and FORTRAN keep the freshmen occupied. The VAX is available all night for anyone interested. Terre Haute drivers are still reputed to be more dangerous than the snowy roads themselves.
That's rebellion man

Three on one, that isn't fair.

Winter Wonderland

Godzilla

That's rebellion man

Three on one, that isn't fair.

Winter Wonderland

Godzilla

Set it.

Wait it is a hard choice.

Set it.

Wait it is a hard choice.
Time, as if measurable at all, keeps flowing by, unstoppable, irreversible, always wasted, never saved. How often have you watched the second hand mark off 50 minutes of lecture, or glanced up to discover four minutes left for the last two problems of an exam, or counted the final eight seconds of a basketball game? The seconds, minutes, and hours are distinct, but time is continuous. And it doesn’t stop to wait.
The union building survives another winter.

Tom Adams and Jim Carroll get a chance to perform on stage.

What's that?

Nerf basketball is a serious sport at Rose-Hulman.

Shawn Huffman, the Modulus editor, takes a break from work to pose.

Rose students work out their frustrations dreaming of the day that they will professors.
The large open places on campus were perfect places for cross country skiing this winter.

Winter Quarter is time. It's elusive. Let it slip by in its interminable slowness, and you'll swear you've missed something. It goes so fast and fools everyone into thinking it's slow. It is a paradox. The slowest times in the present are always the quickest when looking back, for there is nothing to remember except for time itself.

Is it Friday yet?

Harold Cowan and Audrey Butler prepared their Cha-Cha routine at this Winter's talent show.

Fresh snow always gives the Rose campus a fresh appearance.

Several students and friends of the school participated in a mattress pile at half time of a basketball game.
Editors note: Contrary to the Board of Managers' knowledge, Rose-Hulman does have female undergraduate students. Well, at least at football and basketball games and for off-campus tours for prospective student-athletes. These students are the illustrious cheerleaders who try to excite the Rose students. The following story was written by one of the cheerleaders.

Cheering at Rose-Hulman is different than cheering anywhere else, in one aspect, and the same in another. Cheering for an all-male school can be scary at times because you don’t know what to expect from the crowd. At times they’re extremely pumped for the game and at other times you wonder if they’re even conscious. But basically the cheerleaders get treated fairly well - after all we are female.

From a cheerleading aspect, it’s the same as cheering anywhere else. We’re trying to do a job, which isn’t always easy. This job is to let the teams know we’re backing them with all the spirit we have and to hopefully get the fans showing spirit also.

Submitted by Christi Spainhour

ISU student Michelle Buse spends many evenings lifting Rose’s spirits.
This year’s wrestling season started very well, with all ten weight classes full and some of them with several wrestlers. But as the season progressed, injuries took their toll and some of the weight classes were unfilled.

The wrestling meet schedule consisted of some tough competition as always, including a tournament of about 20 teams, many being NCAA Division II schools. The last home meet of the season was with DePauw, and this was probably the best meet of the year, as the wrestling team defeated DePauw handily in front of the largest home crowd ever.

Wes Davis set a record as Rose-Hulman’s all time leading wrestler with a 72-17 career mark.

The season ended with the NCAA regionals at DePauw against some of the toughest teams in the nation. Only one wrestler placed and that was Derrin Bluhm at third place.

The team is only losing three seniors this year, so the prospects for next year’s team look good.
President Hulbert and the bench intently watch the action on the floor.

Dave Urbanek pulls down the highly contested rebound.

Yes, mom, you do matter! James Yoakum pins a flower on his mother.
Ron Steinhart shows that concentration is always important when shooting lay-ups.

The 1986-87 Rose-Hulman basketball season was filled with improvement. The team improved the previous season’s record to 13-13 by shooting better field goal and free throw percentages and by scoring more points.

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

The Engineers took advantage of the NCAA’s new three-point rule during the 1986-87 season by connecting on 41. Freshman guard Mike Webster hit 12 three-point shots in a 76-72 loss to Eureka College in the championship of the Rose-Hulman Invitational. Against Eureka, he was 12-of-20 from three-point range and finished with 38 points—ninth highest single-game point total in Rose-Hulman’s history.

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

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

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

In mapping out team goals for the next season, Mutchner cited “Consistency” as No. 1 on the list. “We’ve got to be able to be consistent over the course of the season, and during 40 minutes of a game,” he said.

A Wabash player reaches for Dusty DeHaven’s shot.
John Joseph Wilkinson  
D. Thomas Williams  
Jeffrey Michael Williams  
Mitchell Andrew Williams  
Arthur D. Womack  
Robert L. Woodall  
Dean Thomas Woodward  
Gary Lee Workman  
Stuart M. Yee  
Daniel W. Yergeau  
Richard Alan Yocum  
Mark A. Yoder  
Brenton C. Young  
Paul Michael Young  
Krzysztof W. Zadlo
The beauty of the small campus shines during spring.

Strange happenings in the Delta Sig dungeon.

Future hoopster feeds a pass.

Freshmen Joe Hentz battles the carbonation monster.

How's about making a switch?
It's hard to come back after Spring Break. Other schools are entering their final few weeks of classes, already more than halfway through a semester. Here at Rose, it's time to start over once more. And after about ten days in Florida or Texas or just home enjoying Mom's cooking, the next eleven weeks look very long.

It might take two or three weeks for spring to arrive anyway. The midwestern climate kicks in cold weather and maybe some snow; usually, like this year, it's just cold enough to mix the rain with sleet.
Applying defensive pressure during 6th annual Basketball Marathon.

Mike Allard beats away the bass.

Rose students have a well-balanced study.

The endless wait for the next class.
Whatever the weather, Spring Quarter is comfortable: freshmen know what to expect and what's expected; upper classmen have learned how to do just enough to slide by and with which professors; roommates have learned to tolerate each other; there is nothing else ARA can serve that will take anyone by surprise. It's comfortable because it has become a routine, familiar. It's a part of feeling secure—knowing what's coming.

Class of 2000 running wild and breaking loose.

Local flora and fauna in good spirits.

Hey, Joe, try your hands not your feet.

You make the call, does he make the shot?

Walt Garrison takes his Skoal inventory.
Our buddy Tom joins the spirit of Campus Clean Up Day.

Clearing away the wildlife around Sharpenburg and Blumberg Halls.

Pete and Inspector Buddy supervise upperclass sprucing up.

Moench Hall receives new shrubbery.

Taking a walk at the end of the day.
But not everything is just a repetition of Fall and Winter Quarters. The NCAA Basketball Tournament finds IU as National Champions. When the weather changes, the dorms suddenly become less cramped. The campus blooms. Life isn't restricted to buildings and the time of passing between. There are lawn mowers out on campus—and freshmen Civils begin their suntanning labs. Springfest brings Herman and the Renovators, Kool Ray and the Polaroidz, and Henry Lee Summer. For Parents Weekend the school tries to impress, and it succeeds. Greek Games performs the same task for fraternities.

Campus Clean-up consumes another Saturday, but for a different purpose. Although there isn't much to do on a Saturday morning anyway, students do get involved. It seems like a part of the season, a part of the quarter.
Local sunbathers take time out for homework.

Would you give this guy a job?

