1986

1986 Modulus

Rose-Hulman Institute of Technology

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The 1939 Modulus "endeavored to show the progress at Rose both in the past and during the school year of which this is a record." The 1986 Modulus has adopted that philosophy to record another period of transition at Rose. Just two years have passed since Olin and Hadley Halls became active parts of the Rose campus. Now the renovation of Moench Hall is in full swing. Just as the college is building on its past to make improvements for the future, the 1986 Modulus is doing the same. While reviewing the 1985-86 school year, this volume also contains photographs that graced the pages of previous yearbooks. Most of those older photos are found on the section division pages. Some things change; some things do not. Much of what Rose is today is a result of its heritage. The groundwork of what it will be is being laid now. Read and enjoy.
IN MEMORIAM

This yearbook is dedicated
to Dr. Donald Chiang (1931-1986),
Professor of Mechanical
Engineering at Rose-Hulman (1965-1986)
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Upstairs B-section Hallway, home for the EE Department.

The Advanced Circuits Lab, B-105.

The Communications Lab, B-200.

Moench, Hadley, and the Cul-de-Sac

Introductory Physics Lab, BL-113.
More than 60 years ago the institute got a new academic building. We know it today as Moench Hall. All during its history it kept its "old factory gothic" look. Moench Hall was for an engineering school and it looked like it housed engineers. Protruding steel beams, rivets, chains, pulleys, and brick walls were the essence of Moench. The walls stimulated visions of the old workshops and the true basics of engineering.

Times change and so has Moench Hall and the rest of the school. The completion of Olin Hall started a wave of modernization. Sleek crisp lines shot from Olin in through Moench. Sections "A" and "B" have so far been affected. Spring quarter classes christened the newly opened "B" section. Pale green brick walls crumbled to become white and maroon drywall. Exposed steel beams and rivets became thermopaned skylights and dark stained wooden timbers. Moench Hall still gives the impression of today's high technology: simplicity amongst complexity.

Good ol' B-119 is fading fast to its new name of the GM Room. Another remarkable make-over is the old student's lounge: the caged lockers, the old vinyl furniture, and the junk food machines? Remember? It has now been transformed into the Advanced Circuits Lab (B-105). The musty-dusty appearance of the old Physics labs hidden in the labyrinth of the "Moench Dungeon" now resemble high tech clean rooms at NASA. The maze in the Moench basement is getting straightened out. At the end of the renovation project, an entirely new sub-level hallway will traverse the length of Moench Hall. A true appreciation of these modern facilities can only come from the knowledge of what the old facilities were like.
Where was this lamp?

Blueprint for excellence

This was the year of the Great Renovation. B section was completed or at least made functional, and C, D, E, and parts of F were closed off from human civilization. They were utterly gutted to make way for a trimmed down, modern, state-of-the-art 4-level academic building. Moench Hall will never be the same.

First temporary mailroom, C-section, first floor
I don't want to meet the creature that made this hole!

An old circuits lab in C section

Working hard in the lower level

The stairs in D section from the 1st floor to the east exit, passing D-104

Second floor, looking from A section toward F section
What can be more relaxing than blowing off school work with your friends, laying out and soaking up the rays, or jamming with some rock-n-roll? SPRINGFEST! Springfest is all of this. It gives the students a chance to shake the cobwebs of winter out of their heads. The event celebrates the arrival of spring and the near completion of another year at Rose. School was the furthest thing from everybody's mind. Cheering, dancing, and, of course, female-watching were at the top of the activities list, but some of the other activities were a beach volleyball tourney, a water slide, and the opportunity to "dunk" your favorite R.A.
The day started out with Herman and the Renovators, a group of Rose students that has been successful in playing a mix of oldies and progressive music locally. Adding more energy to the day was Chantz, a new dance band from Indy. Chantz has also been popular at both Ball State and Purdue. Then along came Henry Lee Summer to push the day to its climactic point of fun in the sun. Henry is currently the hottest singer in the state of Indiana. Being from Brazil, he has been known locally but his claim to fame resounds throughout the Midwest. Henry Lee currently has a music video getting air time on MTV. Those who have seen him perform admit they get caught up in his humor and music. Simply, Henry Lee Summer is a great time just waiting to happen, and it happened at the third annual Springfest! Bear it at Springfest!!!
Some Things Change

From the 1962 RPI Student Handbook:
TRADITIONS OF ROSE:

... At the beginning of the school year, each freshman is expected to acquire a freshman cap which is to be worn everyday except Sunday, from morning to evening ... It has also been tradition at Rose for only seniors to wear corduroy clothing ...

Again, from the RPI Student Handbook:
YELLS AND SONGS

Locomotive
Nuts - Bolts - Screws - Gears
Rose Poly Engineers
(Repeat three times)
Fight!

E to the X
dy, dx
E to the X, dx

Cosine, secant, tangent, sine,
Three-point-one-four-one-five-nine.
Slipstick, T-square, boogie factor, too.
... , to hell with you!

A receipt found in the archives reads: ... Terre Haute, Ind., OCT 11 1886 Received of Watson Galloway ... Thirty Five Dollars For Tuition and Incidents, Rose Polytechnic Institute, for the term beginning Sept. 15 1886

The St. Pat's Dance, once a tradition at Rose, has long faded into the nether regions ...
And Some Don't

From the 1962 RPI Student Handbook:

... Each freshman class is charged with two special responsibilities. The first of these is the special charge of Rosie, the white elephant mascot of the school. The other responsibility of the freshman class is the construction of the Homecoming Bonfire ...

Actual test questions, 1886:

Dynamics: Answer either (a) or (b) but not both.

3 (b) A body falls from rest at the top of a tower and strikes the ground in 3 seconds. Find the height of the tower; g = 32.

4 (a) What force would be required to cause a mass of 10 lb to acquire a velocity of 10 feet per second in one second.

(EDITOR'S NOTE: even in 1886, profs were ending questions with period!)
Russia's only stand-up comedian, Yakov Smirnoff

Coronation of Queen “Bert”

Class of ’89 Bonfire

“England Dan” Seals
Rose-Hulman Cheerleaders strut their stuff

The charming Queen graces the Homecoming game

As always, tradition and plenty of socializing were key elements of a Rose-Hulman Homecoming. Alumni returned to campus in droves to help current students with the festivities.

Queen Bertha Horning and her court reigned over all Homecoming events, which included the bonfire (Good job, Class of '89), and the football game against Taylor University (Engineers lost 28-14). The bonfire contained 900 railroad ties and a tin outhouse. Freshmen also managed to construct a new Rosie mascot.

In other Homecoming action, many class reunions took place and many campus organizations and fraternities had get-togethers to welcome alumni home.

On the entertainment front, nationally known comic Yakov Smirnoff brought his Russian humor to Shook Fieldhouse, and England Dan Seals took over the stage with some "down home" music.
This year's Parents' Day was another success. The campus clean-up the week before did wonders for the physical appearance of the campus. All departments participated in the Rose Show this year, even though it was not as well attended as it has been in previous years. Some favorite attractions were the decolorization of Kool-Aid, a microcomputer that played tic-tac-toe, the bridge-busting contest, and a robot which played tic-tac-toe.
COMMENCEMENT
1986

The ranks of Rose alumni grew by more than 280 when degrees were conferred during commencement ceremonies May 24. Bruce Carpenter received the Heminway Gold Medal awarded to the senior with the highest cumulative grade point average. The Herman A. Moench Commendation was presented to Robert Wilkins, and the John Royse Award went to Roger Davidson. Both awards are presented to seniors who have displayed outstanding leadership skills and potential for success. The commencement speaker was Burnell Roberts, chairman of the board and chief executive officer for The Mead Corp., Dayton, Ohio. He urged graduates to be innovative in their endeavors.

Salute to a legend

This year's commencement ceremony marked the retirement of a Rose legend, Professor Herman A. Moench. His career spanned 56 years at his alma mater. The 77-year-old educator held a variety of positions since joining the faculty in 1930. He has been professor and chairman of electrical engineering, dean of engineering, acting president, vice president and senior vice president. Through the years, Moench received numerous state and national honors, but he said he wants to be remembered foremost as a teacher. The graduating class of 1986 gave Moench a standing ovation during commencement. The Modulus salutes and thanks Professor Moench for his dedication to Rose and engineering education.
The Class of '86


Families and photos were a key part of the celebration.
This is a map of the campus as it was planned to be in 1917; it is a far cry from the "Plan of Excellence."

Rosie sees the light
This two-page spread has no business here, but let's have some fun, enjoy the pictures, and be expressive — FN.
KEY:
A........Herman A. Moench
B........Darrell E. Criss
C........Dale F. Oexmann
D........Paul R. Mason
E........Hannelore N. Lehr
F........Peter F. H. Priest
G........Cecil T. Lobo
H........Mark M. Berino
I........Alfred R. "Big Al" Schmidt
J........Frank A. Guthrie
K........Warren W. Bowden
L........Don L. Dekker
M........Irvin P. Hooper
N........Robert M. Steinhauser
O........John T. Ying

An HP: 1965 model

Academics
The mission of the Department of Chemistry has several facets:

1. To build a strong foundation in the principles of modern chemistry which will serve as the basis for future specialization for those seeking a career in chemistry or a closely allied field.

2. To provide ample depth, diversity and perspective in modern chemistry to those students preparing for a career in chemical engineering, medicine and related fields so that their prospects for a successful career will be enhanced.

3. To provide a quality experience in some of the essentials of modern chemistry so that all Rose-Hulman graduates will have a reasonable understanding of the role and utility of chemistry and chemicals in modern technology.

4. To help our students acquire a better understanding and appreciation of the impact of chemistry upon our society so that they might be better informed citizens.

5. To provide both experience and assistance in technical writing so that Rose-Hulman graduates might be better prepared to convey scientific information to either co-workers or the general public, with both accuracy and precision.
ABOVE: I'd rather be watching Miami Vice. LEFT: Three students in a classroom.
The philosophy of the Department of Chemical Engineering at Rose is to stress the fundamentals in the classroom and expand that theory with open-ended laboratory assignments. The computer is used in design and other work when required by the iterative or complex nature of the problems. Communicative skills, both oral and written, are an integral part of our sequence of laboratory courses.

The department also supports a small but active graduate program leading to the M.S. degree. The goal of this program is to provide the opportunity for a few students to delve deeper into the theory and to carry out some independent work by means of their thesis.
Really, this worked an hour ago!

