

Rose-Hulman Institute of Technology

Rose-Hulman Scholar

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Nina Kahle will sing in the Worx tonight at 8:00 p.m. — admission is free. The coffeehouse is sponsored by the Rose-Hulman Student Activities Board — no bad luck guaranteed.

Nina Kahle to appear Tonight

Guaranteed with no bad luck, singer Nina Kahle performs tonight at 8:00 p.m. in the Worx and admission is free.

Nina Kahle hails from Motown, and you can hear that in her style; influences that range from Smokey Robinson and Stevie Wonder to Rogers and Hammerstein — yet evolving into her own unique expression, which, as Nina puts it: "... really goes for the heart; I've found that the more personal that expression becomes, the more universal it is."

In concert, Nina Kahle is a complete performer, who LOVES to perform. An accomplished pianist and dulcimer player, she is right at home on her instruments; implementing them to give added dimension to her well-crafted poetry. Her writing makes declarations in the name of human emotion, simplifying the complex, and providing an open door through which can be found many an insight — "and hopefully", says Nina, "the realization that there is joy and beauty as well as strength in

self-inquiry, and no need to fear expressing out emotions." And Nina practices what she preaches when she sings. Her voice, at the risk of seeming eccentric, is best described as satisfying, filling, even delicious.

And whether it's a powerful rocker or a sensitive love ballad, Nina's stirring vocals really hit home. Her artistry commands and receives respect. And she impresses her listeners just as deeply with her personal presence, which shows a warmth and affection for people and performing that's unmistakably genuine.

As an entertainer, Nina is enthusiastic and never hides behind her art. Her unpretentious and often humorous introductions to her songs blend with her obvious devotion to them to create an atmosphere of intimacy that always leads to a lasting rapport with her audience. It's an open, sincere invitation to experience her art, and typically results in the comment: "She lets you feel so comfortable, even when you

could swear that she wrote that last song about you."

Nina is currently living in Detroit and continues to perform at dozens of colleges and clubs around the country. In the past five years, Nina has played over 250 college dates, with many schools bringing her back again and again.

With her original style, Nina found a difficult road before her in the Detroit bars and clubs she worked for more than two years. Moving to Milwaukee with her daughter in '75, she began to work universities throughout the Midwest. Within a years time, Nina became the top solo female artist in the NECAA, leading to eleven different regional and two national showcase appearances, breaking the block-booking records in the Great Lakes and the Southeast.

Nina is an elegant and polished professional who personifies the old maxim: "Temperament is the luxury of the amateur."

Nina Kahle is sponsored by the Rose-Hulman Student Activities Board.

the Rose Thorn

Vol. 18, No. 25

Rose-Hulman Institute of Technology

MAY 13, 1983

Math team wins State

The Rose-Hulman Math Team capped another successful year with a first and second place finish at the Indiana Small College Mathematics Contest. This marks the second time that teams from Rose have captured both of the top two slots.

The win is the fifth consecutive and eighth overall for Rose teams. The eight victories is the highest total accumulated by any participant in the contest's eighteen year history. Wabash (who sponsors the event through an endowment) has taken the title four times to rank second on the list. Members of the winning team are each given a book award. The winning school also receives a trophy and a plaque which circulates between the various winning schools.

The contest is composed of a two hour exam which was a "little more sophisticated this year than in the past" according to math team coach Dr. Robert Pervine. It consists of mostly calculus with some differential equations included.

The members of this year's first place team are seniors Tom Moss and Tony Kirk and sophomore Baron Gemmer. The second place team consists of sophomore Jack Grote and freshman Todd Fine and Byron Bishop. This strong contingent of underclassmen has Dr. Pervine optimistic for the success of next year's team. Particularly when this is coupled with the fact that four freshmen scheduled to enter Rose next year have 800 SAT math scores. One of these, Erich Friedman, is among the fifty high school seniors who have a chance at making the US Math Olympiad eight-man squad.