The campus is overcome by bushes and trees.

I taut I taw a puddy tat!

Always in the national spotlight, no privacy anywhere.

Laying around on a sunny day.
That’s right, I’m 21, OK?

There is so much to do. Including classwork. And it finally catches up. It just takes longer during Spring Quarter, but it hits harder when it does. Spring Quarter finds more people behind and trying to catch up, and it’s so hard when the weather is perfect for some tennis.

The mailroom workers continue their daily service.

Mike McFall in control of the Geek Center.

Intramural softball provides a relaxing respite.
Greek Games turn out an excited crowd.

ATO forms successful 15-man pyramid.

Bob Benning takes in the sights of parents weekend.
Pikes struggle with shaky cart.

Pure emotion gives a strong pull for Lambda Chi.

Something goes wrong during those last few weeks. Class work is intruding on life. Roommates' minor bothersome habits become more irritating. Terre Haute doesn't look or smell nearly as attractive in 85 degree weather and 100 percent humidity. Finals are creeping up fast. It all makes everyone just want to go home and forget about Rose for three months. Hanging on, just trying to survive, is the most common activity of the last three weeks.

Delta Sig makes a pyramid.

Organizer Chip Stein certifies tug-o-war start.

They're off and rolling at Rose-Hulman speedway.
Chem E's attempt to bring Rosie back to life.

Chris Meunier leads 2 stallions through B-section.

Rose Show projects abound on Parent's Day.

Time out from study to "say cheese."
Summer jobs have so little pressure. There isn’t any homework, and the checkbook will soon be solvent again. They lie only three weeks, a paper, five homework assignments, and four final exams away.

Tradition continues with Rose memorabilia.

Keep a lookout for unsuspecting fish.

Air Jordan he is not!

Bill, look at these unbelievable prices!
Getting the early crowd fired up at Springfest.

Jamming the tunes for Henry Lee.

Henry Lee Summer performs another hit song.

Official Springfest logo.

Springfest brings out the sunbathers.
Another huge crowd for Springfest.

Blasting out Top 40 songs by Henry Lee and the band.

For seniors, the summer job is no longer a concern. In fact, the last three weeks mean just going through the motions. It all builds to the final class during Friday of tenth week. A giant anti-climactic feeling accompanies the moment that everyone else says each senior is waiting for. The four years of expectation and the huge amounts of work needed to achieve it, have spoiled the moment.

Spring Quarter wraps up the year. The campus remains relatively quiet for the next three months. But as three quarters of the students leave for home, they're already thinking about the next year. The Rose-Hulman cycle will begin again all too soon. Only the graduating seniors have the luxury of knowing they'll only come back as a visiting alumnus. And their worries have just begun.
Although senior third baseman Grant Sharp fails to connect here, he finished fourth on the team in hitting.

Junior Joe Witulski keeps an eye on St. Joseph's base-stealing threat. Joe led the Fightin' Engineer diamondmen with a 2.59 ERA.

Senior shortstop and relief ace Aaron Murray hits a leadoff double for the Engineers as junior Scott Johnson and freshman Ben Hill look on.

The senior battery of Brian Blaze and Bruce Fenimore tormented opposing batters throughout the 1987 season.
A record-setter

Head baseball Coach Jim Rendel gives junior pitcher Joe Witulski some advice. Joe's 6-2 record helped the 1987 squad be the first to win 20 games in a season.

The lockers have been cleared out, the gloves and bats put away, spikes have been hung up for a summer of storage, and the 1987 baseball season is over for the Rose-Hulman Engineers. And what a season it was! A share of the College Athletic Conference title, a no-hit pitching performance, and a successful trip to Florida. What's more is there were performances turned in this year that have not been seen here at Dear Old Rose in many, many years.

At the CAC tournament this year, Rose captured a tie for the championship with Centre College. In the round-robin tournament, the Engineers compiled a 4-1 record. Highlights of the tourney included a one-hit shutout pitching performance by junior Joe Witulski against Rhodes. Team hitting leader senior James Yoakum batted .471 in the tournament.

The Engineers had a 20-18 overall season record, the first time in Rose-Hulman history that a baseball team has won 20 games in one season. Senior pitcher Bruce Clusky fired a no-hitter, the first in nearly 40 years at Rose-Hulman. During Spring Break, the team traveled to sunny Florida to take part in a tournament with other teams from the North. The Engineers were successful in bringing home a healthy 6-3 record and a jump on the home portion of the season.

Leading this year's squad for the second year in a row in hitting was senior James Yoakum. The senior speedster hit for an average of .379 on the season. Joe Witulski led the pitching squad with a 6-2 overall record and had the lowest earned run average of 2.59. Dan Lemons, junior from Kettering, Ohio, was named the CAC Most Valuable Player for his performance at the Spring Sports Festival.
The tennis season began without glamour during late-night practices in the cold of February and concluded with three days of beautiful tennis weather during the CAC tournament.

This year’s team had as its major goal an outstanding finish in the CAC. To prepare the team for this end of the season, first-year coach Gene Mitz scheduled meets with four teams in the NCAA Division II top twenty.

Playing these tough teams early in the season caused the team to get a little frustrated. Coach Mitz kept the team going with stories of Wally Pipp, and freshman George “the Lob Factor” Farber broke into the varsity lineup with a super upset victory against Wabash.

Despite the injury to Jay Eiler a week prior to the CAC tournament, the team fared well. The CAC was highlighted by Chad Beesley’s first-place finish at the number-three singles position. Finishing second in the CAC were Ron Wingo at number-two singles and Mark Crowder at number-four singles. Though Chad Beesley is the team’s only senior, his election as MVP for the season shows he definitely will be missed. John Puckett was elected captain and deserved it—if not for anything else—for the time he spent stringing people’s racquets.
In 1987, the golf team finished on an up note by capturing first place at the CAC All-Sports Festival for the second consecutive year. Although their final record was 18-21, it was misleading, since it includes five losses to Franklin, one of the best small college teams in the nation, and because of the tough schedule, which included the Han Corbitt Hanover meet and the Wittenburg Invitational.

Low medallist for the team was Rick Kennedy, who finished the season with an average of 80. Second and third respectively, were Steve Mendoza at 81.2 and Jim Getter at 81.9. Coach Duncan’s opinion of the team was that they were very talented.

The team finished twenty-five strokes ahead of their closest competitor at the CAC meet. With six of the seven men with the lowest averages returning, and a crop of blue-chip freshmen prospects arriving, Coach Duncan is looking forward to next year with high hopes.

Rick Kennedy prepares to go for a drive.

Jim Getter shows excellent chipping form by continuing his swing.

Dennis Aldridge concentrates on a good putt.
Brian Decker goes up, up and away.

Able to leap tall buildings in a single bound? Well, at least Craig Dargan can jump across a sandtrap.

Mark Montgomery shows the determined look that an athlete must have to win.
The Tradition Continues

Through hard work and determination, the Rose-Hulman track team completed another successful season in 1987. They compiled a dual meet record of three wins, and one loss as well as winning the conference track title. This win gave the engineers their ninth straight College Athletic Conference championship.