Bubble, Bubble, Toil and Trouble.
The Rose-Hulman Civil Engineering program is designed to provide a broad-based "liberal" engineering education for undergraduate students who are interested in becoming a part of the people serving the profession of Civil Engineering. The Civil Engineering curriculum is a laboratory intensive program that covers the breadth of the practice of engineering that is most directly associated with serving the needs of man and society. Although the curricular emphasis is placed on educating engineers who are qualified in all facets of civil engineering the Rose-Hulman Civil Engineering program also encourages students to obtain specialized knowledge in one area. The Rose-Hulman Civil Engineering student is required to select an Area of Concentration and to enroll in four elective courses in that area of interest. The three Areas of Concentration provided in the curriculum are: Architectural-Construction Engineering; Environmental-Water Resources Engineering; and Structural Engineering.
A “working” Civil.

Above right—Typical student housing, with excellent view of parking lot. Left—King Midas surveys his kingdom.
The people who really do all the work ... (L to R) Barbara Shaw, Patricia Williams, and Lori Chasteen.
The Computer Science Department, now enrolling over 100 majors (fourth largest at Rose-Hulman), continues to provide quality instruction in languages, architecture, operation, and management of computing systems with emphasis on basic theory and applications. Augmenting this core material, the department has implemented offerings in data base systems, artificial intelligence, software engineering, and systems simulation and analysis.

The most recent language acquisitions and staff additions enable the department to present instruction in three languages which are currently becoming popular—UNIX, C, LISP, and Ada. Additional curricular offerings are being considered for a Master's Degree program and for possible accreditation by the national Computer Science Accreditation Board.
This year will certainly be remembered as a year of incredible change. Four new faculty members have joined the department, bringing a wealth of educational experience with them. Added to an already impressive record of academic credentials are terminal degrees from Carnegie Mellon (Dr. Frank Acker), the University of Missouri-Columbia (Dr. Fred Brockhurst), the University of Manchester Institute of Science and Technology, UK (Dr. Clifford Grigg), and the Technical University of Berlin (Dr. Bing-Hope Liu). New facilities and locations are a part of this portrait of change. The long-awaited remodeling of Moench Hall is here!

The National Science Foundation announced the funding of a Rose-Hulman grant request for Electrical Engineering Communications Laboratory equipment. Several similar grant requests are pending. New equipment is important in keeping pace with the rapid developments in this dynamic field.

An especially notable event of this year has been the recognition of EE Senior Roger Davidson as having been this nation’s “Outstanding Junior Electrical Engineering Student” in 1984-85. The award was made by Eta Kappa Nu and Roger was the first recipient. It is an honor well deserved.
Ok- that'll be a pound of holes, and how many photons did you want?

Waiter! This is not the soup I ordered!

But wait! That's not what Piecer got!

A well-rounded engineer is built on his knowledge of arts, literature, and languages. The Humanities Department at Rose-Hulman offers these and others, such as classes in life sciences, economics, world religion, and other social sciences. Rose-Hulman offers minors in several social sciences, certificates in technical translation in German and in Russian, and a major in economics. The department is presently expanding with the addition of an artist in residence and the expansion of the Writing Center this year and the permanent addition of the Asian Studies program next year. The members of the department strive to teach students that a knowledge of a variety of cultures not only furthers the ability to address those from western countries but with a basic knowledge of other cultures, furthers the ability to address those from cultures radically different from our own.
It's Wednesday night at ARA.

Fighting for a seashell.

Roaming technicolor hallway.
Tom Swopes

Rose-Hulman was proud to have as this year's Artist in Residence, Tom Swopes. Originally Tom received his Bachelor of Science degree in Education from Southwest Missouri State University in 1981. He went on from there to Indiana University where in 1985 he was awarded a Master of Fine Arts degree (Magna cum laude).

Tom's experience has been wide and varied. Ranging from an Arts and Crafts instructor to an Associate Instructor at Indiana University, he finally became Rose-Hulman's Artist-in-Residence in 1985.

Tom's works, which are too numerous to name here, have received many awards. A number of his works are on display at Rose. These include: "A Horse and his Boy," "Last Love Letter," and "Problems with Motherhood."

Tom says of his work: "The endless contrasts of existence—birth, death, love and hate—refused to resolve themselves in any meaningful way until I began to see their similarities. My work juxtaposes animal and human birth their pain-struggle, dreams and the passage of time, in the hopes of finding the connections in this circle I walk. We are the same, man and animal, as connected as cruelty and kindness, each of us struggling and surviving."

Above: Tom Swopes at work
Below: Tom Swopes's workshop in the basement of F section
ARTIST IN RESIDENCE

Left: Tom Swopes at work Below: "A Boy and his Horse"

“My Last Love Letter”

Another shot of the F-section workshop

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**FALLACIES**

A fallacy is defined to be an argument whereby an obviously false statement is 'proved' by seemingly logical arguments. It should be easy to detect what's wrong with most of the following fallacies. In any case we are not going to spoil the fun by telling you.

1. Suppose a is an arbitrary number and let

\[ \begin{align*}
\text{then} & \\
ab & = a^n \\
ab - b & = a^b - b^a \\
\alpha & = b^{n+1} - a^n (a - b) \\
a & = b^{a^n}
\end{align*} \]

Since a is arbitrary we may set a = 1 to obtain

(*)

\[ a = 2 \]

We mention that once we have proved (*), we can take on the world and prove anything. For example to prove \( 7 = 11 \), we subtract 1 from both sides of (*) to get

\[ 0 = 1 \]

Now multiply both sides by 7 - 11 to get

\[ 0 \times 7 - 11 = 7 - 11 \]

This reminds us of a story told about Bertrand Russell. It seems that Russell was giving a lecture on logic to a lay audience and was trying to make the point that from a false hypothesis, one can, by logical reasoning, prove anything. Some skeptic in the audience challenged Russell: "I don't believe that, why don't you assume that \( 2 = 2 \) and show that you are the Pope." After a short pause Russell is reported to have said "the Pope and I are two", then after a longer pause continued "therefore we are one."

2. **Theorem.** \( 1 \) is the largest integer.

Proof. Assume \( 1 \) is not the largest integer, say \( n > 1 \) is the largest integer. However \( n > 1 \), so \( n \) cannot be the largest integer. Thus the assumption that \( n > 1 \) is the largest integer leads to a contradiction, therefore the largest integer must be 1.

3. Let \( z \) be any complex number such that

\[ \tan z = i \]

Let \( w \) be any complex number, then, for some \( u \) we have

\[ w = \tan (z + u) \]

\[ \tan z = \frac{\tan z + \tan u}{1 - \tan z \tan u} \]

\[ = \tan (z + u) \]

\[ = \tan (z - u) \]

\[ = \tan (z + 2u) \]

\[ = \tan (z - 2u) \]

Thus for any \( w \) we have \( \tan w = i \).

4. **Theorem.** \( 2^n > 1 \) for all \( n > 0 \).

Proof. (by mathematical induction) The theorem is obviously true for \( n = 1 \) since \( 2^1 > 1 \). Now assume the theorem is true for all \( k < n \), that is \( 2^k > 1 \) for all \( k < n \). We must prove it is true for \( k + 1 \). We have
Above: It's going to be a long weekend.

The Mathematics Department has been fortunate to have Robert Lopez and Dan Scott fill the vacancies created by the departure of Damon Disch and Robert Per­vine. These additions continue the strength of the department in all areas of mathemat­ics, including those which are primarily ser­vice courses to students of other depart­ments. The Second Annual Rose-Hulman Conference on Undergraduate Mathema­tics was held in April, 1986. Students of this department continue to present papers at mathematics meetings and to achieve high marks in mathematics competitions with other colleges. Mrs. McCullough, Depart­ment Secretary, is now fully PC’d with her own Zenith PC—this allows her to be the resource person on “how do you do this or that” to the department faculty. Herb Bailey has presented a workshop on how to teach some interesting topics of mathe­matics and has given lectures at the Math Association meeting on Engineering Math­ematics. Jack Kinney, with a grant from the Indiana Department of Education, has con­ducted a program for high-school teachers in probability. Ralph Grimaldi has returned from a year’s sabbatical with Applied Com­puting Devices (Bill Schnidel, Rose-Hulman, Math ’69, Pres.) in time to see his book on “Discrete and Combinatorial Mathematics: An Applied Introduction” released.

Below: Professor Hale displays her smile.
1986 is the year of the big move for the Mechanical Engineering Department. We will be moving from our present location in the D and E sections to the depths of the F section. At least, during our 18 months in the old "Chem. E. hole," we can look forward to the new laboratories and offices we will have once the renovation of Moench Hall is completed. We are really looking forward to the time when the new laboratories will be available as the additional space and new equipment are much needed. In addition to the laboratories we now have, we will also have a manufacturing laboratory, a "Rocks" lab and a "Bottoms and Vibes" lab. The addition of these facilities will not only improve our existing laboratory courses but will also allow us to offer "hands on" experience in other areas.

Although we feel we have a good program, we plan to continue to improve it. We are very pleased with the students' response to the new courses offered this year, Analysis of Dynamic Systems and Thermal Design, and will revise other required courses when we feel it is necessary. Although we plan to continue to update our program we still plan to structure our curriculum so that a student can receive a very broad and deep understanding of the basic fundamentals and principles of engineering and at the same time allow a student the choice of concentrating in an area of particular interest. After all, if it moves, it is mechanical engineering: Thus we must try to prepare our students for careers in all major industries.

We are very pleased that Bryan Becker has joined the department. Bryan has been working at the Oak Ridge National Laboratory for the last ten years. On a sadder note, I am sorry to report that Don Chiang passed away in March. Don was a very popular instructor and he will be missed by the students and faculty.
Photographic composition of fire extinguisher, student, sign, and office.

The ME Shrine, the sight of the sacrifice of many a ME's GPA.
The Department of Physics has been building undergraduate and graduate programs in applied optics (applications of lasers, fiber optics, etc.) during the last couple of years. The department now offers an area minor in applied optics at the BS level and an MS (Applied Optics) degree at the graduate level. The purpose of these programs in Applied Optics is to prepare students with an expertise in modern optics and its applications. The student interest and the demand by the industry for these graduates is growing exponentially. There is a very active group of faculty members now working in the area of Applied Optics. A Center for Applied Optics has been established, primarily to provide means to interact with the industry on optics-related projects. The funding for Applied Optics at Rose-Hulman from external sources currently stands at about $600,000.

Another major area of interest among the physics faculty members is the use of videodisc technology in computer-aided instruction. This interest is also attracting external funding and recognition.

