1979 Modulus

Rose-Hulman Institute of Technology

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In the fall of 1976, a Commission to prepare an in-depth self-study of the Institute was organized. Various Commission members were elected or appointed to represent the faculty, student body, administration, alumni and the Board of Managers. The general charge to the Commission was to prepare a blueprint for the President of the Institute, outlining the path to be followed by the Institute during the next decade.

After a year of study, the Commission submitted a report entitled, "To the Beat of a Different Drummer." For more than one hundred years the overriding concern of Rose-Hulman Institute of Technology (for the first ninety-four years, Rose Polytechnic Institute) has remained excellence in undergraduate education in engineering and science. The Institute's primary mission has been to prepare young men for service to society through direct and immediate employment by industry or government upon completion of the Bachelor of Science Degree. Truly, in comparison with the majority of her sister institutions, Rose-Hulman has followed a unique path and has, in the words of Henry David Thoreau, "marched to the beat of a different drummer."

In February 1978, the Board of Managers formally adopted the Self-Study Report as a general guideline for the operation of the Institute during the next decade. The Institute will continue to march to the beat of a different drummer. Rose-Hulman Institute of Technology has many assets --- it has a great heritage, it is a very unique institution, Rose-Hulman Institute of Technology is a school with a mission, the Institute knows where it has been and knows where it is going.

Rose-Hulman's educational philosophy is a major strength. The Institute has always had a sound fiscal policy. The school has a beautiful setting for a college campus. By far the greatest asset of the Institute is its people. It has a dedicated Board of Managers, loyal alumni, outstanding staff, one of the finest student bodies in the country, and a faculty that has been selected for their ability for and commitment to teaching. Rose-Hulman Institute of Technology has an excellent chance to become the model educational institution for undergraduate engineering education.

The only limiting factors are in the areas of facilities and equipment. The Self-Study Report outlines the need for an additional classroom-laboratory building, auditorium, Chapel, swimming pool, dormitory, new power plant, expanded parking and updated road system.

On January 1, 1978 the Institute contracted for the services of the architectural firm of Vickrey/Ovresat/Awsumb, Incorporated to prepare a master plan for the Institute which will include the aforementioned new facilities. The master plan that follows is a blueprint for excellence and with implementation of the master plan, Rose-Hulman Institute of Technology will become the model institution for undergraduate engineering education.

Samuel F. Hulbert
President
Why should we be in such desperate haste to succeed, and in such desperate enterprises? If a man does not keep pace with his companions, perhaps it is because he hears a different drummer. Let him step to the music which he hears, however measured or far away . . .

Henry David Thoreau, Walden
"The Best Freshman Class Ever!?"

Orientation meant an ice cream social for freshmen and an opportunity to chat with faculty.
"Yessiree, that's the biggest and best one I've ever seen!"

But this year's class had help, as Lost Creek brought several ties in from somewhere upstream.
Miss Maureen Crandall, 1978 Homecoming queen
Homecoming '78

We didn't keep pace with the rest of the world during the past year—you might say we set the pace. Rose was the site of new plans, change, and accomplishment. What better example of accomplishment is there than Homecoming weekend? A record-sized bonfire, a queen later chosen to represent the entire state of Indiana, an awesome football victory, and first-class entertainment with Harry Chapin all contributed to make Homecoming '78 a memorable event and a proper "christening" of the '78-'79 school year.

Harry Chapin soothed the audience with story and song.
... I learned this, at least, by my experiment; that if one advances confidently in the direction of his dreams, and endeavors to live the life which he has imagined, he will meet with a success unexpected in common hours. He will put some things behind, will pass an invisible boundary; new, universal, and more liberal laws will begin to establish themselves around and within him; or the old laws will be expanded, and interpreted in his favor in a more liberal sense, and he will live with the license of a higher order of beings. In proportion as he simplifies his life, the laws of the universe will appear less complex, and the solitude will not be solitude, nor poverty poverty, nor weakness weakness. If you have built castles in the air, your work need not be lost; that is where they should be. Now put foundations under them...

Thoreau, Walden
Some of the highest paid graduating seniors here at Rose-Hulman come from the chemical engineering department. That helps explain why it is competing with mechanical engineering as Rose's largest discipline of study. But that's not to say that the life of a Chem E is an easy one. The virtual plethora of Freshmen Chem E's compared to the somewhat less than a multitude of graduates attests to its challenge. Anywhere you find a chemical change taking place in a manufacturing process, chances are you will find a chemical engineer. The industries range from A to Z. You are likely to find a Chem E in the petroleum, plastics, pulp and paper, photographic, baby buggy bumper (rubber) and bubbling brewing (fermentation) industries, just to name the "P's" and "B's." You will also find some Chem E's in R & D, better known as rest and degeneracy or research and development. Chem E's also find themselves in management, production, service and sales positions.
Although every freshman is required to take one or two required courses in chemistry, only the chemical engineers and the more ambitious environmental engineering students have even the foggiest idea the depth and breadth of the chemistry field which is covered by the chemistry major. And just as the freshman requirement only "scratches the surface," most who graduate in this discipline will be required to continue in graduate work if they are to pursue chemistry as a career.

There are twice as many faculty as there are graduates in any given year and a quick glance at the commencement program indicates all four "survivors" in 1979 were honors graduates. The class was headed by Dale Campau, summa cum laude and winner of the Royse Award as the outstanding senior.

Bruce D. Allison  Glenn Baca  Benjamin S. Benjaminov
Frank A. Guthrie  R. Dean Hill  Gayle N. King
Dennis A. Lewis  Theodore K. Sakano  Conrad F. Shiba
Civil Engineering

Mention the term “civil engineering” and most think of a bridge. Yet, try to recall the last time you saw a bridge under construction. The oldest of the engineering disciplines usually graduates between 18 and 25 majors at Rose-Hulman, with graduates going into a wide variety of jobs with the public sector, construction, industry and health and environment-related positions.

The three basic options available at Rose-Hulman are concentrations in architectural-construction, environmental-water resources and structural engineering. Of course, at the center of this specialty is people.

Civils at Rose-Hulman appear to be the more muscular and earthy individuals while on campus, but those in the alumni office say it is amazing how polished they become after a few years in their own design-construction or consulting firms. Consulting engineering also is an elective overload which is well worth being considered by the young civil engineer.

Civil engineering's visibility on campus includes the annual “bridge busting” competition, the not-too-demanding senior group project, and the concrete canoe. Models of a revitalized downtown largely created by 1977 Modulus editor Chris Black, a riverfront park, and shopping center, etc., underscores the department’s plan to involve its students in the civil engineering opportunities which need to be solved in the local community.
Computer Science

Computer science, Rose-Hulman's fastest growing academic discipline, may have turned the corner in 1979. Although this year's "CompSci" graduates will remember Dr. Darrell Criss, the "father of the computer" at Rose-Hulman as their only professor in advanced level courses, the arrival of Dr. Mike Atkins and Mr. Sam Dupree at mid-year gave rise to the notion that the Rose-Hulman administration was making a commitment to the department.

Furthermore, a faculty committee moved forward during the year with a very ambitious five-year plan for increasing Rose-Hulman's computing capability. Maybe future generations of "CompSci" students will not hear the chilling cries, "The computer is down again!" Tens of "game hours" have been lost this way, not to speak of an occasional homework problem.
Upper photo, Prof. James Baker, Dr. Bruce Danner, and Dr. Darrell Criss ponder a new problem; left photo, John Seal loads a tape; right photo, computers are powerless without a program.
Electrical engineering has been part of the Master Plan since the earliest days. It's a deep discipline as hinted in courses like E & M (Exorcism and Magic) and S & M (Sorcery & Magic). Electrical engineering places considerable emphasis on individual senior projects and upperclassmen are never far from their five-volt regulated power supply.

Testing is rigorous in E.E., especially so in the classes of Professor Rogers. In fact, the three-question Charlie Rogers Test is an E.E. hallmark; Question 1 can be answered by all E.E. types, given an infinite amount of time. Only God and Charlie can figure out Question 2. Only Charlie knows the answer to Question 3.

Much of E.E. is abstract for most Rose-Hulman students, such as the following challenge: "Thevinenize the following circuit, bearing in mind that there is no such word as 'thevinenize'." It's also been expounded in lecture, "If we ever get an infinite current, it will destroy the universe!"
The HSLS Division, the abbreviated title for the humanities, social and life sciences, is the component of education which leads Rose-Hulman to say that it provides "a liberal education in engineering and science." Actually, HSLS is much more than that.

At Rose-Hulman the interaction between members of the engineering departments, and say, those in English, history, economics, language, and philosophy are much closer than other engineering colleges. Through Rose-Hulman's close-knit operation, institutional governance system and programs such as the Center for Technology Assessment and Policy Studies, many opportunities are provided for faculty from all disciplines to work together toward the common goal of excellence in undergraduate education.

Those who have ever taken a "Thad Test," written a paper for Drs. Carlson, Dyer or Parshall, or tried to take it easy in the classes of Drs. Brophy, Mason, Pickett or Priest know first-hand that "Hum" is as real to them as an engineering course is to their counterparts down the hall.

As a result of the popularity of the HSLS faculty, nearly one in five students now pursues an area minor; most classes will have between 15 and 20 students graduating with a certificate in technical translation in German or Russian. And, of course, there are nearly 100 seniors each year who have studied Shakespeare with Dyer and modern films with Parshall — classes which offer a distinct diversion from the Rose Grind.
Dr. Thad Smith (center) receives the Inland-Ryerson Outstanding Teacher Award from alumnus Harold Skelley (left) as Dr. Hulbert looks on. The honor includes a check for $1,000.
Mathematics, like chemistry, is inescapable at Rose-Hulman. All students WILL be proficient (or should we say "pass") Calculus I, II, and III, Differential Equations I and II, and Numerical Analysis I and, thus, be well acquainted with the group of faculty that inhabits the windowless Crapo Hall.

As would be expected, the number of mathematics majors in the Class of 1979 can be counted on one hand (and so can the recruiters who come to campus to hire them!) Four-hour finals, first period classes and boards full of equations daily test even the brightest and send all the rest to their knees. The mathematics faculty is very active on campus in extra-curricular activities ranging from intramural sports to the Glee Club.

Actually, the math profs fall into two categories: those who exercise daily and would be considered "jocks" or those who feel walking to the faculty dining room for lunch is all that's required to keep their figures in shape (yes, there was a pun intended).
“Give me a place on which to stand and I will move the earth,” declared one of the forerunners of today's mechanical engineer. Archimedes certainly would have done well in "sticks," "rocks," and "cranks," to name just a few of the ever popular classes offered by the Mechanical Engineering department. After all, the Archimedean screw can't be all that much different from the Rose screw.

Mechanical engineering has traditionally been Rose's largest division of engineering, and mechanical engineering students typically seem to radiate a sense of Ptolemaic centrality. Within the department, however, students can select the electives they need to satisfy their particular career interests and provide a schedule with just the right degree of challenge. Seniors, especially, take full advantage of this extra flexibility since they can arrange to party four nights a week instead of just three.
The Army R.O.T.C. program at Rose-Hulman celebrated its 50th anniversary on campus during the 1978-79 year. Rose is one of the few non-military schools in the country with a mandatory requirement in military science, but this in no way should be interpreted as a negative factor.

The military science faculty, which includes a colonel as PMS (professor of military science) and a compliment of majors, captains and master sergeants as instructors, makes itself available to the students. In addition to the basic instruction and advanced courses for those seeking an Army commission upon graduation, the officers and enlisted men in the Rose detachment help with many student organizations and high adventure trips which add measurably to the Rose experience.

Students have found that they can build their GPA with a genuine effort in the military science courses, but, at the same time, more than one top student has lost his chance at the coveted Hemingway Medal by stubbing his toe in MS 101.

Another strong point of the military science program is the ROTC scholarship program, the only way to get a "full ride" at Rose-Hulman.
Members of the Class of 1979 receiving Army commissions at commencement (left) were John Burke, Dennis Lithgow, Andrew Roach, Mike Sigmund and Mike Sterling.
The Physics Department seeks to furnish students with the background work they need to go further in any other field. However, just as lower level physics classes prepare a student for subsequent work in his major, a Physics Major is preparing for subsequent work in his field. Most graduates from the Physics Department continue their education at a higher level and seek research positions (a continuous education itself).
A Year Filled With Performances ..
As the Class of 1979 marched down the hill from Moench Hall to Shook Fieldhouse in the academic procession for the 101st commencement at Rose-Hulman there was a corporate feeling of accomplishment for all the participants in this very important occasion. Members of the Class of 1979, the teachers and staff, and parents and friends all had reason to feel that the period from Labor Day, 1975 to May 25, 1979 had been a very special time.

Two hundred one of the 304 young men who entered Rose-Hulman as freshmen in the Fall of 1975 were among the 213 undergraduates in the processional (four others are still in school and are expected to graduate), thus giving the Class of 1979 one of the better retention rates in the school's history.

The Class of 1979 was among the most successful
Commencement

in terms of GPA, with seven graduating summa cum laude (3.9 or better on a 4.0 grading system). Twenty-two earned magna cum laude honors (3.6 - 3.89), while seventy graduated cum laude (3.1 - 3.5999999, etc.). Now, that’s a lot of gold cords. Perhaps it was the run on the ‘gold cord’ supply that prompted the faculty to raise the standards for honors recognition from the long-established 3.1 to 3.3 beginning with the class which enters as freshmen in the fall of 1979.

Though not all had accepted positions in business or industry or had selected graduate school by commencement day, no fewer than 73 different companies were successful in hiring a 1979 Rose man. Many of these companies were recruiting at Rose for the first time, underscoring the demand for those who complete the run.

Commencement was marked by increased participation by members of the graduating class. President Hulbert turned over the duties of master of ceremonies to outgoing student body president Daily Hill. Other seniors who participated in the program in a formal way were class president Paul Bischoff, who gave the response to the welcome by the alumni association president Dr. Darrell Criss; Blue Key president Doug Stearley, who introduced commencement speaker C. E. Rice, president of the Avionics and Missile Group of Rockwell International; Jan Slupesky, president of Rose Christian Fellowship, who gave the invocation; and Greg Tarvin, Student Activities Board president, who offered the benediction.

"Commencement is for the graduates, their parents and friends," explained President Hulbert. "We think that it’s only proper that students play a more visible role in commencement."

The general tone of commencement was one of putting one’s talents and education to the most effective means for mankind. This is usually what commencement speakers talk about. However, Mr. Rice did make three very good points: not all ideas are successful (sometimes timing is more important than the idea itself, but if you have a good idea and know it’s a good one, fight for it . . . be patient if the timing is not right). Research and development dollars are shrinking and the U.S. is losing ground to technologically-oriented nations such as Japan, Russia and West Germany. But most important, Mr. Rice urged graduates to stand out as individuals.
Jackson, Campau Top Seniors

Tim Jackson (left) receives Heminway Medal from Dr. Moench.