The team was led in scoring by William Sears, John Hanger, Chris Cook, and Kurt Kelso. Sears was the team's high point scorer and set a new conference record in the high hurdles. Hanger, the team's captain of the field events, qualified for the NCAA Division III finals in the javelin for his third straight season. Junior sprint captain Cook won many races during the year, but could not run in the conference due to an injury. Senior captain Kelso was the team's distance ace who won the Little State indoor 1000-yard run.

Even with graduation losses, the team is looking forward to next year. Outgoing captain Kelso has high hopes for the distance runners. "The team is only graduating three seniors (from the distance group). They should be stronger next year," says Kelso. With that in mind, the team sets its sights on their tenth straight CAC title in 1988.
William Owen Reid
Brent Thomas Repp
Darin Bradley Ritter
Robert Clifton Roden

Kenneth David Roth
Srinivas K. Sarma
Greg J. Schmidt
Clifton Wylie Shillcutt

Robert Allen Shotwell
Steven Walter Sill
Steven E. Slaughter
Terry Wayne Smith

Robert Alan Spitznagel
Lawrence W. Stempkowski
John William Stewart
Casey J. Strange

Kenneth M. Strum
Allen Dale Stucker
Thomas J. Suelflow
Eric Neil Swift

Michael D. Switzer
Christopher A. Szaz
Mark E. Tebbe
David William Thomas
Rose Performers
Chemical Engineering

There were two newsworthy events that occurred in the Chemical Engineering Department during the 1986—87 academic year.

First, Sam C. Hite will relinquish the duties of Department Chairman on July 1 after 21 years in that position. He is stepping down as chairman because of an age rule, but he will continue to teach in the department. Sam has been a superior teacher and administrator, and it is fortunate that students will continue to benefit from his unique style in the classroom. His replacement as chairman will be Professor Noel Moore.

The other event is a continuing move into the field of biotechnology. This expansion of our offerings to include lecture and laboratory work in areas of biotechnology should expand the job opportunities for our chemical engineering graduates. One proposal has been funded, and we hope a second will be so that laboratory equipment can be purchased and installed to introduce our undergraduate and graduate students to bioprocessing and bioseparation.
This year brought a number of changes to the Department of Chemistry. A record number of students were enrolled in Chemistry 1 which necessitated the creation of an extra laboratory section.

Teaching assignments were altered to accommodate sabbaticals—Dr. Bruce D. Allison spent the full year at Exxon Research and Dr. Dennis A. Lewis spent the spring quarter at the Terre Haute Center for Medical Education. Dr. Frank A. Guthrie served as Acting Chairman during Dr. Lewis' absence.

The department moved further into the age of digital electronics with the purchase of 3 digital balances and a microprocessor controlled electrochemical analyzer—no more dials to turn!

Planning for remodeling was finalized and the packing was underway at year's end; the long awaited modernization of laboratories and expansion into the former Chemical Engineering facilities is expected to become a welcomed reality in early 1988.
Academics

Civil Engineering

From left: Cecil Lobo, Keith Royer, Jim McKinney, Ron Benson, Martin Thomas, Kathy Nicolson.
The faculty of the Computer Science Department spent the year doing a major revision of the Computer Science curriculum. The new curriculum has added more requirements in computer science (data based systems, computer communications, computer design, and four electives) and expanded the senior project to two terms. To make room for these added CS courses, the three math electives were dropped (however, a course in discrete algebra is now required) and three required electrical engineering courses were made suggested technical electives.

At the end of the school year Dr. Darrell Criss retires as the chairman of the department. Dr. Criss has served as the chairman since the department’s inception in 1971, and has served on the Rose faculty for over 40 years. A new chairman will be at the helm of the Computer Science Department when school resumes in the Fall.
Electrical Engineering

The Electrical Engineering Department has enjoyed a banner year though it has operated in temporary quarters the entire time. Anticipation of the remodeled Moench Hall facilities is quite high. Approximately $1 million in new equipment purchases have been received and the prospect of modern, well-equipped laboratories is exciting. A variety of new upper-level electives have been approved for the future, and the curriculum continues to be the subject of refinements. Enrollment in the undergraduate program has been steady with a slight downward trend noted, while the Electrical Engineering graduate program has gained considerable strength within the past academic year.

The Institute of Electrical and Electronics Engineers (IEEE) student chapter has been instrumental in providing programs and social events throughout the year that promote professional development in a variety of technical areas. The newly elected officers of the IEEE are planning many new activities for the Fall of 1987 so be watching for the first issue of the "IEEE Newsletter".
Humanities, Social and Life Sciences

The Division of Humanities, Social and Life Sciences had a very successful year and looks forward to even better years to come. All faculty members in HSLS were active in teaching, research and publications. The Writing Center had a record usage and its success has brought consideration of a Learning Center offering tutoring in science, mathematics and study skills as well as writing. The first six courses in the newly approved area minor in East Asian Studies were offered this year, including a one-year sequence in Japanese language. In other news, one student, Tim Yarling, was awarded a Fulbright Grant to study next year in Germany, and three students received NASA Summer Internships assisted by HSLS faculty members. Dr. Bruce K. Johnson, assistant professor of economics, resigned to take a faculty position at Centre College.

Front row, from left: Betty Moore, Leslie Ballard, Hannelove Lehr, Thad Smith, Peter Priest; Second row: Peter Parshall, Wil Stratten, John Ying, Maureen Krause, Barbara Ito, Patricia Carlson, Tomoko Hamada, Cal Dyer; Back row: William Pickett, Pat Brophy, Bruce Johnson, Heinz Luegenbiehl.
Another active year took place in the Department of Mathematics this year. A large program was the Lilly Seminar. The department received a $17,800 grant from Lilly Endowment for the purpose of conducting an on-campus Chautauqua-Type Course on Control Theory and Parameter Estimation. The course was directed by H.T. Banks of the Division of Applied Mathematics, Brown University, who visited the campus three times. Between visits, department members met in small seminar sessions to participate in mathematical modeling and mathematical discussions. This year's Rose-Hulman Undergraduate Mathematics Conference attracted 73 participants. The Institute entered teams and individuals in three mathematical competitions this year. One team took first at the Indiana Small College Mathematics Competition. In the prestigious national Putnam Examination, a Rose team placed 16th in the country out of 270 participating schools. In the National Mathematical Modeling Competition, a Rose team finished 39th in the nation out of 156 teams.
During the 1986-87 academic year, the Department of Mechanical Engineering has conducted an in-depth review of the curriculum and planned the return to the renovated area of Moench Hall.

The mechanical engineering curriculum has been bolstered by formalizing elective courses into three new concentration areas. The department has made other changes, including an increased emphasis on use of computers.

The new concentration areas are aerospace, solid mechanics and thermal/fluid. A concentration in manufacturing and production already exists. Each concentration serves as a suggested guide to a student who wants to add some specialization to his mechanical engineering degree. A student is not required to declare a concentration, and the basic mechanical engineering degree has not been diluted. The purpose of the areas of concentration is to increase the depth of an already strong, broad-based program.

Planning the return of the renovated areas of Moench Hall has been exciting. With the new laboratories and new laboratory equipment, we will now have the equipment and facilities to match our outstanding student body.
The Military Science Department accomplished its mission once again—to commission the future leadership of the United States Army. Fourteen newly commissioned lieutenants will enter the Army from Rose-Hulman.