The other event which the math team participates in is the William Lowell Putnam Mathematical Competition which is administered by the Mathematical Association of America. This competition is open to all undergraduate students in the U.S. and Canada. This exam is "more prestigious" than the Small College Contest according to Dr. Pervine. It is comprised of two three hour sessions and is currently in its 38th year. Harvard won this year's competition while the team from Rose finished a highly respectable 48th. Dr. Pervine feels with the quality of people that next year's team will contain, it is not out of the

question for Rose to finish in the top twenty.

Members of this year's Rose team were seniors Bill Heller, Paul Griffith, and Tom Moss. Senior Randy Ekl competed as an individual and finished an outstanding 69th out of a total of 2024 contestants. Dr. Pervine noted that the competition in this event is very tough given the quality of the participants, but he pointed out that it is not inconceivable for a small college to win the event, as Washington University, St. Louis had won the event in the two previous years.

Scholarships offered

by Walter Rosenberger

If you're planning to get a doctorate in computer science or engineering and pursue a career in teaching, General Electric has a new Graduate Fellowship Program that can help.

The General Electric Foundation is offering three \$12,000 fellowships through Rose-Hulman, with like fellowships awarded at other selected institutions. The award goes to a graduating senior's first year of work towards a Ph.D. in computer science or engineering at another institution. It covers tuition, fees, and a subsistence allowance. In addition, Rose will get \$5000 for each of the three fellowships it awards, to use as it sees fit.

The purpose of the program is to stimulate growth in engineering and computer science faculty. "They (GE) are in a field where the shortage is most acute right now," Dr. Jim Eifert, Dean of Faculty, said. "There's a feeling of responsibility on the part of some companies (towards maintaining good engineering faculty). They reap the benefits, so it's in the best interest; also, they feel it's their responsibility to repay the system for those benefits."

"I hope we see the continued stimulation of engineering faculty of the part of industry," Eifert said. "When the users of industrial talent plow that talent back in, they're doing everybody a favor."

Also in scholarship news, The John W. Anderson Foundation of Valparaiso, Indiana has donated \$12,000 for National Merit scholarships.

by Geof Lange

Rose-Hulman has recently received its evaluation from the Accrediting Board for Engineering and Technology (ABET). ABET is an organization of professional societies which visits and studies institutions concerned with the education of engineering and technology related fields.

Each year there are 40 to 50 freshmen coming to Rose who are National Merit Scholars, and the Institute is only able to help about 36. This donation will go towards making up that difference and will tend to attract more National Merit Scholars to Rose.

"We have had a long association with the Anderson Foundation," Dean of Students Jess Lucas said. The Anderson Foundation paid full tuition for five students until 1977. This donation is one of several replies to the Rose development office's request for funds, made earlier in the year.

RHRA enters Mini Baja contest

by Darrell Hancock
Thorn Contributor

For the second year in a row, on May 5th and 6th, the Rose-Hulman Racing Association participated in the Mini Baja East competition. The competition, sponsored by the Society of Automotive Engineers, was held at Fort Belvoir, Virginia, and was hosted by last year's winner, the University of Maryland. The RHRA fielded two vehicles in the contest this year, a newly designed car, as well as a modified version of last year's car.

The new car (featured in last week's Thorn) was very competitive, scoring highly in stability, land maneuverability, acceleration and top speed, safety, and completing the endurance race, last year's car did not have quite as much success. Once at the competition

By evaluating many of its features, ABET determines whether any education institution in the US can be accredited. Some of the features checked include laboratory space, the age and amount of laboratory equipment, in general the age and condition of the education facilities. ABET checks the efficiency and organization of each department, noting the need for more secretaries and newer equipment. ABET is interested in course descriptions and textbooks being used. ABET looks into the qualifications of the faculty and determines how difficult it is to make grades by examining graded tests and papers. ABET notes the amount and difficulty of homework that the students are required to perform. ABET studies students' transcripts to get an idea of the caliber of the institution's students. ABET also investigates the administration to gain an understanding of its operation procedures. Depending on how well an institution fulfills these requirements, it will be categorized as having a

maximum, limited, or no level of accreditation.