Regarding the Physics Department faculty, Dr. Meeks has attained the rank of Professor Emeritus and Professor Remington and Dr. Sirohi are new additions to the department.
Like your mother said, "If it tastes bad..."

\[
\frac{1}{2} \int \left[ \frac{\partial^2 y}{\partial x^2} - \frac{\partial^2 y}{\partial t^2} \right] \, dx = 0
\]

Q.E.D. = Quite Easily Done

Power in homogeneous wave on string \( P = \frac{1}{2} \rho c A u \)

(a) \( P = \frac{1}{2} \rho A c u \left[ \frac{2\pi c}{4} \right] \left( \frac{5 \times 10^{-3} \text{ m}}{100 \text{ m/s}} \right) = 0.77 \text{ W} \)

Increase tension \( A \) makes \( P \) increase by \( \times 100 \times \) (use \( T^2 \))

Fishing for Quark

Brij Khorana Aerobicize
Organizations
The Blue Key honor fraternity seeks to foster "an ambition for intellectual attainment and a desire to serve college and fellows." The motto of Blue Key is "Serving, I live." The activities of Blue Key include: The Homecoming Pep Rally Homecoming Queen contest, sponsorship of Parent’s Day, The Rose Show, and Student-Faculty discussions.
Eta Kappa Nu is the Electrical Engineering honorary. Its purpose is to recognize outstanding students in the field of electrical engineering. The Epsilon Eta chapter at Rose-Hulman was established in October, 1965.

The members of Eta Kappa Nu

Alpha Chi Sigma is a professional fraternity in Chemistry. Membership is by invitation and is open to anyone who intends to make his life's work some profession in which chemistry predominates. A main objective of the chapter at Rose-Hulman will be to aid its members in the development of their careers in chemistry. The Rose-Hulman chapter was active from 1909 to 1938 and reactivated in 1984.

The members of Alpha Chi Sigma
The Rose-Hulman chapter of the national residence hall honorary provides recognition for those individuals who have provided important leadership in the advancement of the residence hall system at Rose-Hulman.

The purpose of Tau Beta Pi is to mark, 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. It sponsors several banquets each year.
The Association for Computing Machinery, Inc., is the largest professional society for data processing specialists with members from the U.S. and many foreign countries. Student organized and managed, the chapter activities are designed to further the members' knowledge of data processing through local, regional and national conferences, field trips to computer installations, guest lecturers, and special projects in cooperation with the Institute's computing center.

As with other professional societies, the chapter seeks to familiarize the student with responsibilities and situations encountered in his role as an engineer. This aim is accomplished through such activities as talks by men prominent in the chemical engineering field, plant inspection trips, and student talks. For chemical engineers, participation in the American Institute of Chemical Engineering affords a chance to gain insights into their future careers.
STUDENT ACTIVITIES BOARD

A branch of the Student Government Association, the SAB 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.

STUDENT GOVERNMENT ASSOCIATION

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 units. The Student Court, together with the congress and the executive branch, furnishes a complete student government.
The purpose of IEEE is the advancement of the theory and practice of electrical engineering, electronics and allied fields of science and engineering. In pursuit of this stated objective, the local branch presents a well-balanced program, consisting of demonstrations and lectures by prominent men in the industry and from other institutions, field trips and plant inspections, student seminars and student paper contests, and a chapter research project.

Apathy: the largest organization on campus. Nobody attends the meetings because they just don't care.
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 instills ideals of good citizenship and professional principles.

Members of Circle-K

DEBATE CLUB

The Rose-Hulman debate club has received national recognition in its relatively short existence on campus. Under the guidance of an excellent debate coach, the Rose-Hulman debate team has captured numerous honors.

The Rose-Hulman debate team
STUDENT ORGANIZATIONS

**ALPHA PHI OMEGA**

The Tau Lambda Chapter of Alpha Phi Omega was originally chartered at Rose-Hulman in 1968. 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. These projects have included: conducting a work day at camp Wildwood, cleaning at the Hamilton Center, cleaning Speed beach, running the lost and found center, and building the steps behind Crapo Hall.

**GRESIDEJX9E**

The members of Alpha Phi Omega

**RESIDENCE HALL ASSOCIATION**

The Residence Hall Association coordinates the activities of the residence halls. The RHA has representation from each hall. Some of their annual activities include the film series, all-night movie specials, homecoming dance, and various trips.
The American Society of Civil Engineers offers to all students in the civil curriculum an opportunity to broaden themselves in their future profession. It enables the student to meet with practicing engineers in the area thereby allowing them to come in contact with professional ethics and attitudes. The A.S.C.E. sponsors field trips, contests and movies of current civil engineering projects, in order to relate the theory of the classroom to the practicality of the real world. The A.S.C.E. is a big step toward becoming a professional engineer.

Another bridge is about to collapse at the ASCE’s annual bridge busting contest on Parents’ Day.
ORIENT CLUB
The Orient Club was organized this 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. At the end of May, fifteen Rose students will spend a month in Japan catching "A view of Japanese technology from inside out."

GERMAN CLUB
The purpose of the German Club is to provide a relaxed and informal atmosphere for learning conversational skills and to provide information on the culture and society of the German people. The German Club works with the German Clubs at ISU and St. Mary-of-the-Woods College, and it participates in the national and state German Club societies.

FLYING CLUB
The Flying Club was formed in early 1975 to promote aviation on the campus. Presently the club conducts a free ground school and offers flight instruction at a reduced cost at a nearby airport.
ROSE RIFLES

The Rose Rifles is a volunteer military drill team. The members are trained to execute intricate close-order drill for ceremonies, parades, and drill exhibitions and meets. Rose Rifles provides another opportunity for intercollegiate competition. Since Rose Rifles is a club, it is not necessary to be in ROTC. Rose Rifles attends 3 to 6 drill meets including Purdue, Eastern Kentucky University, and the University of Illinois. It also attends the ISU homecoming parade as well as several other parades and Parents' Day at Rose-Hulman.

BROADCASTING CLUB

The men of WMHD are completely responsible for the continuous operation of the Rose-Hulman radio station. We broadcast 150 Watts (ERP) at 90.5 MHz and our facilities are located in the basement of BSB Hall. Numerous opportunities are available for the energetic students: studio recording, live recording/PA, production of recorded programs, software construction and maintenance, studio construction and maintenance, all facets of news/sports/current events reporting, not to mention being a disc jockey and playing the best music in Terre Haute.
GLEE CLUB

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. Each year the Glee Club takes a spring tour.

BAND

The Rose-Hulman Band provides an opportunity for students to continue to pursue fulfillment through musical performance. The Pep Band performs at all home (and several away) basketball and football games. The Jazz Band performs at area schools and Jazz festivals.
ORGANIZATIONS

DRAMA CLUB
CHESS CLUB

The Chess club exists to promote interest in the game of chess and to provide an opportunity for organized competition. The club owns an extensive library of chess books, pamphlets, and cyber computer chess packets. The Chess club sponsors the Rose Open Chess Tourney. Additional activities include: Pan-American Intercollegiate Chess Tournament, Annual Club Championship, and the Annual Patzer (beginner's) tournament.

ROSE CHRISTIAN FELLOWSHIP

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.

FELLOWSHIP OF CHRISTIAN ATHLETES

The Fellowship of Christian Athletes is an interdenominational group sponsored by Christian athletes and coaches for any athlete whether a member of a varsity team or not—who is interested in learning more about the Christian faith.

The purpose of F.C.A. is to present to athletes, coaches and all people they influence, the challenge and adventure of receiving Christ as Saviour and Lord, serving Him in their relationships and in the fellowship of the church.

This group also works with local high schools and the community.
The Thorn is the weekly newspaper of Rose-Hulman. The Thorn affords the student an opportunity to express himself, his thoughts, ideas, and criticisms on all aspects of student life. Approximately twenty-eight issues are published each academic year (one each week). In addition, the Thorn sends representatives to the Indiana Collegiate Press Association Conference and has an annual awards dinner.

FENCING CLUB

Not much is known about the fencing club at Rose. They do compete in tournaments and we imagine that is hard work but very rewarding.
KARATE CLUB

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.

RACING 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.

PHYSICS CLUB

The Physics Club seeks to supplement classroom instruction and research and to serve as a vehicle of communication between physics students and the faculty. The club sponsors seminars, organizes field trips, shows films and publishes an annual journal.
Coach Bob Thompson and his coaching staff unleashed a new offensive weapon upon their College Athletic Conference foes and other opponents—the wishbone offense. As a result, Rose-Hulman ranked twelfth in NCAA Division III Rushing Category; a first-time feat in an offensive category.

According to Coach Thompson, "The team was composed of tremendous men and athletes. It was a young team whose prospects for success were very good." Adjustment to the new offense and defense took a while. This fact was obvious because Rose did not have a constant quarterback. Everyone had to learn a new offense and were like incoming freshmen. Coach Thompson's philosophy as to who plays is that "once you have an opportunity to play you have to impress the coach not to take you out." Freshman Jason Duff obtained the quarterback position late in Rose's Homecoming loss to Taylor by leading the Engineers to their only touchdowns. Duff then led Rose to consecutive victories over Earlham and Centre before he was hurt in the Centre game. Larry Greene and Dennis Kelly again competed for the quarterback position.

For the 1985 campaign, Rose finished with a 4 and 5 record and tied for third in the CAC. "The future looks bright," according to Coach Thompson. Due to Thompson's resignation as head football coach in January, he will not be leading the attack; but nevertheless, the Engineers will continue to have a great deal of success and improvement.

Below: Quarterback Dennis Kelly runs the wishbone offense.

Right: Howard Scott sacks Taylor's quarterback and Sahli is in hot pursuit.
MVP Phil Meiss gets into the familiar defensive stance that led to CAC honors.

Quarterback Larry Green looks down field after Brian Cavagnini had completed his blocking assignment.
A year of injuries and illness plagued the 1985 edition of Rose-Hulman’s Cross Country Team. Even with these defects, Coach Bill Welch’s ten returning lettermen and newcomers defeated rival Wabash College in their only dual meet and finished second in the College Athletic Conference meet.

Six runners turned in personal best times over the year. Three of these runners, juniors Roger Hruskovich and Kurt Kelso and senior Lee Beckham, achieved all-conference honors for their high finishes at the conference meet. Other top performances include Kelso and Hruskovich’s top two best times in the Hokum-Karem and Kelso and Carl Czarnik finishing in the top 25 in the NCAA Regional.

Coach Welch summed up his 1985 team as the “usual group of athletes who carry a good attitude about running. This has become a trademark at Rose-Hulman.”

Carl Czarnik illustrates the required concentration

Kurt Kelso and Mark Tebbe vie for position

Keith Harriman, Carl Troike, and Mark Tebbe race their opponents up the hill.
Soccer Team Has Best CAC Finish Ever

Gordon Hathaway tries to steal the ball from his opponent.

Rich Correll is in hot pursuit on defense.

The 1985 Rose-Hulman soccer team molded thirteen returning lettermen and fourteen newcomers together to finish third in the College Athletic Conference, its highest placing ever. According to soccer coach Jim Rendel, "The team played very well but just didn’t get the breaks that they did last year. In fact, they played better than last year’s team.”