All freshmen take ROTC for two quarters, gain a knowledge of leadership and military history, enjoy a break from the stressful academic courses, and get grades that will help boost their GPA. Events sponsored by the Army ROTC include the Homecoming bonfire, Rose Rifles Drill Team, the Rose-Hulman Rifle Team, Rappelling, Skiing, the Military Ball, and ROTC picnics.

The U.S. Army Scholarship is still a lucrative means of financially making it through Rose-Hulman. The Cadet Battalion continues to grow as more and more students apply for and win Army Scholarships. This year the Cadet Battalion was officially named the Wabash Battalion. Cadet Seniors were given responsibility for all cadet training outside the classroom, and physical training became a twice-a-week requirement for all cadets.
Once again, scholarship and teaching were prime activities of the Department of Physics. A major happening this year was the approval of a new undergraduate degree in applied optics. The addition of this program is quite timely with the growth in the field of optics. Rose became only the second college in the nation to offer such a degree program. Graduates of this type of program will be essential to creating new optics services and products that will increase our productivity at work and improve our way of life at home. In other department news, plans were put into motion for our move back to Moench Hall.
Samuel F. Hulbert, president of the Institute.

Linda Gilbert, administrative assistant to the president.

From left: Jan Brown, controller; Barbara Garvin, accounting; Tom Mason, vice president for administration and finance; and Annette Brainard, director of personnel.

Tom Miller, assistant dean of students.

Jess Lucas, vice president for student affairs.

Pete Gustafson, associate dean of student affairs.

Paul Steward, director of financial aid.

Connie DeGroote, Kathy Gambill, Ronda Ames: Student affairs secretaries.

From left: Irene Mitchell, assistant director of student union; Donna Gustafson, director of student union and student activities.
Gloria Rogers, assistant to the dean of faculty.

Admissions, from left: Jim Goecker, Brian Dyer, Charles Howard, Tim Prickel.

Admissions secretaries, from left: Pam Hamilton, Denice Falls, Nancy Helsper.

Back Row, from left: Jim Schwartz, director of alumni affairs; Gene Zwerner, director of deferred giving Front row, from left: Bill Sisson, director of placement; Jim Hammon, assistant director of development.

Ron Reeves, vice president for development external affairs.

James Eifert, Vice president for academic affairs and dean of faculty.
Margaret Ying, assistant to the librarian; John Robson, director of the library; Sondra Nelson, director of circulation; and LUIS.

Pat Jeffries and Anita Creasy, bookstore

Computer Center & Planning office, from left: Terry Nees, Tom Roper, Larry Alldredge, Bernie Sherman, Carolyn Kelly, Bruce Danner, Mary Anne Pierce, Sue Storckman, Kevin Davidson.
Registrar's office: Lou Harmening, Phyllis Phegley and Sue May.

Jack Bagley, print shop technician.

Steve Miller, manager of administrative services; Karen Penhag, coordinator of offices services; Paulette Irwin, Switchboard operator and receptionist.

Kathy Green, secretary for facilities planning; Bill Mullin, director of facilities planning.
relations team: Joe Hargis, assistant director of college relations; Dave
ker, director of college relations; and Bryan Taylor, director of publications

onymous Hill, placement; Donna Burns, college relations; Janet New-
un, development; and Marcia Miller, development accountant

ettie Evinger, alumni

Paul and Betty Phillips retire this year after serving the Institute
or several years
From left: Ron Sclicht, Charles Murphy, Fred Smith, Jack Whittington, Robert Cutsinger, Dean Murphy and Howard Smith

Til Panaranto hangs up his jock in recognition of his retirement

From left: Ron Sclicht, Richard Mott, William Hayden, Harry Gordon, Lucy Strauch, Mike Seeling, Cheryl Swinson, Tony Swinson and Velva Cutsinger
Former president dies

John A. Logan ran Institute for 14 years

Although not many of us knew John A. Logan, much of what Rose-Hulman is today is a result of his hard work and vision. John A. Logan was president of the Institute from 1962 to 1976. He died Feb. 16, 1987.

During Logan’s tenure, the college’s enrollment doubled to just more than 1,000 students, and campus facilities were improved through a 10-year building program. Enrollment growth was made without sacrificing the quality of the student body. At the time of his retirement in 1976, more than 90 percent of the college’s freshmen were ranked in the top five percent of their high school graduating classes.

Among the major capital improvement projects completed during Logan’s presidency were construction of Blumberg Hall, Mees Hall, Scharpenberg Hall, Hulman Memorial Union Building, Crapo Hall classroom building and the Learning Resources Center. The library later was named in honor of Logan.

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

Logan listened closely to the student body, and he was a strong supporter of student organizations, intramural and varsity athletics. He emphasized what he called a “liberal education in engineering and science.” He was influential in bringing much of the art work to campus.
This year marked the third year of Alpha Chi Sigma's rebirth since it became dormant in 1938. Alpha Chi Sigma is a professional fraternity in chemistry. Membership is by invitation and it is open to anyone who intends to make his life's work some profession in which chemistry is predominate. A main objective of the chapter at Rose-Hulman is to aid members in the development of their chemistry careers.

The men of this group could be called some of Rose-Hulman's best servants or helpers. Alpha Phi Omega is a national service fraternity based upon the principles of leadership, friendship and service. Alpha Phi Omega conducts service projects on campus and in the community. Included among those projects are running the lost-and-found center and serving as ushers for various events in Moench Hall Auditorium.
The American Institute of Chemical Engineers strives to familiarize the students with responsibilities and situations encountered as an engineer. This goal is accomplished through activities such as talks by men prominent in the chemical engineering field, plant inspection trips, and student presentations.

This group brings a touch of "civility" to Rose-Hulman. The American Society of Civil Engineers offers an opportunity for civil majors to broaden themselves in their future profession. They meet practicing engineers in the area and learn professional ethics and attitudes. The ASCE sponsors field trips, contests and movies of current civil engineering projects. It brings the classroom theory to real life. A special publication of the group is "The Moment."
These guys are really plugged into their major through Eta Kappa Nu, the electrical engineering honorary. Its purpose is to recognize outstanding students in the field of electrical engineering. The Rose-Hulman chapter is more than 20 years old.

The Blue Key honor fraternity seeks to foster an ambition for intellectual attainment and a desire to serve college and fellows. It also gives the members a chance to wear a tie for a photo session. The motto of Blue Key is “Serving, I live.” The activities of Blue Key include the Homecoming pep rally, the Homecoming queen contest, sponsorship of Parents’ Day, the Rose Show and student-faculty discussions.
Excellence in chemical engineering is recognized and encouraged by Omega Chi Epsilon, the chemical engineering honorary. It also stresses professional development as a chemical engineer. The Rose-Hulman chapter was started in 1969.