Rose-Hulman has met all the requirements defined by ABET for the maximum level of accreditation; however, ABET has made a few suggestions that Rose may want to look into.

The hiring of more secretaries was recommended, especially in the Civil Engineering lab facilities. These two deficiencies will be alleviated with the move to Olin Hall by the Civil and Chemical Engineering Departments. Olin Hall will increase lab space and give the two departments more room for offices with secretaries. Rose-Hulman will document the progress made regarding Olin Hall, then submit this to ABET.

ABET saw the need for more computer application courses for juniors and seniors, as well as more assignments requiring the use of the library for all students. These recommendations will be reviewed the next time the curriculum is revised; according to President Hulbert it is up to each department whether these recommendations will actually be implemented.

Why would an engineering institution want to be accredited by ABET? There are several important reasons. Industrial firms are more apt to hire a student who graduates from an accredited school; it is easier for an engineer to earn his professional engineer's license if he was a graduate from an accredited school; accredited schools are trying to achieve a common goal, not unrelated goals. Since Rose has already achieved all these goals, Dr. Hulbert commented, that accreditation serves "to keep Rose on its toes." Only about 40% of the engineering institutions in the U.S. have received the maximum level of accreditation.

As far as ABET is concerned, Rose-Hulman is in fantastic overall shape compared to most other engineering institutions. Most other schools have a shortage of faculty members, primarily in their electrical engineering department, and have poor laboratory arrangements.

Thorn Editorial

by Alan C. Yarcusko
Business Manager

Many recent articles on this page have discussed the workload imposed upon electrical engineering students at Rose-Hulman. As a senior EE, I would like to offer some comments on this subject.

First of all, I am a little surprised that anyone would even write a letter for publication which talks about how hard this school is. Everyone here already realizes that fact; even the Admission Department tells prospective students that they can expect to work very hard during their four years at Rose.

Secondly, it's not as if the EE's have been singled out for four years of torture. Talk to a sophomore ME taking Computer Applications in Dynamics or a sophomore Chem.E sweating through a six-hour final in Material and Energy Balances, and you will encounter people who are also under a lot of pressure.

It is true that EE's are faced with some unique problems. We are heavily oriented towards advanced mathematics, we spend a lot of time in the labs, and we all nearly fail out trying to finish our senior projects. We are also famous for having the fewest free Wednesdays, a lot of Monday morning and Friday afternoon classes, and hot, crowded laboratory facilities.

However, being an EE has its rewards. It's no secret that our placement statistics, while far from perfect, are the best in the school this year. FORTUNE magazine says that more than 100,000 new electrical engineers will be needed in the next ten years to keep up with all the new technology. At places like the University of

Illinois, there is a huge waiting list of people trying to get into U. of I.'s College of Electrical Engineering. By being an electrical engineer at Rose-Hulman, you are in a very enviable position.

Another plus for EE'S is the opportunity for hands-on experience. When other students do design work, they use scaled-down models or computer simulators. After all, a Civil can't very well build a skyscraper for his senior project. In electrical engineering labs and design courses, though, we build the real thing. We can't just talk about how a circuit might work; we actually make it work. There is no question that this is more difficult, but it is also more instructive and more satisfying. Now that the trauma of senior projects is behind us, I'd be willing to bet that every senior EE would say that he's glad he went through it.

I'm not saying that the electrical engineering department is perfect. Professors sometimes give assignments that take longer than expected. That's because they're human; they're going to make mistakes. Spring quarter sophomores don't get much sleep because of their three ten-week labs; maybe that could be changed. I'm sure that the appropriate faculty and administration members would be happy to consider altering the course sequence if some students made a serious, intelligent request.

I hope that the complaints from the EE's are nothing more than a case of the "sophomore slump" or maybe a little Spring Fever. Being an EE is rough, but there are 84 senior electrical engineers who will probably say that it is also well worth the effort.