Dr. Lucas presents Royse Award to Dale Campau (right).

Heminway Medal Winner

Tim Jackson, a mechanical engineering major from Piqua, Ohio, received the gold Heminway Medal as the senior graduating with the highest grade point average — 3.995 out of a possible 4.0 average. The award honors the late Mrs. Sarah Heminway, a close friend of Rose-Hulman founder Chauncey Rose who ran the household for Terre Haute’s visionary 19th century civic leader and philanthropist.

Jackson will return to the Dayton, Ohio area to work for Delco Moraine Division of General Motors Corporation.

Having previously won the Bogart Prize as the outstanding sophomore and the Wischmeyer Award as the top junior, Jackson also was elected to Tau Beta Pi, national engineering honorary; and Pi Tau Sigma, mechanical engineering honorary. He was active in the student chapter of the American Society of Mechanical Engineers.

Jackson was active in band his freshman through junior years, serving as treasurer as a junior, and was a member of Student Congress the sophomore, junior and senior years. A debater two years, he served as treasurer of the Debate Club as a junior and president this year.

Royse Outstanding Senior Award

Dale Campau, Greenfield, who majored in chemistry and took an area minor in German language, was the recipient of the John Tuller Royse Award, an honor which goes to the student selected by the faculty as the outstanding senior as based on scholarship, citizenship and participation in campus life.

A month before commencement Campau was selected as the outstanding senior chemistry major and also won the award for excellence in analytical chemistry. He has served as president of the Rose-Hulman chapter of Tau Beta Pi in 1978-79 — the fiftieth anniversary of Tau Beta Pi on the Rose-Hulman campus.

Campau, who like Jackson and five others, was graduated Summa Cum Laude (3.9 or better grade point average), will begin graduate work this summer in chemistry at Duke University. He received a pharmacology training grant from the Federal Government which is paying his way through graduate school. In return, he will work in a pharmacology related field for a period of not less than three years.

His honors have included the Heminway Award as the freshman with the highest grade point average, the American Chemical Society’s Outstanding Freshman Chemistry Student Award, and the underclass award for excellence from the ACS Analytical Division. He was vice president of the ACS student affiliate at Rose-Hulman during his junior and senior years.

Other activities include Student Congress (1977-79), chairman of the election committee for two years, the faculty committee on the quality of education, varsity cross country for four seasons, and two intramural sports.
Drs. Matsumoto, Lucas Honored

Dean’s Outstanding Teacher
Dr. Gerald Matsumoto, assistant professor of mechanical engineering since 1976, was presented the Dean’s Outstanding Teacher Award in recognition of his service as a classroom teacher and active leader in overall campus life at Rose-Hulman.

Matsumoto, who came to Rose-Hulman from Penn State University where he had been recognized for outstanding teaching, also serves as faculty adviser to the Rose-Hulman student chapter of the American Society of Mechanical Engineers and as assistant tennis coach.

Born in Salt Lake City, Utah, he grew up in California and earned the B.S., M.S., and Ph.D. in mechanical engineering from the University of California at Berkeley in 1966, 1968 and 1971 respectively. He taught at Penn State from 1971 to 1976, having won the Society of Automotive Engineers’ Ralph R. Teetor Award in 1972 as one of the nation’s outstanding young engineering educators.

The occasion was bittersweet inasmuch as it has been learned that Professor Matsumoto and his wife, Marie, will be leaving Rose-Hulman to return to California.

President’s Service Award
Dr. Jess R. Lucas, vice president for student affairs, was presented the President’s Outstanding Service Award. The award, sponsored by Indiana Bell Telephone Company, recognizes contribution to the school’s well-being and devoted service.

A native of West Virginia, Lucas spent much of his boyhood years in neighboring Clinton, Indiana. A graduate of Indiana State University in 1962, he earned the M.S. in supervision and guidance from I.S.U. in 1965 and the Ph.D in guidance and psychological services from I.S.U. in 1970.

Lucas joined the Rose-Hulman staff as director of counseling in 1968, was promoted to associate dean in 1973 and became acting dean of students upon the retirement of Rose-Hulman’s first full time dean, Ralph M. Ross in 1975. The following year Lucas was named vice president and dean of students.

Dr. Lucas, his wife, and three children, Eric, Angela Kay and Jesolyn, are well-known on campus since they reside in the dean’s quarters in B-S-B Hall.
"Say it on a shirt" seems to be the motto of the 70's. With the help of a few industrious students, the RHA used this medium to let on-campus students show the world "where the hall" they were staying.

The seven residence halls on campus offer a lively and stimulating study environment for over half of the students who attend Rose. Apart from the various spontaneous activities that occur in each hall, occupants can count on the inspired leadership of the RHA for all sorts of cultural enrichment. The RHA has been expanding in the recent past and reportedly has more ambitious plans for the future.
Parent's Day!
ORGANIZATIONS

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In reflecting over the accomplishments of the 1978-79 school year, the Student Activities Board has made several large strides. Through careful management, the SAB has been able to greatly expand its capabilities to bring in more top quality entertainment than has ever been seen at Rose-Hulman. Outstanding performances of this year include Peter James on being a spy, Harry Waller and his "Cockroaches on Parade," Roadmaster, the Purdue Variety Band and our biggest coffeehouse of the year, featuring the Mime and the Dancer. The annual joint social council production of "Les Orleans" was successful again and attendance at the NECAA conference has been very beneficial in all respects. The biggest achievement of the year was Homecoming 1978, featuring Harry Chapin. Not only was this the largest concert to ever come to Rose-Hulman, it also tested the abilities of the SAB in organization and management. Needless to say, it has set a precedent for the type of homecoming concerts and other entertainment to be seen in the future.
In past years Rose Rifles has numbered among the top drill teams in the country and this year was no exception. After one year of rebuilding, Rose Rifles has again made its mark at the largest drill meets in the Midwest. These competitions included Purdue, Washington University of St. Louis and Eastern Kentucky University. In addition, Rose Rifles also performed in the ISU Homecoming Parade, the Veterans' Day Parade, and at Paris, Illinois. Rose Rifles also provided the official color guard for the grand opening ceremonies of the new Vigo County Public Library.

The freshmen, sophomores, and juniors which composed Rose Rifles this year were led by junior Ted Fultz. The team performed its original and unusual maneuvers, including the traditional Syncopated March and Circle Manual in the tradition of Rose Rifles pride and excellence. Members of the team spend over 75 hours practicing the ten-minute competition drill routine which won them two trophies this year.

The spirit and dedication of Rose Rifles gives the members a feeling of pride in their accomplishments and a knowledge of their personal abilities. The team's distinctive uniforms and symbolic emblem indicate that Rose Rifles and Rose-Hulman are the best.
The Rose Tech Radio Club continued its fifty-seven year old tradition of excellence in the year 1978-1979. Under the leadership of Kevin Anderson, president; Ken Burch, vice-president; and Tim Daniel, secretary-treasurer, the club encouraged interest in the art of radio communication and provided equipment for student use.

Group activities are becoming an integral part of the Rose Tech Radio Club. In addition to discussing business at the monthly meetings, several club members, along with faculty advisors Professors Moench and Hoover, presented information on current technical topics and construction projects. A community-wide hidden transmitter hunt was once again sponsored by the Rose Tech amateur radio operators. Despite increased competition, a Rose-Hulman team managed to capture first place.

To increase its pool of trained operators the club offered weekly Morse Code classes. As a result, several students and faculty members are on their way to obtaining an amateur radio license. Both old and new operators participated in the annual Rose Show which gave visitors a chance to see the club's station on the air and to send free radiograms.

The diverse nature of amateur radio made the year a challenging yet enjoyable experience. At the year's end, with the goal of satellite communication, plans were made to update the club's facilities with a frequency counter and an all-mode two meter transceiver. The Tech Radio Club looks confidently toward the future.
The QUARTERLY weathered its most severe drought in recent years. Managing to get three issues to the printer in one quarter (after all, it is the Quarterly; the staff just picks the quarter), we managed to get two back and out to the mailboxes before the end of the year. Resident artist contributions were up, as witnessed on all three covers and, also, inside the QUARTERLY. Volume of writing per editor was up (by necessity). The official staff list looked suspiciously like the list of writers from Professor Parshall's creative writing class.

Despite the writing drought, the QUARTERLY had two major improvements over last year. Subscriptions were up over last year, and the subscription prices were down. In a year (school year) of nearly ten per cent inflation we reduced our price fifty per cent.

Plans for next year include some interesting possibilities. If submissions stay low, it is possible we would cut back to two Quarterlies. Also being considered is a more elaborate out-of-school-printed format that will make the QUARTERLY much more attractive as reading and viewing material and as a personal writing arena.

Staff: Jeff Shrum, Leslie Light, Gene Jones, Phil Amick, Jeff Koechling.
The Rose-Hulman Rifle Club operates out of an 8-point indoor rifle range that is located in the military basement. The club supplies targets, target rifles and ammunition, although any .22 caliber rifle or pistol may be fired on the range. Many club members are also active in high-power rifle, center-fire pistol, trap, skeet and black powder shooting.

The top shooters from the Rifle Club make up the Varsity Rifle Team, a team which this year distinguished itself as the top team in the nation in NCAA Division II or III. The Rose squad also defeated most of the country’s larger schools, such as UCLA, Ohio State, Notre Dame, Wisconsin and Purdue, to name a few.

The student/faculty rifle match held in December provided profs and students a long-awaited opportunity to “shoot it out”, at least in a figurative sense. When the smoke had cleared, the faculty emerged victorious, but only after it was decided to bar all varsity and ROTC rifle team members from the match.

Other activities included the Parents’ Day Turkey Shoot, and the fall marksmanship clinic, which brought two former All-Americans to the campus to further instruct students in the art of smallbore rifle shooting, Olympic-style.

Rifle Club Officers for the 1978-79 school year are:

- President: Gary Meier
- Vice-president: Jeff Sutherland
- Secretary: Jim Gryga
- Treasurer: Brian Raver
The Physics Club, which is the local chapter of the Society of Physics Students, gives students who are interested in this science a chance to investigate its many facets and to become better acquainted with members of the Physics department.

Spectators at this year's Rose Show were treated to fascinating displays on holography, gyroscopes, and electrostatics, courtesy of the cooperative showmen of the club. In the springtime, as the trees were bursting out with green ($\lambda = 520$ nm.) foliage, the Physics Club members treated themselves and the physics professors to a festive bacchanalian picnic.

George discusses the effects of gravity to his captive audience.

Members shown (l-r): Bob Hahn, Dan Hatten, Bill Grant, Dr. Moloney, Jon Edmundson, Olin Calvin, George Sparrow.
Flying Club

The Flying Club is composed of members who are interested in the many various aspects of aviation. Last year’s members conducted a ground school which, through filmstrips and study guides, brought interested students up to the point of the written test required as part of a pilot’s license. This ground school, in its second year of operation, is constantly improving and hopefully the 1979-80 will see such instruction in its completion.

In the past the members of the Flying Club have also held flying ventures at Hulman Field, where they have obtained a 10% discount on rates. The club also plans to delve into other aspects of flying in the future, such as hang-gliding, but these projects will depend on the amount of support and participation they receive from the student body.

Officers for the year were:

President: Greg Zimmerman
Vice-President: Frank Smidler
Secretary-Treasurer: Dale Wellman
Operations: Brian Webster
Advisor: Dr. Hooper

Front: Frank Smidler, Brian Webster, Greg Zimmerman, Dale Wellman. Back: Kirt Teitge, Harry Preste, George Sparrow, Dr. Hooper, Dr. Khorana.
To the layman, "The Thorn" is the campus newspaper. It appeared weekly, miraculously never missing a deadline. What's more, it was even READ — not only news, but also popular features like Decent Chick of the Week and Page five (the portion of the four-page paper devoted to humor and satire).

To the dedicated staffer, though, "The Thorn" is news to write and deadlines to meet. It is Monday nights in the Thorn office — and generally the wee hours of Tuesday morning as well. It is bylines (real and otherwise), word counts, and page layouts that the printer considers to be fiction. Then there's always "Not the Thorn," which the Thorn staff of course had nothing to do with.

Some have called this year's Thorn the "best ever." Or, as Beauregard Sam Hulbert put it, "I quite frankly look forward to . . . Friday afternoons." He may even have meant "The Thorn."

How soon hath Time, the subtle thief of youth, stol'n on his wings another band season! Who can forget the joy and sorrow, the football and basketball games, the road trips and the dances? How many of us can hear the name Ethel without shouting "KL5-4972", at the top of our lungs?

The Band started out the year with a bang - or perhaps a hammer stroke is more appropriate to describe our dynamic new director, Dave Nearpass. Under his care and guidance the talent that had long been evident in the program was able to coalesce into a startlingly good group.

Towards the beginning of the year the emphasis was on the pep band, who found out that there is life beyond Sound power. Home and away football and basketball games gave us many chances to practice our craft. Some preferred the away games (because of the girls), while others enjoyed the home games more (because of Dr. Hulbert’s hats).

As the year moved on, so did the Jazz Band. Much of the old talent was there from last year, and some new additions enable us to achieve a truly fine sound.

And so as the sun sinks slowly in the West, so does the Band, secure in the knowledge that once again we’ve bashed, honked and tooted our way through another year, and almost subliminally crept into the minds, hearts and ears of our fans.
Rose-Hulman's Debate Team made its third year its best by finishing the season winning the contemporary issues division of the DSR-TKA National Championship in Atlanta. For the season, the team won two first, two seconds, and three fifths out of seven tournaments entered, and reaffirmed its reputation as one of the Midwest's premier teams.

The Debate Team's purpose is to help Rose students improve their communications skills through public speaking and competitive debate. This year's team included senior John Rasp, junior Dwight Dively, and sophomores Mark Bates, Kevin Bowen, Peter Kehoe, and Jim Renfro. They won a total of eleven individual speaker awards in addition to the team trophies.
The Association for Computing Machinery is the world's largest educational and scientific community for computing professionals. The purpose of Rose-Hulman's student chapter of the ACM is to provide ways for the students and faculty of Rose to further their knowledge of computers and computing. In the past, ACM has sponsored programming contests at Rose, field trips to Argonne National Labs and the Indiana Computer Conference at Bloomington. This year, ACM sponsored several guest lectures on computing and coordinated a group order of computer manuals.