Tau Beta Pi marks, in a fitting manner, those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character as students in engineering. Tau Beta Pi is the national engineering honorary.
The Drama Club exists to give Rose students the opportunity to be involved with the performing arts. This year, the Drama Club presented "Bleacher Bums" in the fall. In the winter, patrons saw "Feiffer's People". The club closed out the season with "A Funny Thing Happened on the Way to the Forum."
Membership in the Racing Association is open to any student interested in the field of automotive performance. The club meets weekly and is active in the design, construction and competitive aspects of automotive performance. The Racing Association has previously sponsored both stock and fuel dragsters as well as being involved in competitive events sanctioned by the National Hot Rod Association and the Sports Car Club of America.

The Interfraternity Council is the representative body of all national fraternities existing on the Rose campus. I.F.C. sets guidelines regarding Open Rush. Greek Games weekend is arranged by the appropriate members.
The Glee Club provides an outlet for those who enjoy singing. The Glee Club exists for the enjoyment of its members and strives to provide a relaxing change of pace from studies. The club performs a wide variety of music including classical, contemporary, sacred, and barbershop. The Glee Club performs for service organizations, churches, schools, and Rose-Hulman functions.

The Ham Radio Club is an organization for those interested in the hobby of Amateur Radio. The club boasts a 2,000-watt shortwave station capable of reaching anywhere in the world. Other equipment includes an all-mode, two-meter UHF system, a radio-teletype system and equipment to use amateur radio satellites. The club also offers classes in Morse code and radio theory to help students obtain "ham" licenses.
Goju Club and Astronomy Club

This club, organized for the purpose of physical and psychological betterment through the medium of Karate, is open to all students of Rose-Hulman. Practicing a form of Karate known as Goju, the club trains twice a week. Experienced and inexperienced persons alike are welcome. The instructor for the club shall hold at least a brown belt from a recognized A.K.A. agency in the martial arts.

The Astronomy Club serves the Rose-Hulman community by maintaining and opening the Observatory for people who wish to use it. The club presents movie features during the year, including the Cosmos Series. The club sponsors an annual Astrophotography Contest with prizes awarded.
Fencing Club and R.H.A.

The Residence Hall Association coordinates the activities of the residence halls. The RHA has representation from each hall and from St.-Mary-of-the-Woods College. Some of their annual activities include the film series, all-night movie specials, Homecoming dance and various trips.

The Rose-Hulman Fencing Club has grown considerably over the past year. It is an outlet for people who desire to compete at the art of fencing.
A branch of the Student Government Association, the Student Activities Board is a vital part of student affairs in that it is responsible for planning, coordinating and implementing a wide variety of events and activities of interest to all students of the Institute. Convocations, coffeehouse performances, dances and special events such as the homecoming concert are within the domain of this important group.

The purpose of Rose Christian Fellowship is threefold: 1) Evangelism, to lead others to personal faith in Christ as Lord and Savior; 2) Discipleship, to help Christians grow toward maturity; 3) Missions, to present the call of God to the worldwide mission of the church. R.C.F. begins each year with a recreational bonfire. Action Groups are organized in each hall and meet regularly. Daily prayer meetings and chapter meetings provide the core of large group fellowship.
Orient Club and Russian Club

The Russian Club was organized this year as a result of the interest developed from the Russian Studies courses. The Russian Club enables students to learn more about Eastern cultures, lifestyles and business practices in a very informal setting.

The Orient Club was organized last year as a result of the interest developed from the new Asian Studies courses. The Orient Club enables students to learn more about Eastern cultures, lifestyles and business practices in a very informal setting.
The Fellowship of Christian Athletes is an interdenominational group sponsored by Christian athletes and coaches for any athlete, whether a member of varsity team or not—who is interested in learning more about the Christian faith. The purpose of FCA is to present to athletes, coaches and all people they influence, the challenge and adventure of receiving Christ as Savior and Lord, serving Him in their relationships and in the fellowship of the church. The group also works with local high schools and the community.

What's the matta' with your data? If anybody knows, it will be the Association for Computing Machinery. This group is the largest professional society for data processing specialists with members in the U.S. and many foreign countries. Chapter activities are designed to further the members' knowledge of data processing through local, regional and national conferences. This is done through field trips to computer installations, guest lecturers and special projects in cooperation with the Institute's computing center.
Circle K Club

Circle K is a service organization emphasizing service to the community and school. It is sponsored by Kiwanis International, which helps bridge the gap between Rose students and the business society. Circle K promotes leadership and social development, and it instills ideals of good citizenship and professional principles.
The Modulus staff is a group of unique individuals whose sole purpose is to accurately, or as the case may be, humorously depict student activities throughout the entire year. Members are encouraged to personalize their work in photography, layout and design, writing and editing. A variety of skills and responsibilities are developed as progression towards a final product is achieved.

The Student Government Association, under the leadership of the president of the student body, exercises general control over clubs and organizations receiving SGA funds. The congress is composed of elected representatives from various living areas. The Student Court, together with the congress and the executive branch, furnishes a complete student government.
Orienteering Club and Rifle Team

This group of guys cannot get lost in a crowd. The Rose Orienting Club exists to promote orienteering. The club participates in as many meets as possible each year, and it hosts several local and regional meets. The Orienteering Club participates in three or four 'A' class meets, four or five 'B' class meets, and hosts one or two 'B' class meets each year. Orienteering is a unique outdoor sport in which you use a highly detailed map of a wooded area and a compass to find "control points" marked on the map.

The Rifle Team brings together a bunch of straight shooters to compete in rifle meets against other colleges and universities in the Midwest. As the trophies indicate, Rose's team is successful.
The Thorn, ASME and Pi Tau Sigma

The Thorn is Rose-Hulman's weekly newspaper. It affords the student an opportunity to express himself, his thoughts, ideas and criticisms on all aspects of student life. The Thorn sends representatives to the Indiana Collegiate Press Association Conference and has an annual awards dinner. This year, the Thorn gave us "Top Ten" lists, Woodsie Owl and Bloom County.

Pi Tau Sigma is the national mechanical engineering honorary whose purpose is to honor junior and senior mechanical engineers and to provide service to the school. Members of Pi Tau Sigma are involved in senior "Engineering-in-Training" exam help sessions, the design contest for Parents' Day, and initiation ceremonies.

The American Society of Mechanical Engineers provides students with an organization to gain a better understanding of real-world engineering. In addition, ASME provides the ME department with a student organization through which it may plan and implement various extracurricular programs.
Cross Country

CROSS COUNTRY '86

College Athletic Conference Champs
RH 24
Earlham 62
Sewanee 69
Rhodes 95
Centre 132
Hokum Kareem—1st of 5 teams
Dual with Wabash—Wabash 23, RH 32
Taylor Univ. Invitational—5th of 17 teams
Purdue Invitational—3rd place
Danville Invitational—6th of 11
Loyola Univ. Invitational—9th of 16 teams
Ind. Intercollegiates—16th of 25 teams
10th among 19 small college teams