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Letter to the Editors:

Hours for security needed

Dear Editor,

What kind of a Security Office do we have? They have no hours posted on their door and they have no schedule at the operator's desk in case anyone

should ask. How dependable is Security if even the operator can't locate anyone from that office? Is the campus so secure at certain random times of the day that their people are not needed? This situation needs attention, and at least deserves some answers.

John H. Rohlfing



S.G.A. News

by Joe Kunkel

This is the first of what I hope will be a regular column. I plan to use this column to keep the students informed of student government activities as well as what's happening in the administration that the students should know about.

The main activity in student government news is the formation of the budgets for next year's clubs. The final vote on the budget was last Tuesday. The clubs on campus have asked for over \$60,000, and there is only \$50,000 available. Some of the sample budget requests are WMHD - \$12,625; SAB - \$14,900; Modulus - \$7,000; and Band - \$7,075.

Response to the committee openings has been very good. Remember, today is the last day to turn in committee applications. Thanks to everyone who applied.

Don't forget that class

elections are next Wednesday. Even though these officers are not traditionally very active, they do have control of close to \$2,000 worth of student fees. It only takes ten seconds to vote, so take that ten seconds on Wednesday (turnout is usually less than 35%).

The Board of Managers will meet on May 26 for one of its three yearly meetings. Brad Newman and I will be the only students present, so if there is something you would like to see mentioned, come see one of us. This is the ruling group at Rose deciding much of the issues as coeducation, new buildings or new majors to be offered, so if something different is going to be planned, this is the group that will do it. Since Brad and I are your representatives on the Board, we should receive your input.

Daffynitions



by John Rohlfing

Maybe you prefer more exotic places to visit than those from last week's column. Perhaps these are more appealing:

Big Ben — tock of the town.
Camelot — a place where they sell used camels.
Cuba — Castroturf.
East Berlin — where every child dreams of becoming an adult Western.
Eiffel Tower — the Empire State Building, after taxes.

English Channel — the BBC.
Magnetic Pole — a charismatic Slav.
Panama Canal — inside strait.
Planet Mars — the red barren.
Red Sea — third letter in the Russian alphabet.
Sahara — nomad's land.
Saudi Arabia — a fuel's paradise.
Stratford-On-Avon — bard sanctuary.

Schmidt's Rose history concludes

Some History of Rose-Hulman
Part IIb:

A Vigorous, Growing Rose
1976 - 1983

by A. R. Schmidt '49

On September 1, 1976, Dr. Samuel F. Hulbert became the eleventh president of Rose-Hulman Institute of Technology. Having graduated from Alfred University with a B. S. degree, he earned his doctorate in Ceramic Engineering also from Alfred University. Prior to coming to Rose-Hulman, Dr. Hulbert served as Dean of Engineering at Tulane University and had acquired an international reputation in the field of materials for biomedical use and in bioengineering. The formal

inauguration ceremonies were held on November 14, 1976.

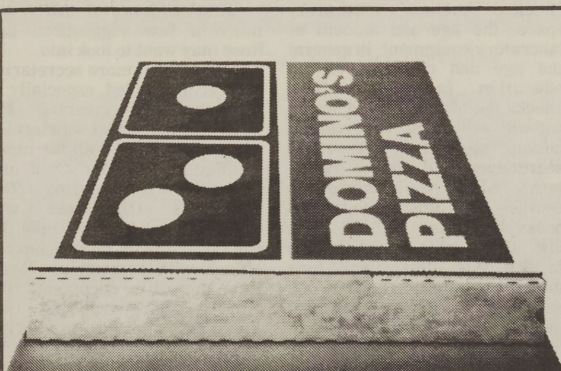
Dr. Duane Bruley, who had been Chairman of Chemical Engineering at Tulane University, became Vice-President for Academics and Dean of the Faculty. Not long after his arrival, Dean Bruley began organizing the Industrial Board of Advisors, a group of people from various industries who are willing to serve as critics and advisors on academic questions and also serve as liaison between Rose-Hulman and their respective industries.