Seniors Rich Correll and Gordon Hathaway led the Fightin’ Engineers to their best CAC finish by performing in key transition positions. Junior Paul Price also helped in the Engineers’ cause by rejecting the opponents shots as he protected Rose’s goal. These three athletes were rewarded for their efforts by being selected to the Illinois-Indiana Intercollegiate Soccer All-Conference team.

Rose’s key victories came over Centre and its first victory over Rhodes College en route to a 2 and 2 CAC record and a 4 and 11 regular season record. “The seniors did excellent jobs and will be missed,” Rendel said. “However, we do have some excellent returnees.”

<table>
<thead>
<tr>
<th>Rose Soccer</th>
<th>Opp.</th>
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<tbody>
<tr>
<td>2 Bealmine</td>
<td>6</td>
</tr>
<tr>
<td>0 Brescia</td>
<td>2</td>
</tr>
<tr>
<td>4 Blackburn</td>
<td>1</td>
</tr>
<tr>
<td>1 Earlham</td>
<td>3</td>
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<tr>
<td>0 Greenville</td>
<td>3</td>
</tr>
<tr>
<td>0 Principia</td>
<td>7</td>
</tr>
<tr>
<td>3 Wabash</td>
<td>5</td>
</tr>
<tr>
<td>0 MacMurray</td>
<td>1</td>
</tr>
<tr>
<td>2 Rhodes</td>
<td>0</td>
</tr>
<tr>
<td>1 Sewanee</td>
<td>6</td>
</tr>
<tr>
<td>4 Taylor</td>
<td>2</td>
</tr>
<tr>
<td>0 Ind. Central</td>
<td>4</td>
</tr>
<tr>
<td>1 DePauw</td>
<td>7</td>
</tr>
<tr>
<td>0 Brescia</td>
<td>1</td>
</tr>
<tr>
<td>3 Centre</td>
<td>1</td>
</tr>
</tbody>
</table>
Senior Bert Stone receives a congratulatory bottle of champagne from coach John Mutchner.

Senior Tim Kropf shoots a jumpshot over several Spartan defenders.

<table>
<thead>
<tr>
<th>Rose OPPONENT</th>
<th>Opp.</th>
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<tbody>
<tr>
<td>64 Blackburn</td>
<td>62</td>
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<tr>
<td>69 Rhodes</td>
<td>86</td>
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<tr>
<td>67 PRINCIPA</td>
<td>62</td>
</tr>
<tr>
<td>70 MANCHESTER</td>
<td>63</td>
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<tr>
<td>61 ANDERSON</td>
<td>56</td>
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<tr>
<td>93 Webster</td>
<td>83</td>
</tr>
<tr>
<td>64 Brandeis</td>
<td>77</td>
</tr>
<tr>
<td>67 Johns Hopkins</td>
<td>78</td>
</tr>
<tr>
<td>61 Principia</td>
<td>50</td>
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<tr>
<td>59 CENTRE</td>
<td>70</td>
</tr>
<tr>
<td>89 Greenville</td>
<td>65</td>
</tr>
<tr>
<td>76 Earlham</td>
<td>75</td>
</tr>
<tr>
<td>65 SEWANEE</td>
<td>62</td>
</tr>
<tr>
<td>71 MacMurray</td>
<td>72</td>
</tr>
<tr>
<td>66 WABASH</td>
<td>68</td>
</tr>
<tr>
<td>72 Washington</td>
<td>78</td>
</tr>
<tr>
<td>61 FISK</td>
<td>69</td>
</tr>
<tr>
<td>84 EARLHAM</td>
<td>75 (OT)</td>
</tr>
<tr>
<td>37 Centre</td>
<td>67</td>
</tr>
<tr>
<td>56 WASHINGTON</td>
<td>63</td>
</tr>
<tr>
<td>71 Sewanee</td>
<td>78</td>
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<tr>
<td>72 Fisk</td>
<td>63</td>
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<tr>
<td>53 Wabash</td>
<td>70</td>
</tr>
<tr>
<td>56 RHODES</td>
<td>61</td>
</tr>
<tr>
<td>68 DePauw</td>
<td>97</td>
</tr>
<tr>
<td>83 ILLINOIS COLL.</td>
<td>82</td>
</tr>
</tbody>
</table>

*Home games are in all CAPS.
Mutchner Gets 300th Career Victory

The Rose-Hulman Institute of Technology basketball team finished the 1985-1986 season with a 12-14 overall record and a 4-6 mark in the College Athletic Conference tying with Fisk University for third place.

This season’s performance by the Engineers was a five-game improvement over last season’s 7-19 record, and was three games better than last year’s 1-9 record and last-place finish in the CAC.

“The year turned out better than we expected,” Head Coach John Mutchner said, “Not many thought we could win 12 games, but we played hard all season long and we maintained a great attitude. Considering the problems we had with illness and injuries, I’m very pleased with the job these young men did.”

Highlighting the 1985-1986 season for the Engineers was a season-opening win at Blackburn College that gave Mutchner the 300th coaching victory of his 23-year career at Rose-Hulman, and a victory over Anderson College in the championship game of the Rose-Hulman Invitational Tournament.

Sophomore center David Urbanek led Rose-Hulman in scoring (15.6 ppg), rebounding (7.9 rpg), blocked shots (37). He was third in assists (39) and fourth in steals (23).

Urbanek, who has a single-game high of 29 points against Earlham College, was named to the GTE district five All-Academic second team for the 1985-1986 season, and he was voted to the all-tournament team at the Chase Manhattan Bank/New York University Holiday Tournament.

“Dave emerged into a pretty good center,” Mutchner said. “He’s turned the corner in several ways and we look forward to two more good years from him.”

Other top performances for the season came from senior forward Tim Kropf and freshman guard Jeff Harrison.

Below: Sophomore Dave Urbanek shoots an easy layup from underneath
Wrestlers Have a Competitive Season

The Rose-Hulman wrestling squad was competitive in multi-team tournaments. Several NCAA Division III schools dropped their wrestling programs, forcing the RHIT team to compete against more Division I and II schools.

Wes Davis, a junior, sparked the team with a 22-7 record to earn the team's Most Valuable Wrestler award. Davis also had the most takedowns for the team with 28, while wrestling the 150-pound weight class spot. Jeff Stegman won the Best Freshman Wrestler award, as he competed in the 112-pound weight class.

Sophomore Matt Hunter placed fourth in the NCAA Regionals at the 158-pound weight class. Davis was injured during the regionals.

Gene Harding hanging tough

Wes Davis on the offense

Matt Hunter concentrates
Contrary to popular belief, Rose does have female representatives. These girls spend their free evenings and Saturday afternoons cheering on the men of Rose-Hulman. These girls are a welcomed addition to the Rose-Hulman athletic programs by providing a welcomed distraction from studies and sometimes even games that begin to drag.

Some of the routines include pyramid making, hyping the crowd, push-ups, and even a drum. During football season, the cheerleaders will do a push-up for each point that Rose has after each touchdown. Obviously, they cheer for victories, but not high-scoring ones. When attending a basketball game, don’t forget your earplugs or you’ll be sorry because mayhem, and extreme noise erupt from the gym welcoming the crusading engineers.

So next year after one of the games, walk up and tell a cheerleader how nice it is to have them as part of your school.

No it is not chaos, but a formation that requires extreme concentration.

Even though they're hot and tired, they can still manage a smile.

Rosie, the lucky man on campus.
Up, up, and away goes pole vaulter Ted Seaward.

Carl Troike clears the barrier in the steeple chase.

team picture pg. 79

<table>
<thead>
<tr>
<th>Varsity Track</th>
<th>Opponent</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rose</td>
<td>Vincennes</td>
<td>89.5</td>
</tr>
<tr>
<td>U.</td>
<td></td>
<td>59</td>
</tr>
<tr>
<td>Indiana Indoor</td>
<td>Little State</td>
<td>3rd out of 13</td>
</tr>
<tr>
<td>Anderson/</td>
<td>Franklin</td>
<td>104.6</td>
</tr>
<tr>
<td>121</td>
<td>Hanover</td>
<td>32</td>
</tr>
<tr>
<td>68</td>
<td>Wabash</td>
<td>85</td>
</tr>
<tr>
<td>Ecumenical Invitational</td>
<td>4th out of 11</td>
<td></td>
</tr>
<tr>
<td>Indiana Outdoor</td>
<td>Little State</td>
<td>5 out of 13</td>
</tr>
<tr>
<td>CAC meet</td>
<td></td>
<td>1st out of 6</td>
</tr>
</tbody>
</table>
Once again the Rose-Hulman track and field team proved to be a dominant power in NCAA division III and it captured its eighth consecutive College Athletic Conference championship.

The team also continues to be represented at the national level of competition with javelin throwers Chris Trapp, senior, and John Hanger, junior, earning trips to compete in the NCAA division III national meet. Trapp won his third straight national title. Sprinter Brian Cavagnini was named most valuable runner for the second straight season, accumulating more than 100 points during the season. He also was a co-recipient of the Ruel "Fox" Burns Blanket Award for senior athletic achievement. Weight man Greg

Left: National Champion Chris Trapp continues the Rose javelin tradition

Hoffman received the John A. Logan Award, presented to the senior athlete who achieves the highest grade point average while lettering four years. He competed in discus and shot put.

Javelin thrower Chris Trapp was named most valuable in field events. The 1986 season marked the last year for Bob Thompson as coach, who was scheduled to take a job with the West Point football program. Coach Thompson’s squads had a 66-8 dual meet record and eight straight conference titles during his 10 years with the Engineer track program. He coached six All-Americans in track and field, including one national champion.

Below: Randy Thomas strides out to leave his opponent in the dust

Greg Hiatt waits for the gun with anticipation while Coach Welch looks on
Netters Live up to Expectations

With four fine seniors and 6 of 7 returning lettermen, Rose's netters began the season with high expectations. They fulfilled these by finishing the season at 14-7, having more wins than any other Rose tennis team in history.

The season finale was a strong 3rd place finish in the College Athletic Conference Sports Festival. Rose battled Sewanee and Centre for first place on the last day of competition only to come up short. Coach Chuck Lindner was pleased with his team's overall performance, and pointed out that John Puckett and Chad Beesley, his top two players, will be back next year. The seniors who will be leaving include Mick Smythe, a consistent performer at #3 singles, Steve Patterson, #4 singles, and Barry Peterson, who had suffered a mid-season injury but recovered to finish second in the conference in the #5 singles position. Another senior, David Norman, rounded out the varsity squad at #6. Steve Patterson, who had the most wins for the season, received the Most Valuable Player Award.