Officers for the year were:

- Faculty advisor: Dr. Darrell Criss
- Chairman: Rich Wolfe
- Vice-chairman: John Unruh
- Secretary-treasurer: David Moody

Beta Iota Tau is a nationally recognized fraternity nominally devoted to the furtherance of computing and computer science. In fact, it is a fraternity of computer scientists who enjoy a good time and good company. You may have noticed that BIT (short for Beta Iota Tau, which is long for BIT, which stands for bit, which is short for binary digit) is not listed among the other fraternities at Rose and there is a good reason — Rose does not recognize BIT as a fraternity.

This year BIT did many good and honorable things, such as conducting help sessions for the old line printer output and taking the CS100 students out to be recycled.

Our officers for the year were:

- Dave Bakken, HOBIT (high order BIT - President)
- Brad Phillips, Perpetual Chm. of Vice (Vice-President)
- Chris Thomas, I/O Processor (secretary)
Our Student Government Association (SGA) functions through an Executive Council and Student Congress who provide two-way communication of criticism and ideas between students, faculty and administrators of the College.

The Executive Council is composed of the elected President and Vice-President of the Student Body who then appoint a Treasurer, two Secretaries, a Business Manager and an Historian. The President presides over the Executive Council and is the primary information source between the Administration and the Council. The Vice-President is delegated the responsibility of the Student Congress, formed from student representatives from each living unit on campus plus representatives from commuting students.

SGA services to campus include funding twenty-one clubs through a $44,000.00 budget, selecting students for Rose-Hulman Honor Keys and Who's Who in American Colleges and Universities, providing free tickets to Terre Haute films and Theatre series, renting refrigerators, overseeing vending machine service and, most of all, ensuring that student input is maintained on Faculty Committees and within administrative decisions.

Major efforts this year have focused in three areas: the Master Plan, student representation to Faculty Committees, and student organizations (clubs).

At the October Board of Managers Meeting the SGA representatives stated student criticism in specific areas of the Master Plan while also being an important factor in the passage of the entire Master Plan Building program.

In areas ranging from Traffic and Security to Curriculum Reviews to school policy revisions, the students have voiced their input through Faculty Committees, out of which have come significant and positive changes.

Finally, to enlighten the Rose campus atmosphere, several steps were undertaken. An Activities Fair was held for all freshmen in September at which time twenty-three organizations presented displays and related their activities and projects to the freshmen. Also, each month a calendar of meeting times and functions was posted in the main hallway. Funding to student organizations was more liberal in an attempt to encourage larger and better attended programs. The result was an $11,000.00 Harry Chapin Concert, the groundwork for hosting a National Orienteering Meet, and completion of the Rose-Hulman race car.
Pi Mu Epsilon, the campus math honorary, has somehow developed something of a sordid reputation. In fact, the organization has been linked with homomorphisms, surds and covariance, not to mention a rumored close association with graph theory, whose very name is virtually synonymous with sex, drugs and violence. The Epsilons (not to be confused with Epsilon-minus) feel it is time to dispel these vicious half-truths.

First, the club denies the bit about the coconuts and piano wire (where would we get that much Wesson Oil, anyway?). Secondly, the mixup at last year's banquet was not its fault; the Epsilons specifically asked for 14 twenty-year old girls and not the other way around. As to the rumor that the purpose is to promote scholarly activity in mathematics among students: no comment.

Despite the stigma, Pi Mu Epsilon managed to get in its quota of softball games and banquets, and even a critically acclaimed movie on nonstandard analysis. With its greatly increased membership, the hope is to continue the old activities, and perhaps, do some research on binary relations, a la Mirag-Leffler.
The Chess Club in the 1978-1979 school year was extremely active in its attempt to provide the opportunity for interested Rose students and faculty to play and compete in the sport of chess. Under its 1978-79 officers, Bob Kaminsky, president, Jamie Oxley, vice-president, and Ron Froman, secretary-treasurer, the Club participated in or sponsored many special events in addition to its regular weekly meetings.

In the fall the Club sponsored its annual nationally rated "Rose-Hulman Open," which was open to the public. Later it also held its annual "Patzer" or beginner's tournament open to all nonmembers of the Rose community to encourage more people to learn and play chess. Both of these tournaments provided cash prizes to the winners.

In the winter, the Club sent its team to tournaments in Bloomington and Hammond in preparation for the season's big event, the Pan-American Intercollegiate Chess Championship held in Chicago. The Club's team was comprised of Jim Murduck, Bob Kaminsky, Joe Farrell, Mark Shirley, Jim Squire, and Bob Homeier. Although the team did not win any awards it did provide tough competition for the larger university teams.

Finally, during the spring quarter the Club held its most prestigious on-campus event, the Annual Club Championship. Participation required a personal invitation based on proven playing ability. In addition to every member of the actual team, Rich Wolfe and Doug Gundlach also competed in the tournament. Throughout the year, the club has attempted to improve its players by building a chess book library and acquiring self-help computerized program packs. The club, with its newly elected 1979-80 officers, President Bob Kaminsky, Vice-president Jim Murduck, and Secretary-treasurer Doug Gundlach, looks back on the past year as another fun and worthwhile year and looks optimistically to the future.

Greg Muncie and Rich Wolfe battle it out in tournament play.
Camera Club

The Rose Camera Club provides students and faculty with an adequate workspace for either color or black and white processing. Facilities for color are located in the library basement (so, THAT'S where the revolving door goes!), while B & W equipment is in the Speed Hall basement.

The club's main purpose is to provide initiative for club members, which numbered over thirty. The club annually sponsors the Rare - Rose Retrospect and usually a Parents' Day display.

One major user of the darkroom facilities has always been the MODULUS staff, where nearby all of the annual's B & W - and some of the color - is processed from start to finish.

The Camera Club welcomes new contributors to its functions and continues to open its doors to any interested camera buff. Experienced members are always willing to provide darkroom instruction, as well.

Astronomy Club

Stargazers at Rose can enjoy observing the universe through an eight and a twelve inch telescope in association with the members of the Astronomy Club. Under the guidance of Dr. William Deutschman, new to the physics staff this year, the club rebounded from a slightly nebulous previous season.

To enhance the utility of the two telescopes the club maintains and operates a darkroom equipped with cameras and other optical hardware.

During the year, members were treated to a series of interesting lectures covering many topics in astronomy. Also, an "open house" was arranged on that darkest day of the year, the first day of winter quarter finals, which coincidentally fell on the date of this year’s solar eclipse.
Tau Beta Pi

Tau Beta Pi, the national engineering honor society, serves to recognize outstanding scholarship and exemplary character in the field of engineering. Founded at Lehigh University in 1885, the organization now comprises over 210,000 members in 176 collegiate chapters and fifty one alumnus chapters. Tau Beta Pi enjoys a world-wide reputation for its high membership standards. Its members include several Nobel Prize winners, nearly all the members of the National Academy of Engineering, and several recipients of the National Medal of Science.

Tau Beta Pi draws its membership mainly from the top academic one fifth of the senior class and the top one eighth of the junior class, but alumni and others who have risen to prominence in the engineering profession are also eligible for membership. Although high scholastic standards qualify a student for Tau Beta Pi membership, they by no means assure a candidate’s election. Exemplary character in the form of high personal integrity, a wide range of interests, adaptability, and unselfish community service are also considered. This year, the Indiana Beta chapter of Rose-Hulman elected forty four new members in the fall and spring to join the twenty one members remaining from the 1977-78 school year. Tau Beta Pi trusts that these members represent not only the outstanding members of the Rose-Hulman community, but also the future leaders of the engineering profession.

Front row, Doug Sterley, Todd Hand, Steve Gillman, Ken Krupa, Dale Campau, Hugh Sutherland, Bruce Kistler; second row, Meredith Gafford, Jay Slupesky, Dale Parker, Buddy Atherton, George Bowman, Don Stratton, Jeff Pauls, Mike McPhenan; third row, Steve Long, Peter Hylton, Brian Raver, Dennis Pepper, Don Jonas; fourth row, Jeff Hildebrand, Steve Thompson, Jerry Fish, Garey Meier, J. C. Aggee; not shown, William G. Starr, Dave Hinman, Bob Leipold.
Pi Tau Sigma found its origins on the Rose-Hulman campus in 1968. Pi Tau Sigma is the national honorary mechanical engineering fraternity. Maintaining high standards for its members, students who wish to be inducted are elected based on their performance in the areas of scholarship, involvement in campus activities, and demonstration of engineering ability.

Among the various activities undertaken by the local chapter are participation in the National Convention, organizing Parents' Day displays, sponsoring the Rube Goldberg Design Contest, as well as activities designed to further professional skills of members.
I E E E

The Rose-Hulman chapter of the Institute of Electrical and Electronic Engineers was very active during the 78-79 school year. The group took trips to various industries and plants pertaining to the electrical field. They also hosted the Midwest meeting at Rose in April. The group participated in the Rose Show for Parents' Day and enjoyed a cookout.

Officers for 1978-79 were:
Chairman
Mark Denzin
Vice-chairman
Ken Burch
Secretary
Paul Hahn
Treasurer
Andrew Gavrilos

WRTR

WRTR, Rose-Hulman's campus radio station, continued its tradition of AM carrier-current broadcasting in BSB, Speed, and Scharpenberg Halls from 2 p.m. until midnight, as preliminary preparations for its long-awaited FM stereo radio station concluded. With the Board of Managers' final approval of the project, the staff of WRTR, working in conjunction with the administration, faculty, and staff of Rose-Hulman, completed and filed FCC Form 340, the first legal step on the road to a non-commercial educational radio station license.

The Broadcasting Club also provided its active members (numbering between 50 and 60 during the year) with the convenient opportunity to obtain a license to operate any FM radio station in the United States, something they will all need once WRTR finally operates on the FM band. Almost all of the club's members obtained this license.

WRTR is managed by a 16-member executive board. The principal officers for the 1978-1979 year were:
Rick Pflugshaupt President
Bob Gann Senior Vice-President
Dave Challis Vice-President
Chris Thomas Vice-President
Mike Johnson Treasurer
Billy Funk Secretary

WRTR hopes that by converting to an FM station it will be able to reach more people and, therefore, be of more service to Rose-Hulman.
The Interfraternity Council is the governing body concerning fraternity activities at Rose. Its objectives are to provide for cooperation between fraternities and to promote increased involvement in school activities by fraternity men. The council’s overall purpose is to form a common bond between the fraternities, students, faculty, and administration.

The IFC’s main activity has been the supervision of fall rush, but the council also emphasizes other areas, such as fraternity scholarship and intramural participation. The IFC also sponsored a fall and spring blood drive, and organized the Greek Games, the proceeds of which went to the Bill Sultze Fund.
Modulus

After years of struggling, the MODULUS is still endeavoring to arise to its feet here at Rose. Amid the flood of jokes and criticisms, somewhere there are a few precious souls still cranking, however slow, the wheels of production. Last year’s staff (or was it two years ago?) at least provided a spark or two to maintain that dim glitter called a “yearbook.” Hopefully, the arrival of this book will become a foundation for future staffs to stand on. Yet the MODULUS still needs, and will always need, talented individuals who are willing to sacrifice time and share thoughts. The 1979 staff consisted of an indefinite handful of unpaid, unheralded volunteers.

Yearbooks are automatically accounted for in student fees at Rose, and all students will receive one from each year they attend - if that particular year’s staff produces a book. The class of 1980 will be one of the first classes for quite some time to receive a full four-volume record of their terms at Rose.

The ’79 staff tried to add some variety to the drudgery of “yearbook work” by having outside activities, which included a mediocre picnic and a mediocre IM volleyball team.

As for yearbook work, the staff welcomed a new member - the PDP 11/70 computer. Copy was typed and proofed in the computer and then printed out by the DIABLO, an on-line typewriter. This resulted in several pages of error-free copy. For service and assistance in this area, the staff is especially thankful to Dr. Bruce Danner.

As the year lingered on, so did the yearbook, meeting a record of zero deadlines, dragging well into 1980. But as one perverted staff member noted, “Deadlines are for dead people.” The staff sincerely apologizes for its tardiness, but as you flip through these memories, we hope you feel that it was worth the wait.

At least we got the ’78 distributed!
We glued Wasil's head to the ceiling because he wouldn't work. Such dedication was not uncommon on Don's part.

Frank contemplates a layout.
Blue Key is a national honor fraternity. Membership is based on leadership, academics and service to the school and community. Membership in Blue Key at Rose means more than an honor. It means you are willing to "spend and be spent" in activities at Rose.

Blue Key's first activity this year involved Homecoming. They sponsored the Queen Contest and the Banner and Yell Contests Friday night. Towards the middle of the year Blue Key held an evening faculty-student dialogue where current issues at school were openly discussed. In the Spring, Blue Key planned the Rose Show at Parents' Day and organized Rose RHIOTS.

The year was, indeed, an active one for this service-oriented honorary fraternity.

Officers for the season were:

President: Rod Norder
Vice-President: Matt Hodson
Secretary-treasurer: Rich Priem
Advisor: Ron Reeves
"Blueprint for Excellence". What does it mean? For some, nothing, because in all reality, it won't materialize during their stay at Rose. But for many, including the faithful alumni, this "Blueprint for Excellence" is still another step toward the growth of this established institute, all part of the great plan - the Master Plan. No, it's not the world's ultimate goal or achievement, but it is an effort toward perfection. If all goes as planned, this place will certainly be able to "keep up with the times", and, though it may not look quite like we remembered it, Rose-Hulman will be worth coming back to see.
RCF, Rose Christian Fellowship, is the Rose chapter of Intervarsity Christian Fellowship, a nationwide organization whose purposes are evangelism, discipleship, and missions on college campuses.

Evangelism is leading others to personal faith in Jesus Christ as Savior and Lord. Discipleship is helping other Christians grow to maturity as Christ's disciples, by prayer, Bible study, and Christian fellowships. In Missions, the call of God to the world mission of the Church is presented.

RCF meets weekly as a large group for singing, fellowship and a time of learning in the three major areas. Dorm groups also meet weekly for discipleship and training in God's Word. This year's service project was extremely successful. Steps were put on "The Hill" behind Deming Hall. RCF makes its impact on the Rose community felt in many ways.
The Rose-Hulman Racing Association is one of the fastest growing new clubs on campus and is perhaps one of the most active as well. The club promotes various race-related activities and fosters a keen interest in nearly all aspects of the automotive field.

One of the major projects for the 78-79 school year was the acquisition of the Buick in the fall, followed by extensive modifications to its frame, engine, and accessories in preparation for eventual racing status. A roll bar was installed and a new fuel tank was constructed by members.

Another activity, which was well accepted, was the renting of Indianapolis Raceway Park, enabling members and others to test their skill on the road course.

Throughout the year, three road rallies were sponsored where participants collected points according to finish. In the spring, tallied totals revealed that sophomore Lee Fisher was the overall winner.