Chris Goss

Harriers take conference title in stride
Members of the 1986 Rose-Hulman football team at the beginning of the season: Robert Abell, Rolf Alexis, Greg Ankney, Doug Ankney, Brian Backus, Jeff Bannister, Brian Bartley, Trent Bennett, Jay Binder, Duane Braunecker, Tony Broadnax, Bruce Carter, Mike Castor, John Collett, Jim Cramley, Mike Cuiksa, Kirk Dawson, Jason Duff, Mike Duregger, Bruce Fenimore, Shawn Ferron, Raymond Fischer, Mike Fisher, Dan Flynn, Robert Fuller, David Gallo, Rob Gislason, Kurt Gobreski, Greg Gondeck, Ken Hackman, Steve Hanagan, Gene Harding, Don Hirt, Mike Hoffa, Blair Holder, Mike Humes, Steve Ickes, Rich Jaslowksi, Steve Junker, John Kantner, Gil Keller, Dennis Kelley, Rick Kocken, Jim Koehl, Greg Kremer, Mike Kwiatkowski, Joe Lemanski, Daniel Lemons, Greg Lengacher, Joe Leslie, Mike Lester, Sean Marlow, Gary Martin, Bill McKinney, Brian Meek, Eric Meeks, Rob Messmer, Brian Miller, Mark Montgomery, Jerry Moore, Mike O'Donnell, Paul Palmer, Bob Parker, Scott Pfaff, Ken Pierce, Ray Pogliano, Frank Primich, Tim Rauch, Paul Rawlins, Adam Remaly, Chris Reuter, Andy Richards, Paul Romanetz, William Rose, Curtis Roupe, Brian Runkle, Barry Schneider, William Sears, Jeff Sexton, Grant Sharp, Pat Speth, Brett Starr, Mike Stercula, Scott Strayer, David Suder, Chris Szaz, Pat Thomas, Scott Thomas, Mike Tresemer, Paul Turpin, Keith Woodason, Mark Yoder, and Robert Zacher. Coaches: Scott Duncan, Mark Smith, Gene Mitz, Jim Oliver, Chuck Lindner

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<tr>
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<tr>
<td>MacMurray</td>
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<tr>
<td>Hanover</td>
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<tr>
<td>Washington U. at St. Louis</td>
<td>win</td>
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<tr>
<td>Principia</td>
<td>win</td>
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<tr>
<td>Olivet</td>
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</tr>
<tr>
<td>Taylor</td>
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<tr>
<td>Earlham</td>
<td>win</td>
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<td>Centre</td>
<td>win</td>
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<tr>
<td>Sewanee</td>
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<tr>
<td>Rhodes</td>
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CONFERENCE CHAMPS (4-0)
Soccer


SOCCER '86

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<tr>
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<tr>
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(7-6-1 OVERALL)
Basketball

First row, from left: Jeff Harrison, Dustin DeHaven, Mike Webster, Coach John Mutchner, James Yoakum, Ricky Meyer, Kelly Land. Second row, from left: Student Manager Brian Mapes, Paul Hendrixson, Chad Reitmeyer, Ron Steinhart, Student Manager Larry Stempkowski. Back row, from left: Student Coach David Plantz, Trevor Olsen, Doug Bowman, Doug Underwood, David Urbanek, Jeff Rea, Tim Cindric and Assistant Coach Jim Hargis

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<tr>
<td>Fisk</td>
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<tr>
<td>Wabash</td>
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<tr>
<td>Sewanee</td>
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<tr>
<td>Fisk</td>
<td>78</td>
<td>89</td>
</tr>
<tr>
<td>Earlham</td>
<td>73</td>
<td>80</td>
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<tr>
<td>Manchester</td>
<td>90</td>
<td>81</td>
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<tr>
<td>MacMurray</td>
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<tr>
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<td>Washington U.</td>
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<tr>
<td>Centre</td>
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<td>98</td>
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<td>DePauw</td>
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<td>58</td>
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<tr>
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<td>85</td>
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<tr>
<td>Wabash</td>
<td>61</td>
<td>76</td>
</tr>
</tbody>
</table>

(BASKETBALL '86-87)

| (13-13 OVERALL) |

Jeff ponders a pass
Wrestling


DAVIS SETS RECORD

This season was a special for the Rose-Hulman matmen as senior Wes Davis became Rose-Hulman’s all-time leading wrestler. He finished his career with an overall record of 72-17. He was 15-2 on the year, and was recognized with a special “Wes Davis Night.”
Golf

From left: Mark Bower, Coach Scott Duncan, Scott Salter, Greg Klem, Rich Lesniak, Steve Mendoza, Jim Getter, Greg White, Rick Kennedy, Chris Sloffer, Dennis Aldridge, and Assistant Coach Jim Hammon

CONFERENCE CHAMPS 1987

College Athletic Conference results:

<table>
<thead>
<tr>
<th>Institution</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rose-Hulman</td>
<td>631</td>
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<tr>
<td>Centre</td>
<td>655</td>
</tr>
<tr>
<td>Sewanee</td>
<td>662</td>
</tr>
<tr>
<td>Rhodes</td>
<td>666</td>
</tr>
<tr>
<td>Earlham</td>
<td>746</td>
</tr>
</tbody>
</table>

Scott Salter was low medalist for the tourney followed by Steve Mendoza
First row, from left: Dave Akaka, Craig Dargan, Kenny Roberts, John Hanger, Miles Fletcher, Jeff Harrison, Chris Goss; Second row: Brian Moench, Clark Pentico, Bob Jacobs, Mark Tebbe, Mike Garrison, Roger Hruskovich, Carl Troike, Assistant Coach Jim Oliver; Third row: Head Coach Bill Welch, Mark Braun, William Sears, Brian Runkle, Brett Starr; Fourth Row: Scott Orr, Kurt Kelso, Jason Lueking, Greg Hiatt, Fifth Row: D.R. Foley, Steve Mericle, Trent Peyton; Sixth Row: Jerry Lyons, Rick Kocker, Kenny Pierce, Brian Bartley; Seventh Row: Frank Visingardi, Mark Montgomery, Tony Kochert; and Eighth Row: Dan Braker, Chris Cook, Joe Lemanski, Roger Bartley.

**Track and Field**

College Athletic Conference Champs
Rose-Hulman 129
Rhodes 64
Sewanee 54
Centre 42
Earlham 12

at Anderson—Anderson 86
Rose 76

at Hanover—Rose 127
Hanover 55
Asbury 9

at Rose—Rose 101
Wabash 53

Ind. Intercollegiates—7th of 10 teams
Wabash Relays—7th of 7 teams
Indiana Little State—7th of 19 teams
First row, from left: Doug Ream, Tim Hofer, Ryan Ruth, Jim Yoakum, Kyle Thompson, Steve O'Keefe, Charles Larkin; Second row: Kent Agne, Johnny Dowell, Aaron Murray, Grant Sharp, Joe Witulski, Gary Workman, Rusty Olson, Coach Jim Rendel; Third row: Scott Johnson, Brian Glaze, Dennis Kelley, Bruce Fenimore, Mark Mayfield, Ben Hill; and Fourth row: Coach Mark Smith, Randy Earlywine, Danny Lemons, Bruce Cluskey, Todd Hoevner, Mike Lindsey, Terry Smith, Kevin Cook.