Mark Crowder waits in anticipation while Evan Kokoska returns a serve

Steve Patterson cranks a serve

Number one singles player John Puckett backhands in a rally
Finishing with a Bang

Mark Bower battles his way out of a sand trap

Dennis Aldridge concentrates on his putting technique

The 1986 Rose Golf Team helped the school win the College Athletic Conference Big Bell trophy with a first-place finish in the CAC Spring Sports festival. It was the team's first CAC championship. Golfers Steve Mendoza and Dennis Aldridge finished strong at the end of the season with a second-place finish in individual conference play.

Throughout the year, the Engineer golfers finished in the middle of the pack in various tournaments, saving the best team effort for the important conference play. Ron Neumeyer served as team captain, and coaches this year were Randy Dickens and Scott Duncan.

Mike Van Stone posts the results of the day's round

73
As one looks back over the 1985-86 school year, several fond memories will come to mind. This is very true for the varsity baseball team because they acted out the athletic version of David and Goliath during an unusually hot, muggy March afternoon. It was little Rose-Hulman vs. giant, crosstown rival, nationally ranked Indiana State, in the annual Mayor's Cup game. Rose jumped out to an early 7 to 4 lead and held on to win 7 to 6. But that was only half the story. The real story was that starters Mark Mayfield, James Yoakum, Alan Snedeker, and some reserves had to leave in the middle of the game to go take an exam. Because of the student-first, athlete-second attitude, the New York Times and Sports Illustrated printed articles about Rose's unique, but correct, priority system. Overall, Rose was plagued by poor defense but used a team effort the season by winning 12 of their last 15 games and coming one pitch shy of winning the CAC conference title.

"Overall I was disappointed with our pitching and defense," stated coach James Rendel. "There were no outstanding individual performances this year instead, it was a 25-man team effort."
Scott Johnson prepares to get a good jump on the next pitch.

Freshman Scott Workman uses a sudden burst of speed to beat the throw to first.
TEAM PICTURES

1985 VARSITY FOOTBALL

First Row (l-r) — Gene Harding, Bob Nordyke, Steve Ward, Ed Sahli, Chip Ray, Brian Cavagnini, Phil Meiss, Vern VanNostran, Tom Hawk, Larry Greene, Dennis Wallen, Todd Griffith, 2nd Row (l-r) — Kurt Gobreski, Mike Kwiatkowski, Steve Hanagan, Dave Reinbold, Trent Bennett, Greg Ankney, Dan Hirt, Paul Romanetz, Jim Crumley, Gil Keller, Bill Sears, 3rd row (l-r) — Dave Suder, Jeff Sexton, Gary Martin, Grant Sharp, Greg Gondeck, Bruce Fenimore, Frank Primich, Tim Rauch, Scott Pfaff, Ken Hackman, John Collett, 4th row (l-r) — Rolf Alexis, Pat Thomas, Jerry Moore, Bruce Talbert, Rob Freeman, Bert Fuller, Mike Stercula, Kirk Dawson, Dennis Kelley, Doug Ankney, Brian Backus, Dan Lemons, 5th Row (l-r) — Paul Palmer, Rusty Rawlins, Paul Turpin, Greg Kremer, Chris Szaz, Greg Schmidt, Duane Braunecker, Bob Parker, Ken Pierce, Ray Pogliano, Chris Reuter, 6th Row (l-r) — Jeff Bannister, Rob Messmer, Kris Hebel, Mike Fisher, Blain Holder, Jay Binder, Curt Roupe, Kyle Schroeder, Adam Remaly, Mark Yoder, Kevin McAninch, 7th Row (l-r) — Tony Broadnax, Mike Lester, Mike Tresemer, Joe Lemanski, Keith Woodason, Jason Duff, Brian Miller, Joe Leslie, Todd Bectold, Eric Meeks, Top row (l-r) — Til Panaranto, Nick Guntz, Brack Benge, Tim Nale, Bob Clements, Dick Comer, Randy Dickens, Chuck Lindner, Pete Varda, Bob Thompson, Sam Hulbert.
Middle Row: Chris Churney, John Ortiz, Eric Dittenhafer, Paul Everline, Kevin Rolley, Steve Schwaiger, Andre Brousseau, Young Shin, Coach Jim Rendel
Back Row: Art Endrijaitis, Garrett Gelhausen, Scott Jarger, Al Rebholz, Mike Redomski, Adam Dixon, Chris Scheiman, Jeremy Steele

Front Row: Scott Orr, Dennis Dobbs, Ken Roberts, Mark Tebbe, Roger Hruskovich, Carl Czarnik, Keith Harriman, Ron Yuhas
Middle Row: Dave Humphrey, Dave Farris, Jerry Lyons, Scott Crockett, Marty Hendrix, Steve Mericle, Mark Cronjaeger, Todd Lozier
Back Row: Brian Lover, Kurt Kelso, Lee Beckham, Ken Ward, Greg Reese, Carl Troike, D.R. Foley, Eric Cameron
VARSITY BASKETBALL
Front Row (l-r)—Ricky Meyer, James Yoakum, Miles Fletcher, Kelly Land 2nd Row (l-r)—Ernie Hisle, Asst. Coach, Steve Meyer, Roger Hayden, Jeff Harrison, Tim Kropf, Sam Hulbert, President 3rd Row (l-r)—John Mutchner, Coach, Barry Peterson, Jeff Rea, Dave Urbanek, Bob Phillips, Doug Underwood, Mark Braun
VARITY TRACK

Front Row (l-r)—Floyd Yager, Karl Kleemier, Chris Zadlo, Ted Seaward, Kerry Sharp, Todd Lozier, Mike Lester, Ken Pierce, Mark Tuebe, Steve Mericle, Randy Thomas
2nd Row (l-r)—Coach Bob Thompson, Chris Goss, Lee Beckham, Brian Decker, Roger Hruskovich, D.R. Foley, Carl Troike, Kirt Kelso, Kenny Roberts, Chris Cook, Brian Cavagnini, Coach Welch
3rd Row (l-r)—Miles Flecher, Greg Hiatt, John Hanger, Chris Trapp, Bob Phillips, Ken Ward, Mike Garrison, Jerry Lyons
Front Row (l-r)—Jeff Marlett, Todd Hoevener, Mike Lindsey, Brent Cottrell, Bruce Fenimore, Andy Curosh, Dan Lemons. 2nd Row (l-r)—Aaron Murray, John Dowell, James Yoakum, Grant Sharp, Duane Evans, Dennis Kelly, Andy Burtner, Russ Olson. 3rd Row (l-r)—Dennis Wallen, Chip Ray, Scott Johnson, Mark Mayfield, Robert Fuller, Scott Workman, Alan Snedeker, Joe Witulski; Steve O’Keefe; Kent Agne Mgr. Not Pictured: Bruce Cluskey
Front Row: Mark Bower, Mike Van Stone, Dennis Aldridge, Ron Neumeyer, John Colburn
Back Row: Steve Spear, Steve Mendoza, Anthony Gillickson, Eric Jelvik, Greg Klem

Front Row: Chad Warren, Evan Kokoska, Kelvin Mason, Mark Crowder, Steve Patterson Back Row: Coach Chuck Lindner, Mick Smythe, John Puckett, Chad Beesely, David Norman, Mike Klink
LEFTOVERS . . .
MEATLOAF AGAIN

Above: The fastest growing organization on campus. Below: Chem E’s get a job! Nooo ...
LEFT: Rose Hulman's own Teen Angel
RIGHT: Feelings of Anti-Carebearism run high on campus.

Left: The students at Rose give this man (and every other faculty and staff member) his job, whatever that may be in Tom's case. Above: Quiet contemplation by Chuck Zukor, as a fern peacefully looks on . . . Right: Dan boogies with RD.

Above: The RA's room immediately becomes the floor lounge Right: Three Rose students stuck against the wall.
RD dances to the probability beat.

MH shouts for joy when he finds out he was elected president of the largest organization on campus.

Linda Black entertains

These men have won??

Who is Rose Hulman anyway???
Delta Sigma Phi

Coming Soon
GREEK

19

Lambda Chi Wins Again!
GAMES

But It
Was Closer
This Year

86
WANTED

Lester Valdez
alias
Chuck Howard

_______________
crossing state lines to enroll Rose students
Above: Lou Harmening, Registrar; Sue May, Administrative Assistant to Registrar, and Phyllis Phegley, Secretary to the Registrar.

Far above left: Ruthanne Bastian, Administrative Assistant to the Dean of Faculty. Middle left: Patty Dees, Assistant to the Dean of Faculty. Middle right: Dr. Jess Lucas, Vice-President of Student Affairs and Dean of Students. Below: Paul Steward, Director of Student Financial Aid. Left: seated, from left, Sue Storckman, Carolyn Kelly, Mary Anne Pierce. Standing, A.T. Roper, Bernie Timberman, Bruce Danner, Kevin Davidson, Larry Aldredge, Terry Nees (Computer Center Staff)
Far above left: Tom Mason, Vice-President for Administration and Finance. Above right: Tom Miller, Director of Residential Life. Above: Pete Gustafson, Associate Dean of Students and Assistant Director of Student Financial Aid. Right: Student Affairs Secretaries (L to R), Connie DeGroote, Kathy Gambill, and Ronda Ames.
Above left: Ron Reeves, V.P. for development and external affairs; Above (back row, l. to r) Connie Bell, Betty Dyer, Phyllis Proctor, and Glenn Heidenreich, and seated Billie Holechko, and Kelly Blevins, Business and Banking staff. Left: Jim Schwartz, Dir. of Alumni Affairs, Bill Sisson, Dir. of Placement; Jim Hammon, Asst. Dir. of Development. Below left: Joe Hargis, Asst. Dir. of College Relations; Dave Piker, Dir. of College Relations; and Bryan Taylor, Dir. of Publications. Below counterclockwise from top left: Donna Burns, Bettie Evinger, Sonnie Hill, Marcia Miller, and Janet Newman, Templeton Secretaries.
Left: (L to R) Brian Dyer, Asst. Dir. of Admissions; Tim Pricket, Assoc. Dir. of Admissions; Mike Hayes, Asst. Dir. of Admissions; and Charles Howard, Dean of Admissions. Below: Irene Mitchell, Asst. Dir. of Student Union; Donna Gustafson, Dir. of Student Union.

From left: Pam Hamilton, Susan Mills, and Nancy Helsper, Admission's admissions secretaries.

Above: Jan Brown, Controller. Left: Barbara Garvin, Staff Accountant and Annette Brainard, Personnel Coordinator.
Left: Sondra Nelson, Dir. of Circulation; John Robson, Dir. of the Library; and Margaret Ying, Admin. Asst. to the Library.

Below, from left: Pat Jefferies, Asst. Bookstore Manager and Anita Creasey, Bookstore Manager.

Far Left: Nurse Norma Peterson and Dr. Larry Lisman.