Other activities included the establishment of an SAE chapter (Society of Automotive Engineers) at Rose. Various automotive movies were shown throughout the year and a representative from Switzer Turbo presented a lecture on turbo charging.
The 1978-79 season was one of rapid change and expansion for the Rose Orienteering Club. Membership increased from four in September to over twenty-five at the end of the club's first year of recognition by the Student Government Association. The Rose OC made a strong showing at four national class meets and over a dozen smaller ones. Ten club members were listed in the United States Orienteering Federation's 1978 national rankings: Tim Guetersloh (Bronze Award), Mike Sigmund, John Moore, Frank Smidler, Paul Fahlising, Mark Mason, Galen Kannarr, advisor Brick Burks, former advisor Kevin Byrnes, and alumnus Steve Hanson.

In addition to competitive gains, the club made many technical advances. A completely new five-color map of Owen-Putnam State Forest was published in the spring and used in a regional meet attended by orienteers from as far as Kansas. Production of a multi-thousand dollar map was initiated for use in a national Class A meet at Yellowwood State Forest in the spring of 1980. The club also held several local meets including "memory course" and "snow orienting" meets.

Besides the production of the map and the Class A meet, the club is planning the acquisition of a stereo plotter to make maps from aerial photographs.
'O' CLUB — Kneeling, from left, Peter Kehoe, David Bose, Mike Sigmund, Scott Lynn, Galen Kannarr. Standing, Tim Guetersloh, Paul Fahlings, Kevin Rees, Brayton Burks (advisor), Frank Smidler, Don McCracken, Jim Chaney.
The Rose Drama Club set all sorts of records this year, including most shows, longest cast party, and least attendance at a single performance.

The club, under the guidance of first-year director, Diana Harbaugh, presented as its fall show an excellent production of Archibald MacLeish's *J.B.*, a moving drama in verse based on the Book of Job. The winter comedy was Joseph Heller's *Catch-22.*

Highlight of the year was the spring show — the club's first musical ever, *The Fantasticks.* With an outstanding production of the show the club courted bankruptcy while showing the world that Rose engineers are not all theatrical and musical illiterates.

Other club activities included skits for Rose Riots and Homecoming, the simultaneous murder of Caesar and Shakespeare, lengthy cast parties, and parodies of minimal redeeming social importance.

Club members sacrifice their evenings and GPA's at lengthy rehearsals, all for a few hours "in light." They enjoy it, though, because they realize that, like certain other things, plays take time if done properly.

And as Billy S. put it, "The play's the thing."
The men of Alpha Tau Omega pride themselves on their many and varied activities and interests. Scholarship is one such area. The ATO's continued their record of never being below the All-Men's Average. However the ATO's have more to their life than just studying. ATO is represented in every honor fraternity and engineering society. Also, ATO's hold many of the class offices, several positions on the student government, and many club offices.

Another subject of the ATO's pride is their social service schedule. During the 1978-79 school year Alpha Tau Omega canned on street corners for charities such as St. Jude's Children's Hospital. A record $2500 was collected for the Heart Fund. Not only did ATO's can on street corners, they again held their annual Christmas party for the Big Brother-Big Sister program and cleaned up the fresh air camp in West Terre Haute.

Intramurals are still another field where ATO's are very busy. ATO fielded at least one team for each intramural sport this year. The ATO major softball team won the league this year to highlight the many intramural events.

Rose-Hulman's homecoming queen, Maureen Crandall, was sponsored by Alpha Tau Omega. Maureen went on to represent Indiana on the Orange Bowl Homecoming Queen's Float, which was in the New Year's Parade. Maureen is an ATO little sister, another program of which ATO's take pride. Another winner for ATO this year was their banner in the banner and cheer contest held during homecoming weekend.

Rush was very successful this year for Alpha Tau Omega. Twenty-four new members were initiated during the 1978-79 school year with six more to be initiated next fall. A strong rush program is highly valued by the entire chapter.

The social program at ATO was a "smashing" success this year. The cartoon party and Blues Brothers party were highlights of the rush schedule.

ATO consists of a diverse cross-section of individuals. Each and every ATO has his own special abilities. Socially, athletically, and academically, everyone contributes that little something special, which is what ATO is all about.
Greek Weekend highlighted the spring quarter. It began on Friday night with the Pledge Dance, which had the theme "The South Shall Rise Again." Parents' Day occurred on Saturday, and the Greek Games were held Sunday. The games were especially exciting for the Alpha Taus. The first event, the cart race, was won by the Taus. Then followed consecutive third place finishes in the canoe race, the fifteen-man pyramid, and the tug-of-war. The Taus took fourth place in the bike race to finish third overall. The last event of the weekend was Songfest, in which ATO placed second.

Gamma Gamma Chapter continued to thrive in '78-’79. In the years ahead, the ATOs will cherish the memories of college days at Rose. And first in their hearts will be the brotherhood of Alpha Tau Omega.
Curt Dunlap, Jon Perry, and Dave Mayfield show that there is more than one way up the hill in the canoe race.

The first two rows of the pyramid fall into place.

Chris Bodenhorn leans into a turn in the Bike Race.
The 1978-79 school year proved to be a busy yet productive one for the men of Lambda Chi Alpha. Many honors were earned by brothers during the year. Besides the professional engineering clubs, Lambda Chi's were inducted into the engineering honoraries and such academic honoraries as Tau Beta Pi and Blue Key. Some brothers were also inducted into Who’s Who for college students.

More prominent participation in governing student organizations was achieved by the elections of Brother Umpleby as Student Government Association President and Brother Gehring as Interfraternity Council President. Lambda Chi's were also elected as class officers and appointed as resident assistants and advisors for the upcoming year.

Although the fraternity bonds together over ten percent of the student body, members have no fear of losing their individual identities. Last year Theta Kappa hosted the Midwest Conclave, in which brothers from all over the midwest met for a weekend of seminars, workshops, and brotherhood.

Again Lambda Chi Alpha was the leader in intramural sports. Our teams proved to be dominant, as evidenced by the addition of another all-sports trophy to our collection. The year also brought the Greek Weekend trophy back into the Lambda Chi’s trophy case. Not only did Lambda Chi excel on the sports field, but in the classroom as well, as evidenced by the chapter receiving the scholarship award. Brothers also competed in varsity athletics such as football, baseball, wrestling, track and tennis.

There is a strong feeling of community responsibility at Lambda Chi Alpha. During the Homecoming week in the fall, the annual Lambda Chi “Run for Those Who Can’t” netted over $1300 for the Children’s Learning Center of Terre Haute.

The brothers kept the holiday tradition strong during the yuletide season. The chapter hosted a Christmas party for needy children of Terre Haute—children who might not have enjoyed Christmas at all. A holiday dinner was prepared by Professor Alfred Schmidt, an alumnus of the chapter, for the fraternity members, school administrators and other guests. And Christmas would not have been complete without caroling throughout the neighborhood.
"And it really fell out of the sky this way!"

As a welcome contrast to the academic emphasis here at Rose, Lambda Chi hosted two formal dances last year. The fall quarter was highlighted by the Calendar Girl dance, featuring the most beautiful co-eds from I.S.U. and St. Mary's. During the spring quarter, the event of interest was the White Rose dance. Springtime also brought such favorites as the pig roast and the canoe trip.

The 1978-79 school year was memorable indeed, as new goals were met and old traditions upheld. Our strength lies not in the past, but rather in the future, as the men of Lambda Chi Alpha continue to make their mark on the campus and community as the "Fraternity of Honest Friendship."

Bruce Glaser powers around a curve.
Winning tug-of-war team shows their strength.

"Hey, wait for me!"

Lambda Chis position for the pyramid.
Although the '78-79 school year proved no less demanding than previous years at Rose-Hulman, brothers of the Beta Upsilon Chapter of Sigma Nu Fraternity managed to enhance their lives both as a group and as individuals through participation in sports, rush, campus organizations, community services, and social activities.

Sports are a vital part of Sigma Nu life. A great majority of brothers participate in the various varsity sports, with an even larger number taking part in intramural activities throughout the year. Although the performance during Greek Weekend was less than perfect, the hard efforts did not go unrewarded as Sigma Nu tied for third overall, including an impressive first place in the pyramid.

Sigma Nu’s rush efforts proved as fruitful as last year, as another twenty-three man pledge class survived the long pledgeship to be deemed worthy as brothers in Sigma Nu. Pledge activities included numerous car washes and a raffle to raise a predetermined amount of money for chapter projects and house improvements. Another superb performance during Rose Riots also helped to display the unity for which each Sigma Nu pledge class strives.

Leadership and achievement are two qualities that make a man a Sigma Nu, and several brothers demonstrated these qualities by receiving many awards and holding various offices. In sports, brothers gained recognition for All-conference and Most Valuable Player in football and held the offices of vice-president and secretary-treasurer in R-men’s Club. In academic organizations, Sigma Nu placed four members in Rose’s prestigious Blue Key, including vice-president. Other offices held included president of ASME and vice-president of IFC. Student government participants, Rose Honorary members, and a General Motors Scholar are also among the ranks of Sigma Nu. Community involvement is also recognized by the fraternity. Successful door-to-door fund raising drives were held for both the cancer and kidney foundations. In addition, many members helped the Rose community by donating blood in the IFC blood drive.
The year would not be complete without its share of social events. Weekend party themes included "Mad Hatter" and "Stationary Hayride." The brothers demonstrated their patriotism in early December by sacrificing their "bombed" bodies at the Pearl Harbor Party. Mixers with various ISU sororities helped to ease the tensions from Rose along with several sports related activities — Monday night keggers during the fall and an allnight celebration during ISU's NCAA appearance. Since the movie "Animal House" was actually filmed at a Sigma Nu chapter, the brothers deemed it appropriate to revitalize the toga party, complete with Roman punch and sheet-clad bodies. As an alternative to the weekend bashes, there were also three formal affairs during the year. First was the Homecoming Dance, where both active and alumni brothers celebrated Rose's trouncing victory over Principia and Sigma Nu's second place in the banner competition. The Pledge Dance was held in late January at the Plumbers and Steamfitters' Union near Seelyville. Despite the heavy snow and cold temperatures, the brothers kept warm with good brew and dancing. The White Rose Formal took place at Howard Johnson's in late April. The band "Morningstar" provided several fine rounds of "Wooly Bully" to culminate the year's activities.

The growth, involvement, and achievements of the past year have helped to sustain the principle on which the fraternity is grounded — brotherhood.
The winning pyramid takes shape.

"To the beach, men!"

Greeks explore Roman culture.
The 1978-79 school year was bright and promising for the Rho Phi Chapter of Phi Gamma Delta. Hardly had the sun risen above the horizon when the Fiji's found themselves in the middle of the fall rush season. But the members of the Rho Phi chapter were a party-hardened group, and they were prepared and excited about the upcoming year.

There were the initial Friday - Saturday night "break the ice" keggers. Then there was Fiji Heller Weekend with the band "Rage" playing to the enjoyment of all in attendance on Friday night, with a kegger following it up on Saturday night. No sooner had everyone recuperated when the South Sea Island party loomed ahead with its tropical delights. Later in the quarter, while everyone was attending Halloween parties, there, high above all the rest, was the Fiji Beat the Rush New Year's Party. This party was unique in that while everyone was dressed in Halloween costumes, they were celebrating New Year's Eve style. The final major party of the fall was the spectacular Fiji Disco. The house was decorated with a light system that challenged the best, and so many people attended that it was especially hard to find a place to dance.

The end of the official rush season found seventeen of the best men the freshman class had to offer matched with Phi Gamma Delta. The winter season found all members content to take things easy and enjoy the social events. There was the chapter's installation party where the Purple Passion literally flowed, and the Purple Garter, the chapter's annual formal dance.

Also during the winter the men of the Rho Phi raised money for the Special Olympics by holding a track meet in the Shook Fieldhouse open to all 4th graders in Terre Haute. Approximately one hundred children participated and the project was deemed a success by all those who watched and participated in the activities.
Spring found the members anticipating many social events and Greek Weekend. The major party of the spring was the ever-popular spring version of the Fiji Disco. An added attraction to the spring Disco was the new laser light show. The party was a great success.

Greek Weekend found all the brother’s teams prepared to compete, and compete they did, taking one first, three seconds, and one fourth in the day’s events. But in the end, the men in purple fell short by one point from returning the trophy to the spot it had held for the past year. Overall we were proud of our efforts and the efforts of all the fraternities, which made the games very competitive.
"It's my hat! ... no, it's mine! ... no, mine!"

The final party of the year was Fiji Island. The weather did not cooperate fully and Friday night's activities were held at the house, but Saturday's events were held at Lake Sullivan, where the brothers and their dates had a good time.

Fijis do other things besides party. This year approximately one-fifth of the chapter participated in varsity sports. In intramurals the Fijis provided strong competition in all sports, and were victorious in the IM cross-country meet, while being formidable in football, bowling and volleyball. This year also saw major increases in the number of brothers involved in school activities and clubs. Overall the year was a successful one, and one to be fondly remembered by all Fijis.
Theta Xi

Theta Xi was founded on April 29, 1864 at Rensselaer Polytechnic Institute in Troy, New York. It was the first fraternity founded expressly for engineers. In 1905, the first Midwest chapter of Theta Xi was founded at Indiana's other engineering school, Purdue. Theta Xi became the third fraternity on the Rose campus on March 30, 1907. Today, due to several fires and the need for larger housing accommodations, Theta Xi is located at 902 South Sixth Street, where it has enjoyed prosperity for almost thirty years.

The Kappa Chapter has grown using the standards of selecting a man for himself, for what he is as a person. Members are diverse individuals, not plaster casts from one mold. This diversity enhances the brotherhood of the fraternity, rather than detracting from it. No one loses his individuality in the crowd, but is encouraged to develop more fully while adding to the responsibilities of membership in a group.

Theta Xi had a wide range of social activities this year. Social highlights ranged from the third annual Beach Party (complete with sand and bikinis in the basement) to the always unforgettable Winefest celebration of the end of the second quarter and beginning of spring. The social year though was not complete without an occasional Quarter Bar, Hairy Buffalo or a Trade Party with an ISU sorority.
Theta Xis participate in more than social events. They are involved in Student Government, Tau Beta Pi, AICHE, Omega Chi Epsilon, ASME, ASCE and the band. All members also participated in the intramural athletics, where oftentimes the goal of Theta Xi is to have fun, and not just to win.

The members of the Kappa Chapter of Theta Xi found much fulfillment from this year's activities and look forward with great anticipation to next year's experiences, which are sure to bring many rewards for the individual and the chapter.
Scarace visits a dance. Champagne doesn't flow just on New Year's Eve at Theta Xi.

"Everybody dance!"
Triangle
1979
Rose-Hulman
Institute of Technology
Beginning a second decade of participation and involvement at Rose-Hulman, the Rose Tech chapter of Triangle set off in the right direction with the activities of 1978-79. An increase in both campus and community involvement, as combined with a stronger sense of building and working together, has brought Triangle to many of its goals both internally and externally.