BASEBALL '87

20 Wins and 18 Losses Overall
College Athletic Conference Co-Champs

CAC Game Results
Rose defeats Rhodes 6-0
Rose defeats Earlham 10-1
Rose defeats Fisk 7-0
Rose defeats Sewanee 21-13
Rose loses to Centre 13-6

Consistent pitching and strong hitting combine for winning season.
From left: Mark Crowder, Coach Gene Mitz, Ron Wingo, Chad Beesley, Neil Petroff, John Puckett, Jay Eiler, George Farber and Evan Kokoska

TENNIS '87

DePauw loss 0-9
Ripon loss 1-8
Franklin win 5-4
U. of Southern Indiana loss 4-5
Wabash loss 1-8
U. of Chicago loss 1-5
Wis.-Whitewater loss 0-9
Washington U. loss 1-8
Kerry Steward
Mem. Tourney 7th of 12 teams
Franklin win 6-3
U. of Indianapolis win 6-3
Wabash loss 4-5
Earlham win 7-2
CAC Tourney Third

Mark Crowder prepares to return volley
Cheerful support
Alpha Tau Omega Fraternity
Indiana Gamma Gamma Chapter

Rose-Hulman
Institute of Technology
1987

ΑΤΩ Alpha Tau Omega ΑΤΩ
NEW FRATERNITY
ADDED TO ROSE.
CONGRATULATIONS,
PIKES!
Pi Kappa Alpha
Sigma Nu

Sigma Nu
Greeks

Theta Xi
Kappa Chapter

1987

Rose-Hulman Institute of Technology

Theta Xi

Theta Xi
Seniors
Dennis William Aldridge  
Beech Grove, Indiana  
Electrical Engineering  

Steven J. Alford  
Syracuse, Indiana  
Electrical Engineering  

Laurence Edwin Allen, III  
Council Bluffs, Iowa  
Chemical Engineering and Chemistry  

Richard E. Allman  
Rowland Heights, California  
Physics  

Derek C. Anderson  
Webster, New York  
Civil Engineering  

Scott Daniel Anderson  
Chicago, Illinois  
Electrical Engineering  

William A. Anderson  
Mount Vernon, Indiana  
Chemical Engineering  

James Edwin Bair  
Fairborn, Ohio  
Physics/Mathematics  

Jeff Bannister  
Highland, Indiana  
Mechanical Engineering  

Christopher L. Barron  
Evansville, Indiana  
Electrical Engineering  

Stephen M. Battocchio  
Cleveland, Tennessee  
Chemical Engineering  

Chad Obert Beesley  
Thorntown, Indiana  
Mathematics/Computer Science
Timothy J. Beitz  
Highland, Indiana  
Electrical Engineering

Trent Leon Bennett  
Culver, Indiana  
Civil Engineering

Keith Randal Bloomer  
Danville, Indiana  
Mechanical Engineering

Mark Roger Bower  
Warsaw, Indiana  
Electrical Engineering

Tom Edward Chadwick  
Stockton, California  
Mechanical Engineering

Bruce E. Cluskey  
East Peoria, Illinois  
Electrical Engineering

Keith W. Collier  
Seymour, Indiana  
Computer Science

Robert M. Conroy  
Sellersburg, Indiana  
Electrical Engineering

Kelly R. Crone  
Martinsville, Indiana  
Mathematics/Computer Science

Wesley L. Davis  
Goshen, Indiana  
Electrical Engineering

Mitchell Dean Day  
Fort Wayne, Indiana  
Chemical Engineering
J. Matthew deHeus
Oscoda, Michigan
Chemical Engineering

Christopher Todd
Eckert
Terre Haute, Indiana
Mechanical Engineering

John Michael Eubanks
North Little Rock, Arkansas
Electrical Engineering and German Technical Translator

Stevan Edward Fritchley
Evansville, Indiana
Mechanical Engineering

Norman E. Dillinger
Gillette, Wyoming
Chemical Engineering

John Wilson Edwards
True, West Virginia
Computer Science

Brian D. Erxleben
Bluffton, Indiana
Electrical Engineering

Bruce Lee Fenimore
Rushville, Indiana
Civil Engineering

Howard Vance Francis
Homewood, Illinois
Electrical Engineering/Mathematics

Paul C. Gallenberger
Kewaunee Wisconsin
Electrical Engineering

Anthony L. Gilkison
Middletown, Indiana
Computer Science
John S. Gish
Saint Anthony, Indiana
Mechanical Engineering

Christopher T. Goss
Bloomington, Indiana
Mechanical Engineering

S. Eric Goy
Wolcott, Indiana
Electrical Engineering

Kenneth Don Hackman
Brownstown, Indiana
Mechanical Engineering

Gary G. Hall
Cambridge, Ohio
Computer Science

John C. Hanger
Huson, Montana
Electrical Engineering

Curtis J. Harvey
Hazel Green, Wisconsin
Civil Engineering

Michael G. Hawkey
Taylorville, Illinois
Computer Science

Edmund M. Hemmersbach
Morris, Illinois
Mechanical Engineering

Alan C. Henderson
Clinton, Indiana
Mechanical Engineering

David M. Henion
Asheville, North Carolina
Computer Science

Stephen Dale Highsmith, Jr.
Terre Haute, Indiana
Computer Science
John Raymond Hoffman
Longlake, Minnesota
Mathematics,
Computer
Science
and
German
Technical
Translator

Michael E. Honosowetz
Bremerton, Washington
Chemical Engineering

Kevin L. Hooker
Lawrence, Indiana
Electrical Engineering

Michael R. Horton
Winlock, Washington
Chemical Engineering

Darrel Lee Huff
Danville, Indiana
Chemistry

David L. Hunt
Terre Haute, Indiana
Electrical Engineering

Lane Frederick Jensen
Norwalk, Ohio
Chemical Engineering

Greg S. Johnson
Greentown, Indiana
Electrical Engineering

Scott James Johnston
Harbor Beach, Michigan
Electrical Engineering

Andrew Fred Jones
Anderson, Indiana
Electrical Engineering

David Lee Jones
Lyford, Indiana
Electrical Engineering

Richard E. Jones
Stilesville, Indiana
Electrical Engineering
Patrick A. Kearney
Chelan, Washington
Physics/Mathematics

Blase Anthony Keegel
Grand Rapids, Michigan
Chemical Engineering

Gilbert P. Keller
Cincinnati, Ohio
Electrical Engineering

Murray F. Kelley
Vidalia, Georgia
Physics

John W. Kinzie
Lincoln, Illinois
Electrical Engineering

Robert A. Kipp
Western Springs, Illinois
Electrical Engineering/Mathematics

Paul W. Kirkeiner
Centerville, Ohio
Electrical Engineering

Ken W. Kolbe
Martinsville, Indiana
Mechanical Engineering

Jay K. Kress
Indianapolis, Indiana
Chemical Engineering and Russian Technical Translator

Mark Allen
Lancaster
Tempe, Arizona
Electrical Engineering

Frank W. Liedtky
North Judson, Indiana
Civil Engineering

Jeffrey A. Lovell
Kentland, Indiana
Mathematics
John J. Lueken  
Ferdinand, Indiana  
Civil Engineering