In June of 1977, the second Rose-Hulman summer program for high-school students was begun. Called "Camp Retupmoc" and directed by

Prof. John T. Kinney (Mathematics), this program was designed as a one-week session for students interested in computers and computer-science. The first summer program which is for high-school students was begun just ten years earlier in June, 1967, and directed by Prof. Alfred R. Schmidt (Mathematics). Called "Operation Catapult," this was intended for students interested in engineering and physical science.

On August 12, 1977, Rose-Hulman was saddened by the death of Dr. John Rhee and his wife, Inok, who were killed by a train collision with their car at a

Continued on Page 4



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Thorn Sports

Baseball team tops C.A.C. tourney

by Don Corson

Rose-Hulman captured the 1983 College Athletic Conference baseball championship during last weekend's Spring Sports Festival by whipping four of five CAC opponents.

In the end, it was superb pitching and a little luck that made the difference for the Engineers. Going into the final round of tournament games on Saturday afternoon, Rose and Illinois College had identical 3-1 records. Rose-Hulman's opponent was the Centre Colonels at 1-3 and the Blueboys had to face the Principia Indians (2-2), whom the Engineers had manhandled, 9-1, in the tourney opener. By the CAC rules, teams with identical best records in the tournament tie for the championship, regardless of head-to-head competition. Therefore, only a Rose-Hulman victory coupled with an Illinois loss would give the outright title to the Engineers, even though they pounded the Blueboys, 11-4, in game two.

Rose held up its end of the bargain by blasting Centre, 13-2, behind the brilliant pitching performance of Shawn Kendinger. Just a sophomore, Kendinger became the fifth consecutive Engineer starter in the tournament to pitch a complete game. He scattered nine hits and did not give up a base-on-balls in recording the victory.

Meanwhile, Principia was leading Illinois College by a single run through six innings.

Things changed quickly in the seventh, however, as the Indians' Jeff Mortner doubled on the first pitch of the inning. Following a pop-up by designated hitter Dean Corbitt, Robert Wilson lined a single to center which scored Mortner and gave Principia a 7-6 advantage. Scott Anderson then reached on a fielder's choice and leftfielder Scott Dungire blasted a two-run homerun to put the Tribe up by three. A single tally by the Blueboys in the bottom of the inning wasn't enough and the Indians posted a 10-7 upset which entitles the Engineers to the undisputed crown.

In the finale for Rose-Hulman, thirdbaseman Jeff Ball led a fifteen-hit Engineer attack with a homerun and a single, three runs scored and two runs-batted-in. Catcher Steve Sauer was perfect in four plate appearances with two doubles, a single, and a base-on-balls. Sauer also batted in two runs. Firstbaseman Mike Trench also wielded a hot bat, pounding out a double and a triple and knocking in three runs.

Four Engineers were named to the All-Tournament team this year, Mark Kaiser, along with Jim Delaney of Principia were named the tourney's outstanding pitchers.

Rose-Hulman placed two infielders in the all-tourney squad. Andy Meyer, the slick-fielding secondbaseman, batted .429 over the five games to earn his spot on the elite crew. Andy's

best game was against Sewanee when he went three-for-five with a homerun and four RBI's. Joining Meyer in the infield is his double-play mate, shortstop Steve Nowak. In his sixteen trips to the plate, Nowak rapped out nine hits for a .563 average. He also drove in seven runs in the tournament.

Ron Bender represents Rose in the outfield as he was named the tourney's outstanding center-fielder. From his lead-off position in the batting order, Bender batted .500 (seven-for-fourteen), but his on-bases-percentage was even better. Adding his seven walks in the tourney, Bender reached base fourteen times in twenty-one plate appearances for an on-base-percentage of .667!

The remaining members of the All-Tourney team are outfielders Tom Samuels of Illinois College and Dick Guarriani of Centre, infielders Hank Hopping of Sewanee and Jon Daugherty of Principia and catcher David Gray of Centre.