Above: Mark Farner, Food Service Manager; Collet Olson, Assoc. Manager, and Jim Herman, Asst. Manager. Left: Steve Miller, Manager of Administrative Services; Karen Pershing, Coordinator of Office Services; Paulette Irwin, Switchboard Operator and Receptionist; and Jack Bagley, Print Shop Technician. Below: Gary Flora, Director of Security.
NEW DORM—Rose has a new dormitory... Gone are the old ramshackle barracks... The new dormitory is appreciated most by those unfortunate souls who have been consigned to the barracks... The floors are even and the wind does not come through the cracks. Soft, new inspring mattresses replace the sagging pallets that in yesteryear made everyone get up with a backache... Laundry facilities in the basement have eliminated the traditional trips into town for clean clothes... When the men were moving in, one of the freshmen from the barracks was heard to say, "This looks like it might get to be even more comfortable than home." It will be as near to home as Rose can make it.—from the 1956 Modulus article about BS8

Rule of thumb: Anyone sitting in a senior seat will be hastily removed!—1965 Modulus

Dirty hands build a healthy freshman—1965 Modulus

...Many concerts are scheduled each year in and around Terre Haute (meaning within a radius of 500 miles), and a surprising number of Rose students religiously trek to each and every one, spending a fortune in gasoline, beer, pot, and pizza, not to mention the cost of the tickets themselves. Some students even manage to make a career to see as many as possible, often driving considerable distances the night before an important test, getting totally bombed and/or stoned, and just barely crawling into class the next day (if lucky)...—1976 Modulus

Deming 1 lounge

Mmm... Elmo's glue on cardboard topped with unknown droppings...

A room—nowadays

One of many long nights—1965 Modulus

A room—many years ago
Linda Black entertains the troops...

Styx entertains in the Shook Fieldhouse, 1974

"The years 1970-1974 have been years of great change for dear Old Rose. Classes were held in new Crapo Hall not long after the opening of school in the fall of 1970. Now a tremendous Library and Resources Center is nearing completion. The Waters Computing Center was an overcrowded hole in the wall in the Main Hall. Presently the computing center enjoys a fine new home in the basement of Crapo Hall. We have seen the INSTITUTE INKLINGS "upgraded" to the THORN. The Biological Engineering Department was blasting off in 1970 only to be disintegrated in 1974. Deming Hall has been converted from a once thriving dorm to the Rose-Hulman Hilton. Shook Memorial Fieldhouse used to be an indoor field with a portable wooden basketball floor. Now, it is a wall-to-wall Tartan wonder—with more spectacular additions forthcoming in the form of the Rec Center. The school's endowment was substantially increased and the Hulman name was justified added to the Institute's name."

— 1974 Modulus

Some Rose students really get wrapped up in their work...

"Cord day capers"—1965 Modulus

"Cord day capers"—1965 Modulus

Mark Whitmore entertains certain student at a not-really-nearby other school...

STUDENT "LIFE"?!
Oh no! I forgot to put the fabric softener in during the rinse cycle! —Another victim of the Thursday night laundry syndrome.
The new-generation Rose-Hulman student: never far from his (maybe someday her) personal computer.
Now for the MODULUS rock quiz: who is this man?

Reverse evolution experiments have taken their toll on Rose freshmen . . .

They say Rose guys are friendly, but this is ridiculous!

Local game room hustlers
potpourri

(po poo ree) n. 1. A combination of various incongruous elements. 2. This page.

What does this have to do with Student “Life”?!
The Fine Arts at Rose.

Hmmm ... But can it play Dungeons and Dragons?

Dear Mom, This is my first XyWrite document.

An apple a day ...
Frig: Obviously not an M.E.'s.

Oh, oh, oh, What a feeling! Rose-Hulman.

The line to ARA's 'Oriental night' is at best a ...

The snow can get pretty deep at Rose-Hulman.
Due to restricted housing this year, some freshmen had to take up residency in their local bathroom.

**Bathroom Shots**

The long awaited for and promised Rose-Hulman swimming pool.
Trey Hein relaxes in the Deming Memorial jacuzzi.

WARNING!! This man cuts hair without a license, want proof, just look at Kowalski's hair!
LORDY LORDY
AIN'T IT NIFTY
TODAY'S THE DAY
THE PREZ. IS 50
SENIORS

Michael E. Bates
Chemical Engineering / Tech.
Trans. (German)
Lafayette, IN
Debate Club-President, Glee Club, SAB,
College Republicans, RCF, AIChE
Phi Gamma Delta

C. Leon Beckham, III
Electrical Engineering / Tech.
Trans. (German)
Shaw, MS
RCF, Fellowship of Christian Athletes, German Club, Thorntone
Features Editor, IEEE, Eta Kappa Nu, Pi Mu Epsilon, Tau Beta Pi
Cross Country, Track

Eric Aldridge
Mechanical Engineering
Shelbyville, IN

Bryan S. Andrews
Mathematics
Crothersville, IN
RCF, Chess Club, Band

Mark Bailey
Electrical Engineering
Edmonds, WA

Christopher Beckman
Mechanical Engineering
Jasper, IN

Kenneth C. Bergman
Computer Science
Wabash, IN
Flying Club-President, Vice-President, Glee Club, Pep Band, First Jazz Band, IEEE, ACM,
Arnold Air Society

Kevin Andrew Blecher
Electrical Engineering / Computer Science
Louisville, KY
IEEE-Treasurer, Thorn, Astronomy Club
Alpha Phi Omega

Timothy A. Ayers
Chemistry
New Albany, IN

Von Lee Baum
Mechanical Engineering
Terre Haute, IN
ASME
Cross Country
Frederick Blessinger
Mechanical Engineering
Jasper, IN

Duane Buening
Mechanical Engineering
Greensburg, IN
SGA, ASME, Pi Tau Sigma, Tau Beta Pi, Pi Mu Epsilon

Ronald Bowman
Electrical Engineering
Indianapolis, IN

Kirk K. Caraway
Chemical Engineering
Robinson, IL
AIChE, WMHD, Alpha Phi Omega, Circle-K, Astronomy Club

Chad Brown
Computer Science
Terre Haute, IN
ACM-President, Upsilon Pi Epsilon-Secretary-Treasurer, Pi Mu Epsilon

Mark Weslin Brinegar
Electrical Engineering
Bloomington, IN
Tau Beta Pi-Recording Secretary, Eta Kappa Nu, Flying Club, Astronomy Club

Walter Burns
Mechanical Engineering
Lawrence, IN
ASME Communications Committee, ASME Rose Show Committee

Brian Chaille
Civil Engineering
North Vernon, IN
ASCE, RCF-Small Group Coordinator, Football, Track

Randy S. Cape
Mechanical Engineering
Westminster, MN
ASME, IFC Triangle-President, Rush Chairman, Pledge Class President

John Byerly
Electrical Engineering
Hagerstown, IN
Pep Band
David D. Coldren
Electrical Engineering
Wabasso, IN

Eric Christenson
Cincinnati, OH
Electrical Engineering/Computer Science

William Childress
Chemical Engineering
Lowell, IN
AIChe, RCF

Craig William Coder
Chemical Engineering/ Tech. Trans. (German)
Great Falls, MT
Glee Club, Quarterly Editor, SAB, ACS, German Club, Drama Club, AIChe, Tau Beta Pi, Junior Year Abroad Program

Anthony Cooperider
Electrical Engineering
Clay City, IN

Michael T. Coppens
Electrical Engineering
North Liberty, IN

Glee Club, Quarterly (Editor), SAB, ACS, German Club, Drama Club, AIChe, Tau Beta Pi, Junior Year Abroad Program

Richard Correll
Chemical Engineering
Mishawaka, IN
ACS - President, AIChe - Vice-President, Tau Beta Pi, Alpha Chi Sigma Soccer

John Christos
Mechanical Engineering
Crown Point, IN
Rose Hulman Racing Association - Secretary - Treasurer, Society of Automotive Engineers - Secretary - Treasurer, President, ASME - Treasurer, Pi Tau Sigma

Mark A. Conrad
Electrical Engineering/Computer Science
Cincinnati, OH

Bruce D. Pesch
Chemical Engineering
Carlisle, IN
ACS, AIChe, Tau Beta Pi
William A. Cox, Jr.
Electrical Engineering
Oakland City, IN

Larry R. Cramer
Mechanical Engineering/
Tech. Trans. (Russian)
Greensburg, IN
Drama Club, Flying
Club, Tau Beta Pi, Pi Tau
Sigma, Pi Mu Epsilon,
Russian Club

Darrin Davidson
Mechanical Engineering
Greenwood, IN
SGA-Treasurer, Quality
of Education Commit-
tee, Junior Class Presi-
dent, ASME

Mark A. Crampton
Computer Science
Wabash, IN
IEEE, Thorn, RHA
Baseball, Wrestling

Scott Crockett
Electrical Engineering
Bloomington, IN

Roger Allen Davidson
Electrical Engineering/
Computer Science
Edina, MO
IEEE, (president), Tau Beta Pi-
President, Blue Key-Vice-Presi-
dent, Pi Mu Epsilon, Eta Kappa
Nu, Union of Baptist Students,
Heminway Bronze Medal,
Norman Carson Award for the
outstanding Electrical Engineer-
ing Student in the Nation

Darrin Davidson
Mechanical Engineering
Greenwood, IN

Steve Davidson
Mechanical Engineering
Knightstown, IN
Phi Gamma Delta

Stanley M. DeHoff
Mathematics/Computer
Science
Portland, IN
Drama Club-Vice-Presi-
dent, WMHD

Richard Drake
Computer Science
Memphis, IN
ACM, Pi Mu Epsilon,
Upsilon Pi Epsilon

Paul A. Drago
Electrical Engineering
Kokomo, IN
IEEE

Class of '86
Larry Epley  
Electrical Engineering  
Frankfort, KY

David Duffield  
Electrical Engineering/Computer Science/Mathematics  
Sunnyvale, CA

Michael Fouch  
Electrical Engineering/Tech. Translation (Russian)  
Zionsville, IN

Michael Engle  
Chemical Engineering  
New Albany, IN

Todd Duckworth  
Chemical Engineering  
Mt. Vernon, IN

Michael Fouch  
Electrical Engineering/Translation (Russian)  
Zionsville, IN

IEEE, Student Development Council, Karate Club

Karl Foss  
Electrical Engineering/Computer Science  
Kansas City, KS

John Ellis  
Chemical Engineering  
West Lebanon, IN

Michael Engle  
Chemical Engineering  
New Albany, IN

IEEE, Drama Club, SAE Delta Sigma Phi

David W. Evans  
Electrical Engineering  
Goshen, IN

IEEE, Tau Beta Pi, Pi Mu Epsilon, Eta Kappa Nu, Rose Christian Fellowship, Rose Tech Radio Club, Physics Club, Astronomy Club

Karl Foss  
Electrical Engineering/Computer Science  
Kansas City, KS

Harry Fuerhaupter  
Chemical Engineering/Tech. Trans. (German)  
Highland, IN

German Club, AICHE, Thorn, Tae-Kwon Do Club
Bryan S. Gatewood
Electrical Engineering
Westport, IN
IEEE, Pi Mu Epsilon, Rose Christian Fellowship, SGA, Senior Class Treasurer, Student Manager of Campus Security, Student-Faculty Bowling League

Duane Green
Electrical Engineering
Boonville, IN

Michael Griesenbrock
Electrical Engineering
Grove City, OH

John Guy
Electrical Engineering
Loogootee, IN

Richard D. Hackman
Electrical Engineering
Brownstown, IN

Edward C. Guilford, Jr.
Mechanical Engineering
Floyd Knobs, IN

Harold Hamilton
Electrical Engineering
Cincinnati, OH
Rose Drama Club

Steven Ghera
Chemical Engineering
Mt. Prospect, IL
Thorn, Bike Club, AICHE, Pop/Jazz Band, RHA coed activities chairman, Blue Key, Alpha Chi Sigma, Tau Beta Pi.