Kicking off the social year in the fall quarter with the traditional Casino party, the brothers then moved on to bigger and better activities, ending the social spin with front row seats at the Homecoming concert. Through the year the pace continued, with the live bands at the Maze and Voodoo dances and picnics with little sisters and sororities in the spring.

'Tis not all the party life, however, as Triangle also participated in many activities of benefit to the Terre Haute community. With a heavy push from within, the brothers first built a new fair booth for the Vigo County Mental Health Association. Continuing the service spirit, Triangle also received recognition from the Central Indiana Regional Blood Center through the IFC by having the greatest percentage of blood donors of any participating organization in both the spring and fall drives. In addition to these special activities, Triangle once again produced the indispensible campus directory, the Gray Book, and presented the 13th annual Teacher of the Year award to Dr. Keith Hoover at Founder's Day.

Individuals in Triangle excelled across campus, in such varied activities as Band, Drama Club, Glee Club, the Thorn, Student Government Association, Student Activities Board, Blue Key, Tau Beta Pi and many professional organizations.

Triangle participated heavily in all intramural sports seasons, with special success in the bowling and volleyball areas. In addition the brothers played football, softball, and basketball, with individuals setting the pace in tennis, racquetball, and ping-pong.
Greek Weekend came along in the spring, as it usually does, and once again the brothers enjoyed themselves as they attempted to break the jinx of the past few years. Although the fraternity's teams just couldn't seem to get anything together for the athletic side of the events, despite the second annual pre-pyramid warm-up session, other facets of the day became the outstanding memories. Repeating history, Triangle brought home the Songfest trophy for the first time since the fraternity was very young — now it remains to keep it.

The young ladies of Terre Haute's other schools, St. Mary's and Indiana State, participated in quite a few activities with the brothers in the past year. A newly revived Little Sister organization held strong rush and added more than ever before to the Triangle world. The women of Alpha Sigma Alpha sorority at State were involved in many of this year's social and service activities, including an "unavoidable" house raid.

Proud Triangles sing their way to a trophy in the Songfest competition.
And with a push the exchange is complete.

Looking back on the year, Triangle has especially emphasized its ideals and traditions. Once again becoming a "force to contend with" on the extra-curricular scene, the brothers and pledges are looking to the coming year to further strengthen and reinforce the ties of brotherhood that bind us all together.

Triangle presents the Outstanding Teacher Award to Dr. Keith Hoover.
I.S. Who?

Some may wonder why space would be given to another college, and some might even hate the idea, but congratulations are in order to the ISU basketball team for its remarkable season. They brought Terre Haute (potholes, GTE and all) together like nothing else ever did - even Rose joined in. Some people at Rose might have despised their streak (I KNOW some did), but most were behind them all the way. The night when Bob Heaton sank that half-court desperation shot, I felt Blumberg rumble. And some felt that Larry Bird was a bit overrated. Perhaps he was, but he WAS good, and he was the spark of the team. Their commendable effort put Terre Haute on the map.

You can say what you want, but I was there when the team returned to Terre Haute from the NCAA playoffs, along with hundreds of fans - and Rose was well represented.
Loyal fans at the ISU team's homecoming from the NCAA finals.

The windows say it all!

They lined up for miles to see their heroes return from Utah.
The 1978 Engineer football team became the fifth straight Rose-Hulman gridiron squad to achieve a winning or break-even season. As coaches and players reviewed the 5-4-1 season, an overall good feeling prevailed. Yet, there was the nagging thought that the Engineers could have finished with as many as two more victories.

But, of course, without three miracle finishes, the Engineers could have suffered three more losses and a resultant disastrous season.

If one were to use one word to describe the season, the word would be E-X-C-I-T-I-N-G!! With capital letters and exclamation points, no less!

The excitement (at least from the Engineer point of view) came as early as the last six minutes of the opening game at Olivet, Michigan, and continued through the 49-40 aerial shootout with eventual College Athletic Conference champion Southwestern at Memphis in the final game of the season.

Trailing 21-6 with a third of a period remaining, the Engineers employed a 60-yard "flea-flicker" play, a fake punt, a fake PAT and superior conditioning to turn back the already celebrating Olivet hosts 22-21. Most of the same tricks worked the next week as the Engineers out-thought and out-played DePauw 20-18. The 21-8 loss to NCAA Division III runner-up Wabash in the third game was by no means a disgrace, but the scoreless tie at Hanover the following week was one of the games the Engineers would have liked to replay on any weekend all fall.

The team rolled over Principia 55-6 and staved off a late charge by Olivet Nazarene 18-13 before suffering the most stinging setback of the season — a 27-15 setback to the underdog Earlham Quakers, a 1-4 ball club at the time. The sting of the upset at Earlham was relatively short-lived as the Engineers rallied from a 29-13 deficit at Centre the next weekend to win in an historic way. With a third down situation and nine seconds remaining on the clock, quarterback Dan Haas bounced a lateral to flanker Jim Enloe. Thinking it was an incomplete pass, the Colonel defense relaxed momentarily and watched haplessly as Enloe threw to freshman tight end Ben Young in the end zone for the winning touchdown.

The bounce pass was only one of a number of trick plays in the Engineers' bag. Other "tricks" included a number of "flea-flickers", halfback and flanker passes, fake punts, fake PAT, etc. The tack not only kept opponents on their toes, but added zest to practices where these plays were perfected.

The Sewanee game was so disappointing for the Engineers, we'll only share the score (21-14). The season was concluded with an aerial blitz as Southwestern quarterback Craig Solomon threw a record 63 passes enroute to a 49-40 victory over the Engineers.

Scott Lindner, a sophomore defensive end who led the team in tackles, was voted the most valuable player. Senior offensive guard Nick Willing earned third time Division III All-America honors, while nose guard and classmate Rick Matovich was a College Division Academic All-America.

Senior Bob Burwell led the nation (all divisions) in punting with a 44.9 average and drew the attention of professional scouts. Willing, Burwell and Lindner were named to the All-CAC squad.
Juniors Dan Haas and Kurt Pfanstiel shared the quarterbacking chores for a third year and helped Mark Kaufman become the all-time leading pass receiver at Rose as a junior. Jay Cassady was the leading rusher and freshman classmate Ben Young came on strong as a receiver as both received the Underclassmen awards.

Mark Kaufman breaks into open field after a reception.

<table>
<thead>
<tr>
<th>Rose-Hulman</th>
<th>1978 Results</th>
<th>Opponent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept.</td>
<td>9</td>
<td>at Olivet, Mich.</td>
</tr>
<tr>
<td>Sept.</td>
<td>16</td>
<td>DEPAUW</td>
</tr>
<tr>
<td>Sept.</td>
<td>23</td>
<td>WABASH</td>
</tr>
<tr>
<td>Sept.</td>
<td>30</td>
<td>at Hanover</td>
</tr>
<tr>
<td>Oct.</td>
<td>7</td>
<td>*Principia</td>
</tr>
<tr>
<td>Oct.</td>
<td>14</td>
<td>at Olivet Nazarene</td>
</tr>
<tr>
<td>Oct.</td>
<td>21</td>
<td>at Earlham</td>
</tr>
<tr>
<td>Oct.</td>
<td>28</td>
<td>*at Centre</td>
</tr>
<tr>
<td>Nov.</td>
<td>4</td>
<td>*at Sewanee</td>
</tr>
<tr>
<td>Nov.</td>
<td>11</td>
<td>*SOUTHWESTERN</td>
</tr>
<tr>
<td>Total Points</td>
<td>223</td>
<td></td>
</tr>
</tbody>
</table>

*Denotes Conference game

1978 Record 5-4-1

1978 Results

2-2-0 in CAC
Terry Peak skirts outside for good yardage.

Scott Lindner (87) and an unidentified teammate dump a foe.

Bob Burwell shows the form of the nation's leading punter.
The soccer team, competing as a varsity team for the first time in the fall of 1978, posted a successful 5-5-1 season. Playing mostly club teams, the squad rallied for a tie in the Engineers’ third game and entered the win column for the first time with a 5-3 victory over Indiana State University’s club team. Any Rose team that scores five goals against ISU in any sport is to be commended.

Another highlight came in the College Athletic Conference tournament, with the Engineers defeating Sewanee 4-3 in a shootout (overtime) to finish fourth in the CAC.

Coach Jim Rendel, who now has headed four different sports at Rose-Hulman, predicts improvement from the team which loses only Andy Klotz to graduation. Improving the inaugural season won-loss record may be difficult to do inasmuch as the team will compete in the rugged Indiana-Illinois Collegiate Soccer League next year.

Good leadership was provided by veterans Ray Farmer, Bob Froetscher and Blair Hughes. Froetscher and Farmer were voted the most valuable players; Froetscher was the team’s high scorer. Froetscher, Eric Mooney and Steve Wirtz were named all-conference players in the CAC, a conference which has had good soccer since its organization in 1962.

The adding of soccer to the varsity scene was the first expansion since the early 1960s and came about largely through the efforts of Farmer who carried the club’s proposal to the athletic committee and school administration.

A dedicated following supported the soccer team in its first year at Rose.

<table>
<thead>
<tr>
<th>Opponent</th>
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</thead>
<tbody>
<tr>
<td>St. Meinrad's</td>
<td>2-1 L</td>
</tr>
<tr>
<td>Wabash</td>
<td>5-0 L</td>
</tr>
<tr>
<td>ISU Evansville</td>
<td>1-1 T</td>
</tr>
<tr>
<td>ISU</td>
<td>5-3 W</td>
</tr>
<tr>
<td>Franklin</td>
<td>1-0 W</td>
</tr>
<tr>
<td>St. Meinrad's</td>
<td>4-2 W</td>
</tr>
<tr>
<td>Franklin</td>
<td>2-1 W</td>
</tr>
<tr>
<td>Principia</td>
<td>3-2 L</td>
</tr>
<tr>
<td>Sewanee</td>
<td>(OT) 4-3 W</td>
</tr>
<tr>
<td>Centre</td>
<td>2-1 L</td>
</tr>
<tr>
<td>Southwestern</td>
<td>2-0 L</td>
</tr>
</tbody>
</table>

Final Record 5-5-1
After claiming two straight College Athletic Conference championships and subsequent NCAA tournament bids, Rose-Hulman's basketball team dropped to 15-13 and a second place finish in the CAC during the 1978-79 season.

According to Coach John Mutchner, "It was supposed to be a rebuilding year and it was. I am pleased that we did manage to have a winning season."

The Engineers finished the season on a strong note by winning the last four games. The competition was tough during the season, with no fewer than eight opponents nationally ranked at the time the Engineers played them.

Rebuilding is usually a painful experience, but not so for the Engineers. They opened the season in paradise...literally. The predominately freshman-sophomore team tipped off the season in beautiful Hilo, Hawaii and played some very good basketball against two of the country's better small college teams.

At the University of Hawaii-Hilo, the Engineers played before more than 5,000 partisan fans, bowing 95-81. The class of the Engineer athletes (and more particularly their coach) was apparent throughout as the guests from Indiana accepted bad calls by the officials and a vociferous crowd as "part of the game of basketball."

In a post-game interview with a sportswriter from Hawaii's leading daily newspaper, Mutchner was asked if the officiating was as bad as coaches from the mainland were claiming. Mutchner's answer was concise: "If we were playing at home this afternoon, we would have won this one."

The same day another mainland coach blasted the officiating, and for some reason the Honolulu papers sent their photo staff and top reporters to cover the Engineers' game at Chaminade (ranked fourth in NCAA Division III at the time) and Brigham Young University. The Engineers defeated BYU-Hawaii and then spent four days of leisure on the beaches of Hawaii. Alumnus E. E. "Johnny" Black, '11 hosted a party for the 100-person Rose-Hulman group at Hawaii's most exclusive club — an extra touch of class for what must be rated as the finest trip ever taken by the well-traveled Engineers.
Tom Gustus gets a step on a defender.

Dave Strange shows his "pure shooter" touch.

Mark Givan double pumps for a layup.
Jim Baske gets a ‘‘bunny’’ from five feet.

George Bowman shows good form from the side.

After a ‘‘jet lag’’ loss to Blackburn less than 24 hours after their return to Terre Haute, the Engineers won seven of eight games and it appeared that the school’s third straight NCAA bid was in the offing. The Engineers lost to eventual NCAA tournament finalist Centre and DePauw and Division II power Eastern Illinois in road games before dropping six consecutive games when power forward Ron Dale was sidelined with a foot injury.

The Engineers best performance of the year came at Eastern Illinois. Everyone played his role as well as he could be expected and with slightly less than five minutes to go, the visiting Engineers were within five points of the Panthers. Eastern’s size, quickness and superior bench paid off coming down the stretch. There was no sadness in the Engineer dressing room after the game, for everyone concerned knew the team had demonstrated the relative difference between top clubs of Division II and Division III. And Mutchner knew that the guarantee from revenue-conscious Eastern had fed his 16-man squad for nearly half of their meals on the earlier Hawaii trip.

Dale emerged as the team leader by averaging 18 points and six rebounds per game and was voted the team’s most valuable player. Unfortunately, his true value to the team was not full realized until his untimely injury which contributed heavily to the six-game skid.

Senior center Jim Boerger came into his own, averaging 10.3 points and 9.1 rebounds per game. In those contests when ‘‘Boogs’’ was especially keyed, he also was deft at stealing less than pinpoint passes by opposing point guards and often displayed good speed for a big man on the Engineers’ fastbreak. Others who contributed heavily were forward-guard Dave Strange and guard Jim Baske in solid double figures and point guard Mark Givan, who served as floor general and had a .914 free throw average. Freshman Ed Sudlow started in a majority of the games and approached double figure scoring toward the end of the season. Top reserves included transfer George Bowman, whose eligibility was completed this year, and guard Jerry Czannecki.

With the return of all but Boerger and Bowman, the Engineers’ prospects for next year are encouraging.
Opponent
at Hawaii-Hilo  95-81 L
at Chaminade   96-83 L
at Brigham Young 99-91 W
at Blackburn    72-68 L
at Greenville   89-62 W
at Illinois Tech 71-66 W
DePauw         91-66 W
at Kenyon       79-70 W

Rose-Hulman Invitational
Concordia       82-79 L
Muskingum (Cons.) 81-71 W
at Earlham      70-62 W
*Principia      82-62 W
*at Centre      109-80 L
at DePauw       76-59 L
*Sewanee        73-71 W
at Eastern Illinois 85-72 L
*at Principia   81-68 W
at Illinois College (OT) 78-77 W
Wabash          79-73 L
*at Southwestern 94-84 L
*at Sewanee     71-66 L
at Hanover      82-71 L
Illinois College 77-76 L
*Centre         56-55 L
at Wabash       102-94 W
*Southwestern   83-75 W
at MacMurray    93-72 W
Blackburn       89-56 W
15 wins, 13 losses
4-4 conference
*denotes conference game

ABOVE: Bowman goes for two! TOP: The Engineers go Hawaiian. MIDDLE: Dale outreaches them all! BOTTOM: Coach Mutchner seems pleased with the Engineers’ performance in Hawaii.
Cross Country

The cross country team, which has either won or placed second in the College Athletic Conference every year since its entry into the league, slipped to third place in 1978. The team’s dual and triangular meet record was 3-6, but the sound performance in the CAC left little doubt that with any kind of a freshman crop, the Engineers will be back in championship form in 1979.