Dusty L. Lutz  
Oregon, Ohio  
Electrical Engineering

Michael S. Ly  
Portland, Indiana  
Electrical Engineering

Kyle L. Lynch  
Honolulu, Hawaii  
Electrical Engineering/Computer Science

Thomas W. Maicher  
Whiting, Indiana  
Electrical Engineering

Jeffrey S. Marlett  
Bloomington, Indiana  
Mechanical Engineering

Thomas David Marsh  
Hamlet, Indiana  
Chemical Engineering

Bret Andrew Marsolf  
Rosedale, Indiana  
Computer Science

Mark Henry Mayfield  
Terre Haute, Indiana  
Mechanical Engineering

Patrick J. McConaghu  
Alexandria, Virginia  
Mathematics/Computer Science

Michael S. McDaniel  
Springfield, Ohio  
Electrical Engineering

John A. Meschberger  
Wolcottville, Indiana  
Chemical Engineering
Charles A. Miller  
Upland, Indiana  
Mechanical Engineering

Jonathon E. Mohney  
Benton Harbor, Michigan  
Electrical Engineering

James E. Moran  
South Bend, Indiana  
Mechanical Engineering

Bruce Dale Mueller  
Onarga, Illinois  
Electrical Engineering

Jay Dee Mills  
Crawfordsville, Indiana  
Civil Engineering

Robert A. Mongell  
Connellsville, Pennsylvania  
Electrical Engineering/Computer Science

Dean A. Moretton  
Hobart, Indiana  
Electrical Engineering

W. Darin Moody  
Jeffersonville, Indiana  
Chemical Engineering

Rick J. Mitchell  
Mount Vernon, Indiana  
Electrical Engineering/Computer Science

Gerald Leonard Mourey  
Churubusco, Indiana  
Electrical Engineering

Jeff Myers  
Richmond, Indiana  
Electrical Engineering

Aaron L. Murray  
Robinson, Illinois  
Mechanical Engineering
Mario Vlaiko Nigrovic
Toledo, Ohio
Electrical Engineering/Computer Science and German Technical Translator

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State College, Pennsylvania
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Scott Michael Orr
Indianapolis, Indiana
Computer Science

Paul William Parsons
Hilton, New York
Computer Science

Christopher S. Patterson
Greenfield, Indiana
Electrical Engineering

David Michael Patterson
Sullivan, Indiana
Electrical Engineering

Robert D. Peacock
Scottsburg, Indiana
Electrical Engineering

Brian P. Pletcher
Goshen, Indiana
Electrical Engineering

Stuart Douglas Plumlee
Lexington, Kentucky
Electrical Engineering/Computer Science

Philip Daniel Pokorny
Clayton, Missouri
Electrical Engineering/Computer Science and Mathematics

Timothy A. Pontius
Walkerton, Indiana
Electrical Engineering

Robert H. Pound
Rosedale, Indiana
Mechanical Engineering
William D. Sears
New Whiteland, Indiana
Physics
and
Electrical
Engineering

Grant M. Sharp
Dayton, Ohio
Electrical
Engineering

Paul D. Siebels
Newton, Iowa
Electrical
Engineering

Gregory J. Smith
Coal City, Illinois
Electrical
Engineering

Bradley Alan
Snodgrass
Pendleton, Indiana
Electrical
Engineering/
Computer
Science

Allen W. Snyder
Osceola, Wisconsin
Mathematics
and
Computer
Science

James C. Stafford
Paoli, Indiana
Economics

Chip Stein
Grandville, Michigan
Mechanical
Engineering

David C. Strelow
New Albany, Indiana
Electrical
Engineering

Phillip Arthur
Thomas
Greenwood, Indiana
Electrical
Engineering

Scott P. Thrasher
South Bend, Indiana
Mechanical
Engineering

John R. Tokar
South Plainfield, New
Jersey
Physics
and
Mathematics
William Nicholas
Torline
Madison, Indiana
Chemical Engineering

Ray Tung-Wa
Uehara
Honolulu, Hawaii
Electrical Engineering

Bruce Eric Weber
Leo, Indiana
Mechanical Engineering

Martin Andrew
Wessler
Indianapolis, Indiana
Civil Engineering

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Chemical Engineering

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Crawfordsville, Indiana
Mechanical Engineering

Robert Steven
Werner
Canoga Park, California
Computer Science

Mark A. White
Monterey, California
Mechanical Engineering

Daniel R. Tretter
Ferdinand, Indiana
Electrical Engineering/Mathematics

Michael Alan Wack
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Mechanical Engineering

Chris P. Wernimont
Aurora, Indiana
Chemical Engineering

Mark Conway
Whitmore
Mount Zion, Illinois
Mechanical Engineering
CONGRADUATION!!
Class of 1987
Shook Fieldhouse became a sea of black when more than 280 seniors filled the floor for commencement May 22, 1987. They left with a diploma and hope for the future. In addition to students receiving degrees, honorary doctorates were awarded to Norman A. Cranin, William Fenoglio, Howard Irvin, and John D. Winters.

From left: Carl Regenauer, Darrel Huff, President Samuel F. Hulbert and Herman Moench. Regenauer and Huff were named co-winners of the Heminway Gold Medal awarded each year to the senior graduating with the highest cumulative grade-point average. Both graduated with a 4.0. You can't get any better than that at Rose-Hulman. Huff received his degree in chemistry and Regenauer received his in electrical engineering. Huff also received the Moench Commendation.

Commencement speaker Norman A. Cranin stresses the importance of ethics.

Ray Uehara gives his graduation gown the Hawaiian touch with some leis.

Trent Bennett adopts a shady look to go with the sunshine on commencement day.

Commencement at Rose-Hulman is a family time as demonstrated by this group that conducted a "tailgate" party after graduation ceremonies.

The culmination of four years of hard work comes when President Hulbert shakes the graduate's hand and passes him his well-deserved diploma.
Now the time approaches to bring this school year to a close. It is with this closing that the Modulus turns its last page for 1986-87. This year's book has successfully met the assigned deadlines and, with appropriate help from Intercollegiate Press, the Modulus will be delivered during the fall quarter of 1987, on schedule.

The mounting of a project to fill 160 pages with photographs, clear words and page design was mindboggling from the start. Formation of a loyal staff that will stay throughout the year is the first project of the year. The staff was composed mainly of enthusiastic freshmen with seasoned veteran upperclassmen. Our chief photographer was Jeff Pahl. The role of organizing all photo shots to their successful completion requires a person dedicated to the position. Jeff did a fine job, especially taking over after our initial photo chief left school during November. Jeff's work was made easier with the work of several photographers and darkroom aces. I would like to acknowledge all of the photographers, especially Jeff Pahl, Matthew Morris, Mark Thornburg, Jeff Coleman and John Hanger. Even the editor learned how to use a camera, once he remembered he must advance the film through. Special thanks go to Joe Hargis, assistant director of college relations for darkroom assistance, and to the admissions office for assistance in mailing books to last year's seniors.

Once a working group of photographers was arranged, the task of what to put into the book became a priority. These obstacles were met head on by a diligent group of organizers, layout designers and copy writers. The fine work of the Modulus was done in great extent by Tim Crowell, Scott Webb, Mark Thornburg, Scott Brown, Mike Thoeny, Corie Biggs and myself. Gratitude is also extended to copy writer Mark Case for his section articles. The Modulus staff would like to recognize our adviser, Bryan Taylor, director of publications, for his patience and work in seeing this book through on time. I am proud to present to you the 1986-87 Modulus.

Shawn L. Huffman
Editor