Chris A. Granat
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Stephen Gunn
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Glee Club, SGA, ASME

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Floyd Knobs, IN

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Electrical Engineering
Cincinnati, OH
Rose Drama Club

Class of '86
Charles Hastings  
Mathematics/Computer Science  
Feeding Hills, MA

Gene L. Harding  
Electrical Engineering/Computer Science  
LaGrange, KY  
ACM, Racing Club, AFROTC, Varsity Football, Varsity Wrestling

William Hollen  
Mechanical Engineering  
Terre Haute, IN  
Football

Douglas Hanson  
Computer Science  
Carmel, IN  
Glee Club, Drama Club, Radio WMHD, ACM

Brian Harvie  
Mechanical Engineering  
Milwaukee, WI

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Electrical Engineering/  
Tech. Trans. (German)  
Jasper, IN  
IEEE, Tau Beta Pi, Eta Kappa Nu, German Club, SGA, WMHD, Rose Republicans, Track

William Henry  
Computer Science  
Jamestown, IN  
Glee Club—Secretary—Treasurer, ACM, Pep Band, Jazz Band

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Chemical Engineering  
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Mathematics/Computer Science  
Tech. Trans. (German)  
Pi Mu Epsilon, Upsilon Pi Epsilon, German Club

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Chemical Engineering  
Peru, IN
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Chemical Engineering  
Norwalk, OH

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Terre Haute, IN  
Racing Club, Chess Club, SAB, Bonfire Committee

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Mathematical Economics  
Medora, IN

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IEEE, ACM, Pi Mu Epsilon, Upsilon Pi Epsilon

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ACM, IEEE, UPE

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Math

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Thorn Editor, Rose Glee Club, RHA Representative AICHE, IM Softball

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Cincinnati, OH

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Chemical Engineering  
Perkasie, PA  
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Eta Kappa Nu, IEEE,
WMHD

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Hillsboro, NH

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Mechanical Engineering
Tryon, NC
German Club
Phi Gamma Delta

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Electrical Engineering
Terre Haute, IN

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Piero Madar
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Mishawaka, IN
WMHD, Pep Band, Flying Club-Secretary

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Greensburg, IN

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RCF, Rose Tech Radio Club, IEEE

Scott Raymond McNown
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IEEE, Pi Mu Epsilon

Steven James Maier
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Pi Tau Sigma, ASME, SAE, Rose Racing Club, Rose Bicycle Club, Flying Club

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Electrical Engineering
Speedway, IN
Band, Flying Club

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Rose Rifles-Secretary-Treasurer Alpha Phi Omega-Recording Secretary

Robert L. Mattingly
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Modulus

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Thorn-Business Manager, AIChE, Omega Chi Epsilon, Upsilon Pi Upsilon, SGA

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Troy, IL

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ASME, Pi Tau Sigma

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Wrestling
Phi Gamma Delta

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Mechanical Engineering
Shelbyville, IN
Pi Tau Sigma, Flying Club, ASME, Modulus, Rifle Club

Jonathan P. Nickell
Mechanical Engineering
Muncie, IN
Circle-K - Secretary and twice District Treasurer, Drama Club, Glee Club, Racing Club, SAE, ASME

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German Club

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Glee Club, WMHD, Pittsburgh, PA

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Blooming Glen, PA

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Plymouth, IN

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Chemical Engineering
St. John, IN
Drama Club

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Electrical Engineering
Hammond, IN

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Electrical Engineering
Hammond, IN

Lon Petts
Chemical Engineering
Vincennes, IN
Rose-Hulman Jaycees-president, AIChE

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Blue Key-President, Broadcasting Club, Admissions Advisory Board, Pep Band, BAACHUS
Phi Gamma Delta-Recording Secretary

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David Price
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Pendleton, IN

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Computer Science
Titusville, PA

Class of '86
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Chemical Engineering  
SGA, AIChE, ACS, Alpha Chi Sigma  
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Preston Robinson  
Electrical Engineering  
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IEEE, RHA, SGA Wrestling

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Rose-Hulman Racing Association, IAA

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Bill R. Riggs  
Mechanical Engineering  
Terre Haute, IN  
ASME

Harold T. Ray, IV  
Civil Engineering  
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Tariq Rashdi  
Civil Engineering  
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ASCE, Circle-K

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Chemical Engineering  
Thorntown, IN  
Senior Class VP, President of sophomore class, SGA – Secretary, VP, Blue Key, AIChE, Chauncey Rose Scholar

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Chemical Engineering  
Terre Haute, IN  
Phi Gamma Delta

Scott Ross  
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West Terre Haute, IN  
ASME, SAE Football
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Chemistry
Bloomingdale, IN

Penn State
Chemical Engi-
neering

Kirk Shirar
Chemical Engineering
Vermilion, IL

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Berne, IN
Glee Club, IEEE, Eta Kappa Nu

Daniel B. Smith
Chemical Engineering
New Castle, IN

David Andrew Spears
Chemistry/Chemical Engineering
Indianapolis, IN
RCF, Blue Key, Pi Mu Epsilon, AIChE, ACS Delta Sigma Phi

Jim Short
Electrical Engineering
Wapakoneta, OH

Charles D. Smith
Civil Engineering
Indianapolis, IN
Circle-K—President, SAB, SGA, ASCE, Blue Key, Tau Beta Pi, Pi Mu Epsilon, WMHD

Andrew R. Spartz
Chemistry/Computer Science
Sandstone, MN

Michael Steele
Chemical Engineering
Bloomington, IN

Owen Strawn
Mechanical Engineering
Janesville, WI
Drama Club, Pi Mu Epsilon, Band, Pi Tau Sigma, WMHD, Flying Club, ASME
Kevin Stroud  
Computer Science  
Orleans, IN  
IEEE, ACM, Tae Kwon Do Club, Thorn

A. Philip Suter  
Mechanical Engineering  
Terre Haute, IN  
Tau Beta Pi, Pi Tau Sigma—Correspondence Secretary, Pi Mu Epsilon, SAE, ASME, Rose-Hulman Racing Club, Sports Car Club of America

Bill Suter  
Mechanical Engineering  
Terre Haute, IN  
Rose-Hulman Racing Club, Sports Car Club of America, SAE, ASME, Pi Tau Sigma—Correspondence Secretary, Tau Beta Pi, Pi Mu Epsilon

Kent Sutiers  
Electrical Engineering  
Covington, IN  
IEEE, Senior Class Secretary

Michael Sullivan  
Electrical Engineering  
Norwood, MA  
Army ROTC, SAB, Thorn, Lambda Chi Alpha

Steven D. Swanson  
Civil Engineering  
Janesville, WI

John V. Thaler, Jr.  
Electrical Engineering  
Easton, PA  
SAB—Chairman, Circle-K, Tau Beta Pi—Treasurer, Eta Kappa Nu, Blue Key, Pi Mu Epsilon, Resident Assistant

Russell C. Tharp  
Mechanical Engineering  
Columbus, IN  
ASME, SAE, Pi Tau Sigma

Scott Thrasher  
Mechanical Engineering  
South Bend, IN

Class of '86
John Vierow  
Chemical Engineering  
Annandale, NJ

Ronald E. Webb  
Civil Engineering  
New Berlin, WI  
ASCE—President, Treasurer, Basketball

Michael Walsh  
Chemistry  
Lafayette, IN

Vern C. Van Nostrand, Jr.  
Electrical Engineering  
Solon, OH, IEEE, Football  
Sigma Nu—House Mgr., Grad Relations Chrm.

Thomas Vorjahan  
Chemical Engineering  
Madiera, OH  
Alpha Chi Sigma—Treasurer, AICHE, Theta Phi Omega—Historian

Patrick Paul Wildemann  
Mechanical Engineering  
Evansville, IN  
SAE, ASME, Tau Beta Pi, Pi Tau Sigma, Rose-Hulman Racing Association, Blue Key, Phi Gamma Delta—House Mgr.

Robert L. Wilkins  
Chemical Engineering  
Muncie, IN  
SAB, RHA, Class Vice-President, SGA, IFC, AICHE, Lambda Chi Alpha—Pres.