Coach Jim Hargis not only built a steady improvement on the part of the team, but added some fun for the men of the lonely sport with his one-liners. Sophomore Mike McCullough was the leading runner, having posted a best time of 26:47 while scoring a team-high 52 points. Freshman John Whitaker was the second man (26:42 and 48 points), while sophomore Ken Hilk and freshman Dean Billheimer were consistently third and fourth. Billheimer posted the season’s best time — a 26:18 clocking.

The fifth and sixth positions were shared by no fewer than five others, with junior Will Hentzen edging the others in scoring with 40 points. McCullough, who ran the last half of the season with an injury, was named the most valuable runner.
Some outstanding opponents and a snowstorm contributed to the wrestling team settling for a 2-7 record in its second year of varsity competition. And when the season was concluded Coach Dan McGrath had found three outstanding individual performers — one of whom went to the NCAA college division championships.

Victories came over Washington University of St. Louis and Hanover, but close matches with powerful Wabash and DePauw provided signs of hope for future Engineer teams.

Dana Craig (158), Mark Hackney (134) and Steve Kersch (126) were consistent winners in their respective weight classes — the latter being chosen as a wild card choice to go to the NCAA finals at Humboldt State University in Arcadia, California.

Kersch and McGrath traveled to the nationals, with Steve losing his first match. He was not given a chance to qualify in the wrestle-backs in the nationals, but served notice that he would be a wrestler to be reckoned with in years to come.
The rifle team broke a number of records as the Engineer sharpshooters fired their way to an historic 58-4 season in 1978-79.

The team, which was coached for the last three years and the early season this year by the colorful Sgt. Homer Hungerford and later by Sgt. Bob Scheifknecht, was beaten only by four NCAA Division I schools which either scholarship very heavily or are located in “rifle country USA.” Two teams from the Air Force Academy, Eastern Kentucky and Murray State were the only teams to defeat the Engineers — and then only by the slimmest of margins.

But just the same, the Engineers displayed dominance over big name schools such as Ohio State, Illinois, Indiana, Purdue, and the University of Missouri. Before the season was completed, experts were saying at least two Rose-Hulman shooters — juniors Chuck Leddon and Gary Meier — possess the potential to be Olympic class competitors.

The Engineers finished third in a field of 15 in the NCAA Sectional hosted by the U. S. Air Force Academy. Air Force finished 1-2.

This year’s sectionals were shot in the more difficult “full course” mode where four instead of two targets are used in each of the three positions (prone, kneeling and standing). The team established a school record in the Midwest Indoor Kemper-Camp Perry Championship in Booneville, Missouri, by firing 2,204 out of a possible 2,400 score. The previous record of 2,184 was set in the Walsh Invitational in the fall.

Leddon established a school record with a 287 out of 300 quarter course score against the University of California at Davis. Leddon, Bruce Ziegler and Mike Rasmussen each had perfect scores of 100 in the prone positions, the former in the California match, while the latter two were “perfect” at the sectional at Air Force.
Meier and Gryga sharpen up on Rose's indoor range.

Aiming for the bull's eye.
Tennis

Despite the fact that members of the school’s top administration have shown a keen interest in tennis and a number of physical improvements were made possible through a gift from an alumnus, the 1979 tennis season was one of rebuilding for the 4-4 Engineers.

Except for 9-0 romps over St. Joseph’s and Marian in the early season, the team won alternating matches as competition stiffened the last half of the season. The Engineers placed fourth in the College Athletic Conference and ninth in the Little State meet.

Sophomore David Boodt and freshman Keith Hightower were the most consistent players and were accorded most valuable player honors. Junior Mark Tyrrell was the team captain.

The predominant freshman-sophomore team showed improvement from fall to spring, largely due to work at the Terre Haute tennis bubble and the help coach Joe Touchton received from knowledgeable assistants Dr. Gerry Matsumoto of mechanical engineering and Dr. Duane Bruley, vice president for academic affairs.

Opponent
IU-PUI 5-4 L
St. Joseph’s 9-0 W
Marian 9-0 W
Wabash 9-0 L
St. Joseph’s 9-0 W
ISU-Evansville 6-3 L
Franklin 5-4 W
DePauw 9-0 L
CAC Tourney 4th
Little State 9th


MVP Dave Boodt works out in the tennis bubble.
Golf

There are seldom any spectators on the course. And unlike all other sports, the coach is prohibited from doing any actual coaching during the course of a match. But, nevertheless, golf is highly competitive and the Engineers make a representative showing in small college circles.

The Engineers have one of the few Ph.D. coaches in Dr. Glenn Baca and Hulman links is one fine place to call home. The Engineers won dual meets over Wabash and DePauw in 1979 and also won their own invitational at Hulman. The team also finished a respectable third in the College Athletic Conference.

Senior Todd Hand played consistently all year for the Engineers and was named the most valuable golfer. Freshman Tom Chorba also played well, finishing first among Engineer golfers in three tournaments, while senior Steve Thompson had the lowest round of the year — a 76 in the College Athletic Conference.

Individual highlight was the hole-in-one by junior Chris Lindhjem in the Indianapolis Invitational at the Coffin Course. The tournament’s first hole-in-one was made in 28-degree weather in the snow.

Todd Hand perfects his swing.

<table>
<thead>
<tr>
<th>Tournaments</th>
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<tbody>
<tr>
<td>RHIT Invitational</td>
<td>1st</td>
</tr>
<tr>
<td>St. Louis Invitational</td>
<td>3rd</td>
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<tr>
<td>DePauw Invitational</td>
<td>7th</td>
</tr>
<tr>
<td>Indianapolis Intercollegiate</td>
<td>10th</td>
</tr>
<tr>
<td>RHIT Spring Invitational</td>
<td>1st</td>
</tr>
<tr>
<td>CAC Tournament</td>
<td>3rd</td>
</tr>
<tr>
<td>Dual Meets</td>
<td></td>
</tr>
<tr>
<td>Wabash</td>
<td>330-341 W</td>
</tr>
<tr>
<td>DePauw</td>
<td>219-224 W</td>
</tr>
</tbody>
</table>

Baseball

The Engineer baseball team came up with one of its best seasons in years in 1979, finishing 13-12 during the regular season and second place in the College Athletic Conference.

While the team was not successful in winning a single exhibition game on the Georgia-Florida trip, the practice games, sun and trip to Disney World more than offset some poundings in "baseball country."

Highlight of the season came in the CAC where the Engineers came within a "bad call at second" of being the team to beat. Leading 5-4 in the seventh, second baseman Keith Oehlman knew he tagged Southwestern's well-known Craig Solomon (Solomon later admitted being "out by two feet"), but the umpire called it otherwise and a single later, the Lynx were in the driver's seat.

The Engineers refused to fold and pounded Centre 7-3 in the next game (again, calls and ground rules at scenic Sewanee field were unnerving). First Jay Gehring pounded a ball high into the trees in right field. Home run! No, ground rule double. Then Oehlman placed a similar blast into the trees in left. It wasn't until Bob Burwell slammed one over the head of the centerfielder (alas, no trees) that spectators came to realize the Engineers were for real.

Burwell and Marty Schramm were voted co-MVP, while Oehlman was the leading hitter (.342) and had the top earned run average (2.8). John Brabender was the home run king for 1979 (5), while Steve Hill was the leading pitcher (4-1 record) and strikeout leader (33).
MVP Schramm slices one foul.

<table>
<thead>
<tr>
<th>OPPONENT</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valparaiso</td>
<td>1-0 L</td>
</tr>
<tr>
<td>St. Mary’s (Wis.)</td>
<td>3-2 L</td>
</tr>
<tr>
<td>Butler</td>
<td>4-2 L</td>
</tr>
<tr>
<td>Wabash</td>
<td>10-0 L</td>
</tr>
<tr>
<td>Washington-St. Louis</td>
<td>6-3 W</td>
</tr>
<tr>
<td>DePauw</td>
<td>8-1 W</td>
</tr>
<tr>
<td>MacMurray</td>
<td>4-1 L</td>
</tr>
<tr>
<td>Indiana State</td>
<td>5-4 L</td>
</tr>
<tr>
<td>Illinois College</td>
<td>17-3 L</td>
</tr>
<tr>
<td>Franklin</td>
<td>4-0 W</td>
</tr>
<tr>
<td>Marian</td>
<td>6-7 L</td>
</tr>
<tr>
<td>I. U.-P. U. I.</td>
<td>7-6 W</td>
</tr>
<tr>
<td>Marian</td>
<td>14-3 W</td>
</tr>
<tr>
<td>Marian</td>
<td>8-3 L</td>
</tr>
<tr>
<td>Marian</td>
<td>3-2 W</td>
</tr>
</tbody>
</table>

C.A.C. TOURNAMENT
(Order of finish)

| Southwestern            | 6-5 L     |
| Rose-Hulman             | 7-3 W     |
| Centre                  | 3-0 W     |
| Principia               | 8-6 W     |

The 1979 track team went undefeated in 10 dual and triangular meets and won both the NCAA Division III Midwest Indoor Meet and the College Athletic Conference championship — a banner year in which no fewer than 15 records fell.

Coach Bob Thompson was justifiably proud of his team's efforts as the Engineers were clearly the toast of small college track and field in the Midwest. Close calls came in the Midwest Indoor where the Engineers edged a strong Albion, Michigan, team 143-138 1/2 and the CAC where the Engineers prevailed by some 14 points over runner-up Principia.

During the indoor season seniors Dave Tappendorf and Eric Clouse teamed with freshmen Tony Lenox and Rex Phillips in establishing a mile relay record of 3:28.47, besting the old record of 3:33.83 in 1978. Sophomore Jim Novacek set the indoor pole record at 15 feet three and one-half inches and later upped his own outdoor mark to 14 feet nine inches. The 15-foot vault qualified him for the NCAA championships.

Lenox broke three indoor records — a 32.20 in the 300-yard dash, a 51.10 in the 400-yard dash and a 1:16.25 in the 660 run (it sure looked like a dash!). Classmate John Whitaker established a 2:22.83 mark in the 1000-yard run, while another freshman, Randy Hancock, clicked off a record-tying 5.5 in the 50-yard dash.

But just as it appeared the Engineers had the potential to make the NCAA championships in the relays, senior Clouse contracted mononucleosis and missed the outdoor season. Nevertheless, Jay Cassady joined Hancock, Tappendorf and Lenox in breaking the 440 relay and mile relay mark with 48.80 and 3:20.25 times respectively. Neither was good enough to qualify the team for the nationals.

Other outdoor records included the tying of the 6-6 high jump mark by freshman Scott Maxwell and the establishing of a 194 foot, five inch javelin record by Blanket Award winner Matt Hodson.

Although the entire season was probably the school's best ever, the team effort and some outstanding individual performance in the College Athletic Conference meet on a five-lane cinder track at Sewanee, Tennessee, was the highlight of the season.

Perhaps Athletic Director John Mutchner summed up the track and field accomplishments best: "Everybody performed as well as he could . . . and I think Dave Tappendorf put on as good an individual effort as I've ever seen at Rose." And Mutchner has been around Rose a long time.

Mitt Hodson goes up ... and over.

Tony Lenox "digs in" after taking handoff from Dave Tappendorf.

Jack Wickham appears to be napping over the bar at six feet plus.
Tom Pendergast's face mirrors his disappointment with his jump.

“A-a-h-h-h-h!” screams Fiscus as he tosses the shot.

<table>
<thead>
<tr>
<th>INDOOR SEASON</th>
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<tbody>
<tr>
<td>Evansville</td>
<td>90-41 W</td>
<td></td>
</tr>
<tr>
<td>DePauw</td>
<td>79-52 W</td>
<td></td>
</tr>
<tr>
<td>Anderson</td>
<td>88-43 W</td>
<td></td>
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<thead>
<tr>
<th>OUTDOOR SEASON</th>
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<tbody>
<tr>
<td>Hanover</td>
<td>82½-71½ W</td>
<td></td>
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<tr>
<td>Wabash</td>
<td>82 ½-72 W</td>
<td></td>
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<tr>
<td>Franklin</td>
<td>120-45 W</td>
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<tr>
<td>St. Joseph's</td>
<td>120-23 W</td>
<td></td>
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<tr>
<td>Manchester</td>
<td>87-68 W</td>
<td></td>
</tr>
<tr>
<td>Anderson</td>
<td>87-48 W</td>
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</tr>
<tr>
<td>DePauw</td>
<td>98-65 W</td>
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<tr>
<th>NCAA DIVISION III MIDWEST INDOOR INVITATIONAL</th>
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<tr>
<td>Rose-Hulman</td>
<td>143</td>
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<tr>
<td>Albion College</td>
<td>138½</td>
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<tr>
<td>Illinois Benedictine</td>
<td>80½</td>
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<tr>
<td>DePauw</td>
<td>49</td>
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<tr>
<td>Millikin</td>
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<td>Blackburn</td>
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<td>Capital</td>
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<td>John Carroll</td>
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<tr>
<th>CAC OUTDOOR CHAMPIONSHIP</th>
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<tbody>
<tr>
<td>Rose-Hulman</td>
<td>116½</td>
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<tr>
<td>Principia</td>
<td>102</td>
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<tr>
<td>Centre</td>
<td>41½</td>
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<tr>
<td>Sewanee</td>
<td>14</td>
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<tr>
<td>Southwestern</td>
<td>12</td>
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<tr>
<td>RELAYS</td>
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<tr>
<td>Rose-Hulman Relays</td>
<td>2nd</td>
<td></td>
</tr>
<tr>
<td>Little State</td>
<td>3rd</td>
<td></td>
</tr>
<tr>
<td>DePauw Invitational</td>
<td>1st</td>
<td></td>
</tr>
</tbody>
</table>

Ken Hilk (right) takes a lead in the steeplechase.

Stroder's face belies his serious attitude.
Bob Burwell and Matt Hodson were presented coveted Ruel Fox Burns Blankets as the members of the Class of 1979 who contributed the most to the varsity athletic program during their careers at Rose-Hulman. The two earned a total of 16 letters.