Also released this week was the 1983 CAC All-Conference team and again, the Engineers were well represented. Bender and Scotty Lowe were named to the All-CAC outfield, while Nowak and Meyer were again honored as All-CAC selections in the infield. Catcher Rob Wilson and Steve Sauer were both selected as outstanding players at that position and Mark Kaiser was also selected. Of the 22-man team All-CAC squad, Rose-Hulman was the best-represented team with seven selections.

Golf team places second

by Jim Grimshaw

Joining the rest of the Rose troops last weekend in the CAC tournament, the golf team added its two bits worth by taking second place in the 5 team field. Sewanee, who has won the conference title the last two years, took first place with a 653 team total. Rose had a 675. Centre was close behind with a 678. Southwestern was fourth (693) and Illinois College was fifth (743). Principia did not field a team.

Freshman Ron Neumeyer was the hero for Rose, shooting the lowest round on the 30-man field on the second day with an 81. His 36-hole score was 170 which placed him sixth individually in the tournament. Mark Adams, the most consistent golfer for Rose this year, led the team with a 166 and placed fourth

individually. Terry Butcher shot a 171 and tied for ninth; Terry LaGrange has a 172 and tied for 11th; David Bramer had a 177 and Rob Haynes finished with a 186.

Bill Hodges from Sewanee was medalist for the tournament with a 160. Sewanee, by winning the CAC, will now attend the NCAA Division III tournament.

"To come in second under these conditions," Coach Baca explained, referring to the high speed winds on both days of play, "we did really well. I'm real proud of the team this year. All year long, when one guy faltered, another would pick up the slack. It was the old team effort."

Coach Baca will have five of his six starters back next year and just as much depth.

Tennis team takes second

by Dale Bennett

In the recently completed C.A.C. Spring Sports Festival, held here at Rose-Hulman, the Engineer tennis team came away with a strong second place finish behind Principia College. The team's single loss came at the hands of the Principia tennis team.

Last Thursday, May 5, Rose soundly defeated Illinois College by a score of 9-0. Friday saw Rose play Sewanee. The result was an extremely hard fought and exciting 5-4 come from behind victory. With the score tied at four matches apiece, the number one double team of Carey Stokes and Brian Ramey were playing for the team victory. They took the first set by a score of 7-6, but lost the second set 4-6. In the third and deciding set, Sewanee jumped out to a seemingly commanding

5-1 lead but Stokes and Ramey, playing inspired tennis (inspired by a few questionable line calls) reeled off six straight games, winning the match and giving Rose a 5-4 victory.

Rose then went on to play Southwestern College on Friday afternoon and again were 9-0 victors. Saturday morning, Rose won again, this time against Centre College by a score of 8-1 and set up the final match of the tourney, pitting the two top teams against each other - Rose and Principia. Principia, who had not lost a single match during the whole tournament, ended up as 8-1 victors against Rose and clinched the tennis title of the 1983 Spring Sports Festival. Their single individual match loss came at the hands of Rose freshman Barry Peterson, who ended up undefeated for the whole tournament.

Keys honor students

by John Weis

The spring quarter is traditionally when Rose takes time to acknowledge the performance of its students during the past year. Awards are given for academic excellence. Equally important, Honor Keys are given to those students who have gone beyond the classroom to service the school community and pursue outside interests. This week, prospective candidates for the Key submitted a list of their activities to the SGA. Those who qualify will receive the award tenth week at a banquet. Previously, the Keys were awarded during the Spring Honors Banquet. Last year, a separate banquet was held.

The special thing about this year's award process is the updating of the point list. The last revision occurred in 1976. To earn an Honor Key, a Rose student must accumulate 100 points during his stay at Rose or over 50 points in one year. The point system attempts to give more weight for activities requiring more involvement. The amount of time for certain organizations changes

drastically in seven years.

The revised point list was produced by the SGA Honor Key committee. The revisions were then voted upon by the SGA Congress. With a few exceptions, all the revisions recommended passed.