Robert J. Tubbs  
Chemistry  
Bismark, ND  
Army ROTC, Rangers

Todd Troutman  
Electrical Engineering  
Lykens, PA

Thomas Tretter  
Electrical Engineering/  
Tech. Trans. (German)  
Ferdinand, IN  
Eta Kappa Nu—President,  
Tau Beta Pi—Corresponding Secretary, Pi Mu Epsilon, IEEE, German Club
William Willoughby, Jr.
Electrical Engineering
Beech Grove, IN
SGA, WMHD, Sports Broadcaster, Lambda Chi Alpha-Secretary

John D. Wolf
Mathematical Economics/Computer Science
Chattanooga, IN
RCF, Upsilon Pi Upsilon-Vice Chairman, Pi Mu Epsilon

Kevin Wolfe
Chemistry
Terre Haute, IN

Robert Wright
Mechanical Engineering
Royal Oak, MI
Glee Club, Resident Assistant, ASME, Modulus, WMHD Soccer

Scott C. Wright
Chemical Engineering
Cross Plains, WI
AIChE, WMHD, IFC, Lambda Chi Alpha-Rush Chairman

Andrew H. Wurtz
Electrical Engineering
Madison, IN
WMHD, Chess Club

Dennis Worthington
Chemical Engineering
Amanda, OH
Pep Band, Omega Chi Epsilon, AIChE

Stephen F. Zeglin
Chemical Engineering
Malvern, PA
Thorn, WMHD

Charles Zukor
Chemical Engineering
Melbourne, FL
German Club, WMHD, AIChE, Modulus-Section Editor, Photography Editor

David W. Zabel
Electrical Engineering
Lanesville, IN
IEEE, RCF, College Republicans, Tennis, Phi Gamma Delta-Rush Chairman

Brian Zweig
Chemical Engineering
Naperville, IL
AIChE
Cross Country

Class of '80
NOT PICTURED:

Glen Van Alkemade
Civil Engineering
WMHD
Theta Xi-Treasurer, Secretary

Andrew Bolda
Chemical Engineering
Chess Club-VP, Karate Club, Tau Beta Pi, Omega Chi Epsilon

Bill Bradford*
Electrical Engineering
Thorn, SGA-Business Manager, ASC
Alpha Tau Omega-President

Andrew Burtner*
Chemical Engineering
Baseball
Alpha Tau Omega

Andrew Curosh
Mechanical Engineering
ASME
Baseball, Basketball

Adam Dixon
Electrical Engineering
Eta Kappa Nu
Soccer
Delta Sigma Phi-VP

Stephen Gress*
Electrical Engineering
IEEE, WMHD
Alpha Tau Omega-VP

Dirk Hall*
Physics
Football, Rifle Team
Alpha Tau Omega

Gordon Hathaway
Electrical Engineering
Soccer

Thomas Hawk*
Chemical Engineering
Tau Beta Pi, AIChE
Football Alpha Tau Omega
Resident Assistant

Michael E. Hensley
Mechanical Engineering
ASME, Racing Club, SAE

Rodney S. Herbert
Electrical Engineering
IEEE, SGA, Pi Mu Epsilon, Lambda Chi Alpha

Timothy Meckstroth
Mechanical Engineering
ASME, Pi Tau Sigma, Tau Beta Pi

Bob Nordyke
Mechanical Engineering
ASME, Pi Tau Sigma, Tau Beta Pi

Mark Nordmeyer
Mechanical Engineering
SAE, ASME, Racing Club, Drama Club

Ron Neumeyer
Mechanical Engineering
WMHD, Jazz Band, Flying Club, SGA,

*Late photograph found on page 145

Fred Blessinger
Mechanical Engineering
ASME-Secretary, Pi Tau Sigma, SGA-Historian
Delta Sigma Phi-House Manager

Karl Kleemeier*
Chemical Engineering
AIChE, IFC
Track
Alpha Tau Omega

Todd Lozier
Mechanical Engineering
Photography Club, Alpha Tau Omega
Cross Country, Track

Sean Maher*
Mechanical Engineering
ASME, RHA-Treasurer, SAB, Junior Class Secretary, SGA-President
Alpha Phi Omega
Delta Sigma Phi
Resident Assistant

Edward A. Sahli
Chemical Engineering
AIChE
Football
Sigma Nu

Kenneth R. Schnabel
Mechanical Engineering
Pi Tau Sigma, Tau Beta Pi, Pi Mu Epsilon, Blue Key, Glee Club-President, Racing Club, ASME

Dale Schnarr*
Electrical Engineering
SGA-Historian, Blue Key
Alpha Tau Omega

Tim Shoemaker
Computer Science
IEEE

James Skinner
Mechanical Engineering
SGA, WMHD, Pi Tau Sigma
DeltaSigma Phi

Charles William Suter
Mechanical Engineering
ASME, SAE, Pi Tau Sigma-Recording Secretary, Racing Club, Pi Mu Epsilon

Grant Walmuth
Chemical Engineering
AIChE, Biking Club, Flying Club
Golf

Kenneth Ward
Mechanical Engineering
ASME, Pi Tau Sigma
Cross Country, Track
Delta Sigma Phi

Dale Wedel
Electrical Engineering/Computer Science
Karate Club, Tau Beta Pi

Dick Wiegel
Civil Engineering
ASCE-VP
Lambda Chi Alpha-Social Chairman
Note: Due to a misunderstanding with the photographer, the following seniors could not have their pictures in the senior section. Since the MODULUS believes that they would appreciate being in the yearbook, as a favor to them we have placed their pictures on this page.

William R. Bradford
Robb J. Bumb
Andrew W. Burtner
Scott R. Crockett

Timothy S. Curtis
Stephen P. Gress
Dirk A. Hall
Thomas A. Hawk

Stanley K. Hayes
Karl R. Kleemeier
Richard N. Krahling
Jeffery S. Reynolds

David B. Rich
Dale F. Schnarr
Robert J. Stone
Christopher A. Trapp

Sean Maher
Scott T. Wigand
CLASS OF '88

David Foley
Michael R. Garretson
Timothy F. Gazda
Dan Goebel
Kevin Goy

Jeffrey Gresham
Nick Guntz

Rick Hall
Jeff Harms
Bryan Heim
Todd Hoevener
Thomas R. Hough

Jeffrey Janik
Scott Johnson
John Jones
Michael P. King
Kirk Klientz

Roger Klump
Thomas Kowalski

David Land
Mark Leonard
Thomas Levendoski
Joel Limmer
Kevin D. Lockwood
Kenneth Roth
Greg Schmidt
Clifton Shillcutt
Young Shin
Robert Shotwell

Todd Shultz
Steven Slaughter
Tommy Smith
Robert Spitznagel

Kelly Stephens
John Stewart
Casey Strange
Thomas Stuart

Allen Stucker
Eric Swift
Michael Switzer
Mark Taylor

David Thomas
Barry Tice
Robert Tiller
Phil Titzer
Eric Stephen Turpin

Ray Vancil
Paul Walker II
Cary Weldy
Peter Wierzchon
FRESHMEN

Christopher Abdnour
Kent Aghe
Brian Alano
Jeffrey Allred
Eric Baenen
Scott Balter
John Becker III

Bryan E. Bell
Kevin Benham

Robert Benning
John Berry

Scott Bilik
Andy Blahnt
Kenneth Bloss Jr.
Kevin Bogard
Thomas Bolyen
Stacey Bowling
John Breitenbach

Timothy Brewer
C. Scott Brown

Glen Brown
Matthew H. Brown

Steve Buescher
Eric Cameron
Tony Cantrell
Lee Carlson
David Childress
Paul Chroniak
Chris Churney
GRADUATE STUDENTS

Jose Barbosa
Hometown: Salvador (Brazil)
Major: Mechanical Engineering

Chen Baoding
Hometown: People's Republic of China
Major: Mechanical Engineering

Martin Diener
Hometown: Holzgtingen (Federal Republic of Germany)
Major: Mechanical Engineering

Claus R. Fischer
Stuttgart (Federal Republic of Germany)
Major: Mechanical Engineering

Lin Hong-Ru
Taiwan, R.O.C.
Major: Chemical Engineering

Jamshid Nazari
Hometown: Mianch (Iran)
Major: Electrical Engineering

Gregory J. Sharp
Hometown: Astoria, OR
Major: Physics (Applied Optics)

John Todorovic
Hometown: College Station, TX
Major: Chemical Engineering

Ingrid Kraiser
Stuttgart (Federal Republic of Germany)
Major: Mechanical Engineering
And now the story needs an ending. What ever happened to the Modulus if indeed it was revived in the year 1974? Well, some say that it died out after the centennial year due to lack of student interest. Others say that it limped along on crippled funds for a few years and then had to be mercifully put away. This is the general consensus. Yet a few old-timers still hold to the notion that the Modulus, after its downfall in 1968, was revived during the centennial year and lived on to become a legendary publication in the second century of Rose-Hulman.

—Larry Gatewood, Editor, 1974

None of you who have this yearbook know how much it costs. Certainly the SGA spent some of your activity dues on this book (about $1.50 per student). But the monetary cost is not important. It took about 3000 man hours to put this book together. The book is published as a service to YOU, the Rose-Hulman community. Yet it is easy to question the value of performing a service for students when only 15 out of 1300 are interested in helping perform the service.

As editor, I cannot thank the following people enough:

C.J. Zukor, our award-winning photographer editor
C. Scott Brown, Sports Editor
Bob Wright, Copy Editor
Tony Kleponis, layout & copy
Art Endrijaitis, cover design
Chris Thomas, layout
Roger Klump, layout

The following people also helped out: Shawn Huffman, Ann Roening, Mike Dobranski, Joe Wright, and Mike Roberts. A very special thanks goes to our adviser, Bryan Taylor, whose enthusiasm and support helped us through every phase of completing the yearbook.

On these pages we have recorded verbally and pictorially the student life at Rose-Hulman. The truth is that socially, there is not much life at all. Apathy is the largest organization on campus. Ever since the student body has been expanded, the school spirit has contracted. In 1985-1986 it was once again a monumental task for a handful (maybe 50) freshmen to build the bonfire and reconstruct Rosie, tasks which belong to the entire 350+ members of the freshman class. Although the tradition of decorating the tree in front of Deming at Christmas time has been revived, the sheer size of the tree requires equipment which allows only 5 or 6 freshmen to participate at a time.

If students are not building bonfires or writing yearbooks, they have no trouble occupying their time. The GPA pressure is extremely high in 1986, seeing that at best 70% of the senior class has been placed as of May 20. This has led to some mega-dweebs studying all the time, and has made the average student think twice about making any commitments which might take away from study time (or party time or D&D time or science fiction reading time or intramural basketball time or ...)

Whatever the reason, the truth is that presently there is little participation in student organizations on campus. Many exist, and many have mailing lists, but not a lot is accomplished.

1986 was the year without a winter, the year Rose beat ISU in baseball, the year that Lambda Chi almost did not win Greek Games, the year Dr. Moench retired, the year that many seniors went to a commencement which only commenced their unemployment, and the year the story that Larry Gatewood started in 1974 was given the ending he wanted. THE MODULUS IS BACK!!!

—Tom Kowalski, Editor

Statement: The 1986 Modulus has been completed on schedule. This is the second occurrence of an on-time yearbook in almost 20 years. Some of ya'll have asked the question "Why do we continue the printing of the yearbook?", but that is a paradoxical question. If we were to cease the publication of the Modulus, strong voices clinging to tradition would ring out, but as soon as work is needed to be done, it falls upon deaf ears. That is why those students who worked on the Modulus staff this year cannot be praised enough. They actually went against the grain by being active members in an ailing organization. By the end of the school year our organization was strong, dedicated, and even socially oriented. Through these actions the Modulus has finally gotten some positive feedback. We all hope ya'll enjoy the contents of this year's book.

If you don't then join the staff next year and put your two cents worth in. As Tom has calculated, many hours went into this book, but it wasn't all drudgery. An old tradition was brought back to the new Modulus staff — socializing within an organization. We had weekly treks downtown to the Italian Bakery for some good cheap food and to blow off some steam from a week at Rose. This year's staff was strong due to it not being run by one "click" or "frat." As seen in our group shot (ORGs-section) we were a very diverse group ... The few, the proud, the MODULUS!

Chuck Zukor, photo editor

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