Burwell led the nation in punting with a 44.9 average and was a starter at tight end as he lettered four years in football. He also played four years of baseball and was MVP twice on the diamond (.388 stick and five home runs in 1978). The big man from Louisville thoroughly enjoyed his role in a number of Engineer trick plays — in particular, the sneak run for PAT and the pass from punt formation.

Hodson played four different positions in football and was voted the most improved sophomore in 1976. He was co-captain of the football team as a senior and was the leading tackler (62).

In track, Hodson pole vaulted, ran the hurdles and threw the javelin. He set the school record in the javelin with a 194 foot, six inch effort as a senior and also completed in the decathlon, scoring 6,062 points.

Dr. Jess Lucas, vice president for student affairs and dean of students, received the Old Jock Award, an annual presentation for outstanding athletic support. This year was a good one for the Engineers, who finished second overall in the College Athletic Conference. Indiana University football coach Lee Corso was the featured speaker at the all-sports banquet.

### Athletic Awards

**FOOTBALL**
- MVP: Scott Lindner
- UNSUNG HERO: Jim Obergfell
- COACHES AWARD: Nick Willing
- OUTSTANDING UNDERCLASSMEN: Ben Young, Jay Cassady

**CROSS COUNTRY**
- MVP: Mike McCullough

**SOCCER**
- MVP: Bob Froetscher, Ray Farmer
- LEADING SCORER: Bob Froetscher
- ROOKIE OF YEAR: Eric Mooney

**BASKETBALL**
- MVP: Ron Dale
- REBOUNDER: Jim Boerger
- FREE THROW: Mark Givan
- ASSISTS: Jim Baske

**WRESTLING**
- MVP: Dana Craig

**RIFLE**
- MVP: Chuck Leddon

**GOLF**
- MVP: Todd Hand

**TENNIS**
- MVP: Keith Hightower, David Boodt

**BASEBALL**
- MVP: Bob Burwell, Marty Schramm
- BATTSING: Keith Oehlman
- ERA: Keith Oehlman

**TRACK**
- FIELD MVP: Steve Stroder
- RUNNER MVP: Dave Tappendorf
- SCORER: Dave Tappendorf

Blanket winner Bob Burwell is flanked by coach Joe Touchton and Terry Murawski.

Blanket winner Matt Hodson is centered between coach Joe Touchton and Bob Thompson.
And this is how Bruce Sutter got started?

Another Terry Bradshaw

Left: Boy this is fun

Right: Bouncey, Bouncey, Bouncey

Intramurals

Lambda Chi Alpha continued its domination of the Rose-Hulman intramural scene in 1978-79 by winning five team championships and the overall IM trophy.

Lambda Chi teams won major and minor football, major and minor volleyball and track and field. Other team winners were independents in major basketball and bowling, Fiji in cross country and Alpha Tau Omega in minor basketball.

Alpha Tau Omega placed second in overall team standings, followed in order by Fiji, Independents and Sigma Nu.

Intramural participation included 11 activities (the number of teams and individuals are in parenthesis): tennis tournament (0-118), racquetball tournament (0-82), basketball one-on-one tournament (0-29), free throw contest (0-27), cross country meet (10-79), track meet (8-79), football (23-345), bowling (42-294), basketball (51-507), volleyball, (38-380), softball (38-615).
Just like Larry Bird

I'm supposed to hit this?

Can you tell who's not going to get the ball?
J. Carl Agee  Bruce E. Anderson  Michael Argo
Buddy T. Atherton  Robert B. Baker  David R. Bakken
Brian E. Barbieur  William Beard  Paul H. Benefiel
Paul N. Bischoff  Timothy Blankenbeker  Tab Alan Boaz  James G. Boerger, Jr.  James R. Bradley
Everett M. Branam  David H. Bridge  Steve M. Brockman  Kenneth Burch  Roger M. Burger
Robert L. Thiel  Anthony Thompson  James A. Tipton  Timothy R. Tromley  Charlie R. Urbanowich

Randy J. Vaal  Terance Walsh  Michael D. Warne  Mark D. Weber  Jeff Wells

Henry E. Werling  Jeffrey R. Werth  John D. West  Roger A. Wheeler  Jeff L. Wigand

Nick Willing  Tom Wiltrout  William J. Winslow  Robert L. Wooden  Lonnie G. Yeager


James B. Yinger
Class Of '80

Randal D. Ames
Philip R. Amick
Ronald C. Anderson
Stephen Anderson
David E. Ashwill
William G. Atterbury

Jeffrey P. Ausman
Patrick Avery
Robert D. Bagby
Scott R. Bagwell
Chris Bodenhorn
Dan Bowers

George Bowman
Darl G. Boysel
Mark Brockman
Philip R. Brown
Thomas J. Bruns
Mike Burrington

Robert C. Buttry
Dennis Byram
Philip Cagle
Paul Cain
Bruce A. Campbell
J. Timothy Campbell

Robert L. Carlson
Dave Caudill
David A. Challis
Chris Chulumovich
William R. Cooper
Paul Curtin

Eric Dansker
Kendell R. Davenport
David P. Dinwiddie
Dwight Dively
Joseph Doerr
Curtis A. Dunlap

Jeffrey S. Dunn
Lee A. Dunn
Brad T. Durchoz
Steven R. Eckert
Jon S. Edmondson
Rodney Ellermann
William F. Evans
William G. Fanning
Raymond Farmer
David D. Finley
Gerald L. Fish
John P. Foley

Frank T. Fort
Vincent W. Foushee
Eric R. Fox
Stan Fraley
Robert C. Froetscher
Ted Curtis Fultz

Meredith L. Gafford
Joe S. Gaines
Robert W. Gann
Terry L. Gatewood
Jay E. Gehring
Gregory H. Gemmer

Jeffrey S. Gilton
Mark D. Givan
Bruce Glaser
Joseph R. Glazier
Frank Golden
John Green

Kevin Green
Steven K. Griffith
Tim Guetersloh
Thomas J. Gustus
Daniel J. Haas
Peter Haines

W. Rick Harris

Matthew Harter

Some days are real laid back . . .

Daniel Hatten
and some days have you climbing the walls.

Paul Heit
Gregory L. Hemmer
Thomas Henman, Jr.

William Hentzen, Jr.
Richard Hill
Dave Hinman
Jon Hinnefeld
Eric Hoierman
Dave Hollinden

Scott A. Hueber
David Hummel
James Huston
Chris L. Isbell
Dale E. Johnson
Kevin D. Johnson

Mike Johnson
Damon L. Jones
Donald Jones
Gene H. Jones
Rex W. Joyner
Robert Kaminsky

Mark S. Kaufman
Kirt Keesling
Kim Kixmiller
Thomas E. Klassen
Mike Knoble
Jeffrey C. Koechling
Class of '82

Judson W. Alexander
Lawrence Alldredge
Gerard J. Alonzo
Joel S. Anderson
Steven E. Bandy
Kevin L. Bartley

Mark J. Bates
James R. Beamon
Scott A. Beasley
Gordon L. Bechtel
Curt R. Bilby
David D. Blair

David O. Boes
Robert C. Bogusch
Grant Bolling
Kim R. Borgman
Stephen C. Bour
John D. Bouvier

Darrell E. Boyll
David A. Bozarth
Michael D. Brand
John A. Breen
Ben F. Brian
Amahl K. Brown

David R. Brown
Kevin D. Brown
Michael J. Brown
Timothy G. Brown
Joseph O. Broz
Edward A. Bullerdiek

John L. Burkett
Olin W. Calvin
Albert J. Carbon, III
Lynn D. Carnes
Frederick Carpenter
Curtis Carrell

Eric J. Case
Jay W. Cassady
Kevin R. Chaffee
Keith Chambers
James R. Chaney
Gregg A. Charlton
Thomas J. Chorba
Charles Clarkson, Jr.
Michael C. Coleman
Terry J. Collins
Christopher Collison
John S. Crowder

John P. Curtis
Stuart C. Curtis
Kent R. Cutler
Steven A. Daniel
Michael F. David
Mark A. Davis

Mark B. Davis
James E. Deamico
James R. Debruyne
Keith Dehlman
Jay D. Dennis
John A. Dienes

Jonathan M. Diller
Donald W. Dodson
Michael L. Donoghue
Harold G. Dorbin
Robert C. Drummond
Michael R. Dunkel

Vernon W. Edwards
Ralph W. Eggen
Bill Eller
Richard A. Emory
Thomas E. Ennis
Steven D. Felix
Roy E. Landis
Bradley J. Larrick
Sang H. Lee
Anthony G. Lenox
David M. Letteri
Henry S. Lewandowski

Kevin J. Leikhus
Scott A. Linn
David A. Lovell
Chris A. Mack
Robert Maddox
Joseph A. Magno

Stuart J. Marcadis
Nick F. Marietta
Frank R. Marin
John J. Markey
James R. Marshall
Kevin L. Marshall

Jeff A. Mathias
Troy C. Matz
Scott C. Maxwell
James A. Mayes
Michael C. Mazur
David L. McCollum
Rick E. McCoy
John P. McHugh
Bradley R. McKain
Timothy A. McKeown
Robert A. McMillan

Jeff Mekey
Howard K. Menser
Brian A. Michel
Terry D. Miller
John Mulhoff

Mark E. Muri
Gregory D. Muse
Thomas K. Nash
Asaf L. Nasser
Michael G. Neff

Nathan L. Nunaley
David L. Oakley
Bruce D. Oberlies
Donald C. Oberlies
Douglas M. Ogden

Dwight Osha
Dwayne E. Owens
Jon R. Paulus
Stanley T. Peak
Michael F. Pesch

George S. Petit
Darrel M. Phelps
Rex E. Phillips
Russel Phinney
Mark G. Podgorski

Harry M. Preste
Jeffrey L. Prichard
Gary K. Quick
Edwin C. Racop
Royce A. Ramsay
The annual Mattress piling contest is held to prepare students for anticipated housing problems later on.

Robert L. Stanley
Bruce A. Steinbaugh
Perry D. Stephens
Stephen M. Sternberg
Robert W. Stuckey
Edward E. Sudlow

Paul R. Sundberg
Jeffrey A. Sutherland
Michael J. Svenstrup
Daniel A. Swanson
Kenneth R. Swinehart
Michael J. Taylor

Wesley L. Taylor
Kirk J. Teitge
Chris S. Thompson
Jeffrey P. Thompson
Steven S. Thompson
Brian D. Toepfer

Bruce D. Toepfer
Gary A. Totten
Alan G. Turner
Michael W. Udry
Lewis Van Atta
Bryan L. Ventimiglia
The first female is admitted as Rose goes coed.
ADMINISTRATION
The person who is fundamental to the success of the "Blueprint for Excellence" is the president of the institute, Dr. Samuel Hulbert. Dr. Hulbert has everything it takes to lead the institute during such an undertaking — drive, determination, personality, and a way of working with people. With Dr. Hulbert carefully guiding us into the future, one can rest assured that all is well.
Dr. Duane Bruley stands in the position of Vice President — Academic Affairs. His responsibilities include matters that affect faculty and curricular. This entails safeguarding and maintaining the high standards established at Rose-Hulman.

The staff of the John A. Logan Library stand ready and able to assist anyone working on any problem or endeavor that takes them by the library. The library prides itself in providing the best in resources.
Student Affairs

Jess R. Lucas
Barbara J. Butts
Donna Gustafson
Peter Gustafson

Kathy Gambill
Karen Rodgers
Irene E. Mitchell
Terry Murawski

John Mutchner
Linda Flo Sears
James Rendel
Til Panaranto
Food Service and Housekeeping

Students returning for the 1978-79 school year found some major changes in the food service operation. Not all were positive. The new contractor, Macke Foods, made some very good changes in the WORX, but many complaints were heard in the daily food service operation in the line. It was evident by the spring quarter that there would be a different food contractor on campus in the fall. Nonetheless, most students gained weight and the admissions brochure’s claim that scurvy had been eliminated still stood as a valid statement.

Housekeeping rates high marks at Rose. It is nice not to worry about washing your own sheets or sleeping on the same sheets for months on end. The ladies who take care of the housekeeping are very friendly and try to make the residence halls seem like home (without too much mothering or complaining about messy inhabitants).
The development office headed by alumnus and former MODULUS editor Ron Reeves '58 is responsible for the coordination of fund-raising efforts and external affairs of the institute. The four emphases of this administrative division are fund-raising, public information and publications, alumni affairs, parents' association and special events (homecoming, etc.), and placement and corporate relations. As vice president of this division, Mr. Reeves works closely with the president and the development committee of the Board of Managers. His team includes alumni Jim Schwartz '54 in alumni affairs and special events and Gene Zwerner '34 in planned giving, Kent Harris in public information, and Bill Sisson in placement and corporate relations. This unit is the most visible of the "behind-the-scenes" personnel at Rose-Hulman, one which will play a vital role in the "Blueprint for Excellence."
By the time students arrive in the fall of their freshman year they have become very familiar with one of the departments of the school’s administration: the Admissions Office. This is the office that generates loads of mail to prospective students, arranges campus visits, processes applications, and decides who may be admitted and who may not.
Business Office

Robert T. Willets
Stephen R. Miller
Frances Fletcher
Jeanette Ford

Margarette Leusing
Bettie L. Evinger
Margaret Gillaspy
Mary Collier

Lorene Covey
Shirley A. Brown
Brenda Miller
Billie Holechko

Paul Phillips
Betty Phillips
Oscar E. Purcell
David Roy

James W. Scribner
Howard D. Smith
Fred O. Smith
Henry Hoke

Buildings And Grounds
The Business Office is a valuable asset on campus. With the increasing complexity of taxes and other financial matters, it is encouraging to take notice of the highly qualified staff in the business office.

In June 1979, Robert Willets retired as Vice President — Finance. Willets joined Rose in 1965 as Professor of Military Science and took charge of the Business Office in 1969 when he retired from the Service. Stephen R. Miller will continue in the administration as Head of Office Services.

The staff in Buildings and Grounds always have an answer to any problem that is thrust in their direction. They also are the people responsible for taking such great care of the campus. Hats off to the people in B & G.
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Thomas T. Dinkel ME PE
R. Michael Dinkel Associate

Paul M. Isenburg ME PE
Ron Barnes ME PE
Sean P. Keating Associate
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Engineering Design
Construction
Design-Build
Construction Management
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Sophomore Adv.: Resident Asst.: A.S.M.E. 3,4: R.H.A. 1,2,3.

KEY: Senior=4, Junior=3, Sophomore=2, Freshman=1
S.A.B., 1,2,3,4: Alpha Tau Omega.


FOX, PAUL F. A.S.M.E. 3,4: Pi Tau Sigma 3,4: Rose Rifles 1,2: Glee 3,4: Riffle 1: SGA Congress 2: Phi Gamma Delta.

FOX, WALTER R. Tau Beta Pi 4: Lambda Chi Alpha.

FRIZZELL, JAMES W. Sophomore Adv.: A.S.M.E. 3,4: Sigma Nu.

GADOMSKI, GARY J. Lambda Chi Alpha.

GILLMAN, STEPHEN C. A.I.Ch.E. 3,4: Omega Chi Epsilon 3,4: Tau Beta Pi 3,4: Football 1.

GOODMANN, PETER E. Radio (W9NAA) 1,2,3.

GOODWIN, RICKY F.

GRAEBE, ROBERT E. Resident Asst. 4: A.S.M.E. 3,4: Lambda Chi Alpha.


GRANNON JR., JAMES R. A.I.Ch.E. 3,4: Omega Chi Epsilon 4: Alpha Tau Omega.

GUER, JOHN F. A.I.Ch.E. 2.

HAHN, PAUL A. A.C.M. 3,4: I.E.E.E. 3,4: Modulus 3: Thorn 1: D.M.O.M. 2,3,4: Camera 1,2,3,4: Radio (W9NAA) 2.

HANCE, JOSEPH W. Lambda Chi Alpha.

HAND, TODD A. A.I.Ch.E. 3,4: Omega Chi Epsilon 2,3: Tau Beta Pi 4: SGA Congress 4: Golf 1,2,3,4.


HAYES, PAUL V. Astronomy 2: Chess 2: Karate 2,3.

HEATH, DENNIS J. A.S.M.E. 3,4.


HENSON, GREGORY E.

HESS, RICHARD L. A.S.M.E. 1,2,3,4.

HILDERBRAND, JEFFREY E. Sophomore Adv.: A.S.M.E. 3,4: Drama 1,2: Glee 1: Christian Fellowship 1,2,3,4.

HILL, DAILY S. Who's Who 3,4: Honor Key: A.S.M.E. 2,3,4: Blue Key 3,4: Pi Tau Sigma 3,4: Band 1,2,3,4: Flying 4: SGA Officer 3,4: S.A.B. 2,3,4: Sigma Nu.

HODSON, MATTHEW S. Who's Who 4: Honor Key: A.S.M.E. 1,2,3,4: Blue Key 3,4: R-Men's 1,2,3,4: I.F.C. 3,4: Football 1,2,3,4: Track and Field 1,2,3,4: Sigma Nu.


HOLLER, GREGORY N. A.S.M.E. 2,3,4: Golf 3,4.


HUMPHREY JR., ROBERT L. A.I.Ch.E. 3,4: Sigma Nu.


JACKSON, TIMOTHY E. Ho Honor Key: A.S.M.E. 3,4: Pi Tau Sigma 3,4: Band 1,2,3,4: Debate 2,3: SGA Congress 2,3,4.

JACOBS, MICHAEL L. Sophomore Adv.: Resident Asst. 3,4: A.I.Ch.E. 3,4: SGA Congress 2: Tennis 1,2,3,4: Phi Gamma Delta.

JERNBERG, JEFFREY A. A.I.Ch.E. 3,4.

JOHNSON, GERARD M.

KEPNER, WILLIAM M. A.Ch.S. 3,4: A.I.Ch.E. 3,4: Omega Chi Epsilon 4: Tau Beta Pi 4: Soccer 1,2,3,4.

KIRALY, THOMAS E. A.S.M.E. 3,4: Alpha Tau Omega.

KISTLER, BRUCE L. Honor Key: Pi Tau Sigma 4: Tau Beta Pi 3,4: Glee 2,3,4: SGA Congress 4: Wrestling 3,4.

KLEIN, DONALD G.

KLOTZ, ANDREW J. Resident Asst. 3,4: Soccer 3,4,5: Junior Class Vice-Pres.: Senior Class Vice-Pres.

KONTNEY, STEVEN A. A.S.M.E. 4: S.A.E. 1,2,3,4: R.H.R.A. 1,2,3,4.

KRAMER, JEFF


KRONGOLD, MARTIN A. A.S.M.E. 2,3,4: Camera 4: WRTR 2.

KRUPA KENNETH A. A.I.Ch.E. 3,4: Omega Chi Epsilon 3,4: Tau Beta Pi 3,4: SGA Congress 4.

KUNZ, RUSSELL A. A.I.Ch.E. 3,4: Alpha Tau Omega.


LAMBRICH, DENNIS E. A.S.M.E. 4: R.H.R.A. 1,2,3,4: Rifle 1,2,3,4.

LARSON, MELVIN G. Christian Fellowship 1,2,3,4.

LINGENFELTER, DENNIS W.


LUKSUS, KEVIN J. Phi Mu Epsilon 3,4: Eta Kappa 4: Tau Beta Pi 3,4.

LYTLE, DANIEL W. Band 1,2,3: Christian Fellowship 1,2: I.F.C. 2: Triangle.

MANN, JAMES E. A.I.Ch.E. 3,4: Astronomy 1: Glee 1,2,3,4: Christian Fellowship 1,2,3,4.

MASON, MARTIN D. A.S.M.E. 2,3,4.

MASON, STEVEN E. Riffle 1,2: Phi Gamma Delta.

MATOVICH, ERIC M. A.I.Ch.E. 3,4: Omega Chi Epsilon 4: Tau Beta Pi 3,4: SGA Congress 2: Football 2,3,4: Track and Field 1,2,3,4.
SKINNER, MICHAEL L. A.S.M.E. 3,4: Football 1,2,3; Baseball 1,2,3,4; Alpha Tau Omega.

SLUPESKY, JAN V. Who's Who 3,4; Phi Mu Epsilon 2,3,4; Eta Kappa Nu 3,4; Tau Beta Pi 3,4; Radio (W9NAA) 1: Christian Fellowship 3,4; S.A.B. 2.


SMITH, GREGORY A. A.Ch.S. 3,4.


SMITH, ROBERT C. A.I.Ch.E. 4: Baseball 3.

SOLAR, JOHN T.

SPEAR, DAVID R. A.S.M.E. 3,4: Basketball 1: Tennis 1,2.

SPENCER, ANDREW R. Track and Field 1.


STARR, WILLIAM G. Sophomore Adv.: Resident Asst. 3: Eta Kappa Nu 3,4; Tau Beta Pi 4: Lambda Chi Alpha.

STEARLEY, DOUG E. Who's Who 3,4; A.S.M.E. 3,4: Blue Key 3,4; Pi Tau Sigma 3,4; Tau Beta Pi 3,4: Rifle 1: I.F.C. 3,4: Rifle 1: Alpha Tau Omega.

STEBERG, WAYNE I. A.S.C.E. 2,3,4: Lambda Chi Alpha.

STERLING, MICHAEL C. A.S.M.E. 3: Rose Rifles 1: Corps of Cadets 1,2,3,4: Christian Fellowship 1: SGA Officer 4: SGA Congress 2,3: Phi Gamma Delta.

STEWARD, JAY S. Astronomy 1,2: Drama 1,2: Physics 1,2,3.

STRATTON, DONALD E. Resident Asst. 3,4; A.Ch.S. 2,3,4; A.I.Ch.E. 3,4: Omega Chi Epsilon 3,4; Tau Beta Pi 4: Quarterly 1: Glee 2,3,4.

SUTHERLAND, HUGH F., II A.I.Ch.E. 3,4: Eta Kappa Nu 3,4: Tau Beta Pi 3,4.

SWINDLER, WILLIAM (BILL) S. I.E.E.E. 3,4: Astronomy 1,2; Band 4: D.M.O.M. 2,3,4: Rifle 1,2.


TAPPENDOV, DAVID W. A.S.C.E. 3,4: R-Men's 1,2,3,4: SGA Congress 3: Track and Field 1,2,3,4.


TAYLOR, EDMUND P. A.S.M.E. 3,4: Band 1,2,3: Triangle.


THIEL, ROBERT L. A.S.M.E. 3,4: Pi Tau Sigma 3,4: Flying 2,3.


THOMPSON, STEVEN D. A.S.C.E. 3,4: Tau Beta Pi 4: Lambda Chi Alpha.


TROMLEY, ROBERT T. Phi Mu Epsilon 3,4: Tau Beta Pi 3,4.

URBANOWICH, CHARLIE R. Lambda Chi Alpha.

VAAL, RANDY J. A.I.Ch.E. 3,4: Karate 2,3: R.H.R.A. 1,2,3,4: Christian Fellowship 1: WRTR 1.


WEBER, BRUCE W. Big Brothers.


WEIL JR., ROBERT A. Radio (W9NAA) 2.


WELRING, HENRY E. A.S.M.E. 3,4: I.F.C. 3,4: Football 1,2: Junior Class Sec.-Treas.: Alpha Tau Omega.


WEST, JOHN D. S.A.E. 3,4: R.H.R.A. 1,2,3,4: Radio (W9NAA) 1,2.

WHEELER, ROGER A. Band 1: Camera 3: Rifle 1: B.I.T. 1,2,3,4.


WILTROUT, THOMAS A. Sophomore Advisor: Resident Asst. 3,4: Honor Key: A.S.M.E. 2,3,4: SGA Congress 3,4: Football 1,2,3,4: Track and Field 1,2,3,4.

WINSLOW, WILLIAM J. A.S.M.E. 2,3,4: Theta Xi.

WOLFE, P. RICHARD A.C.M. 2,3,4: Pi Mu Epsilon 4: Chess 1: Christian Fellowship 1,2,3: B.I.T. 1,2,3,4.


YEAGER, LONNIE A. A.S.M.E. 3,4: Football 1,2,3,4.

YINGER, JAMES B. Astronomy 1,2: Drama 1,2: Physics 2.

ZANETIS, C. CHRIS Honor Key.
LOYAL PATRONS

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Charles Atherton
Robert D. Bagby
Mr. & Mrs. William J. Beard
Joseph Bischof
Art Bitts
Mr. & Mrs. Roger Bixler
Mr. & Mrs. John E. Blair
Mr. & Mrs. Clive H. Bounds
Charles F. Bour
Mr. & Mrs. George D. Bowman
Mr. & Mrs. Everett A. Bozarth
George M. Brand
Mr. & Mrs. Robert L. Brandel
Lillian Breen
Mr. & Mrs. James M. Bridge
Alfred W. Briguglio
Cletus Brinkman
Bonnie L. Brown
Ronald G. Brown
Marvin Burger
Tom Burkett
D. O. Burkey, Jr.
Harold Butcher
B. A. Cagle
Mr. & Mrs. Richard Cahill, Sr.
Dr. O. Walter Calvin and Family
Mr. & Mrs. William E. Carrell
V. W. and E. O. Case
Charles A. Cassady
Mr. & Mrs. Richard Challis
Warren O. Chaney
Thomas Chorba
Mr. & Mrs. Dan Clouse
Cliff & Maxine Coleman
Mr. and Mrs. William F. Collins
Adele & Allen Condon
Roy Cooper
George W. Craig
Mr. & Mrs. Thomas W. Crowe
Michael Darbin
Grace Davis
William H. Davis
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Stanley Dzierzak
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Mr. & Mrs. William Fogel
Lloyd F. Fox
Mrs. Donna Freeland
James Furlette
Vernon & Donna Gallion
Mr. & Mrs. Gary Gardner
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Mr. & Mrs. Woody Giles
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William E. Givens
Mr. & Mrs. Eugene L. Glaser
Mrs. Sam Glazier
Mr. & Mrs. Robert E. Goldner
Mr. & Mrs. Heinz Gosch
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Walter Gregory
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Mr. & Mrs. Clitus Haas
James H. Hagner
Mr. & Mrs. H. Hahn
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Mr. & Mrs. Joe J. Haniford
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Robert L. Haskins
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Mr. & Mrs. Gerald E. Heady
James T. Heathcock
William R. Hentzen
Mrs. Joyce Hickerson
George A. Hightower
Dwight E. Hildebrand
Daily F. Hill
J. H. Hippesteel, M.D.
Dr. & Mrs. Thomas W. Hogan
William L. Hoggatt
Millard D. Hokey
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John C. Lamont
Drussilla Pettyjohn Legg
Henry S. Lewandowski
Jerry Lewis
Mr. & Mrs. Charles Lindner
Billy Lingenfelter
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Mrs. Martha M. Long
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Jack L. McDonald
Mr. & Mrs. Edward McGovern
Thomas McGurk
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Daniel W. Myers
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Mr. & Mrs. Richard L. Nichols
Mr. & Mrs. Glenn Nolan
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Dwight Osha
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James Pray
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Roger R. Pease
Bruce Pelham
John Pelton
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Robert E. Pesch
Mr. & Mrs. George L. Petit
Betty & Clarence Plansiel
Mr. & Mrs. Richard Plumer
Mr. & Mrs. Walter Plassmeier
Mrs. Harold Potter
Mr. & Mrs. I. J. Potter
Gordon Quick
Ted R. Rapp, Jr.
Mr. & Mrs. John M. Rasp, Jr.
Mr. & Mrs. Robert C. Reed
Mr. & Mrs. Tom Reiltenberg
Robert E. Reiltenberg
Dr. & Mrs. Robert J. Roetker
Mr. & Mrs. Russell C. Roll
Charles Rousch
Charles N. Rush
Ewold L. Saunders
Don L. Schifferly
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Mr. & Mrs. M. F. Schick
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James Schuster
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Robert R. Shepard
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James E. Sidnicke
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Mr. & Mrs. Charles Smiley
Mr. & Mrs. Farhan Smith, III
Mr. & Mrs. Harry Smith
Mr. & Mrs. Robert A. Smith
Mr. & Mrs. William C. Smith
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George F. Sparrow
Kenneth R. Spencer
John R. Spung
Gerald Spurgeon
Dr. & Mrs. Edward J. Spyhalski
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Paul Stilwell
Mr. & Mrs. Donald Stiver
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Shirley Jean Tegge
Mr. & Mrs. Roger L. Thompson
Chaplain & Mrs. Richard M. Tipton
Mr. & Mrs. Joseph W. Udry
Mr. & Mrs. Donald Umpleby, Jr.
Mr. & Mrs. Edgar Vaal
Drs. Peter H. Vogel
Paul W. Volt
Herman Wacker
Mr. & Mrs. Wayne R. Walters
Rose M. Warner
William H. Weber
Mr. & Mrs. W. D. Webster
Kenneth Welton
E. H. Welting
Harold & Mary Wheeler
Leo Wible
Linus R. Wigand
Robert G. Wilson
Robert W. Wilson
Ruth Wittrock
Victor D. Wolf
Mrs. Lee Wolfe
Paul R. Wolfe
Robert Woodden
Mr. & Mrs. Monroe Wootton
Kent A. Ziegler
Jane R. Zwissler