The points awarded for various SGA positions were affected by the change. While the points for SGA Vice President and Treasurer decreased, those for Secretary, Historian, and chairman of an SGA Committee increased. Also, being a member of SGA received 15 points last year, but is worth only 10 this year.

Points for Class Officers increased, possibly reflecting the increase in class activities. Alpha Phi Omega gained recognition in the revised list. The reason for this is that APO's activities on campus has increased substantially since the last revision. Points for being a member of WMHD was increased also for the same reason. The committee responsible for the revisions consisted of Ted Poulos, Greg Chapman, Guy McCollough, Phil Schook, Brad Secrest and Bernard Weir.

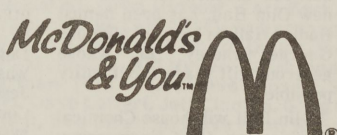
Floyd's 'Final Cut' reviewed

It's hard to review a group like Pink Floyd. They're basically an unorthodox type band, and people either love them or think they are worthless. Their last album, *The Final Cut*, is no exception. I listened to it several times, and like most of their albums, I discovered a new phrase or bizarre sound effect each time. Let's face it: Pink Floyd is a legend - they're unique. They don't care about top-forty music like Hall and Oates and yet they're just as successful in their own way at least.

This album embroiders

everything Pink Floyd can come up with. The album has good sound quality and one really has to sit and listen to it before he can fully appreciate it. The only real problem with this particular album is that it's too typically "Floydish." If you didn't like Pink Floyd's music before, you won't like this album (unlike *The Wall*, which even drew some adolescent teeny-boppers).

As you may or may not have heard the group is reportedly dissolved and won't be playing together anymore. This album, I feel, is a fitting farewell. Pink Floyd lovers, enjoy!




Thank You, Rose-Hulman Students



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History cont.

crossing without a signal. Dr. Rhee was professor of physics and astronomy and had attained an international recognition for his work in interstellar matter. He was a dedicated teacher, a truly fine gentleman, and one who was committed to Rose-Hulman and its students.

At Homecoming, October 9, 1977, the main academic building was dedicated as "Moench Hall" in honor of the many years of dedicated service to Rose-Hulman and the devotion shown to his profession and to his students by Dr. Herman A. Moench. '29, now the Senior Vice-President. Although someone had removed one of the aluminum letters from the "Moench Hall" sign above the east door, Mr. Paul Phillips of Buildings & Grounds had one made of plywood, painted with aluminum paint, and installed prior to the dedication ceremony. Dr. Moench was aware and took it good-naturedly, as is his custom.

On October 27, 1977, Mr. Anton (Tony) Hulman, Jr. died, ending a long life of philanthropy and community service. The awarding of an honorary Doctor of Laws to Tony at the opening of the Centennial Celebration in January, 1974, the change in the name of the Institute to join his family name with that of Chauncey Rose, and the dedication of the new student union building as the "Hulman Memorial Union" are but tangible evidence of the importance of the Hulman family to the development and growth of the Institute from its beginning.

At the commencement in May, 1978, the first students to complete the four-year technical translator program begun in 1974 received their certificates. Rose-Hulman became the first college in the United States to offer such a certified four-year program. Prof. Peter Priest (in Russian) and Prof. Hannelore Lehr (in German) were the motivators for this addition to a Rose-Hulman education. Since its inception, the translators programs have grown steadily.

On September 22, 1978, the first meeting of the Industrial Board of Advisors addressed the problem of improving communications skills for undergraduates in engineering and science. (Although this was the first formally organized consideration of the question, this author's recollection is that the whole challenge of improving communication skills has sparked lively discussion at Rose-Hulman at least as far back as the late 1940's).

In July of 1979, President Hulbert asked Prof. Schmidt to chair a committee to organize a year-long celebration during 1980 recognizing the fiftieth year as a full-time member of the Rose faculty served by Dr. Herman A. Moench. The Committee met and outlined what came to be called "The Year of the HAM." The schedule for 1980 included:

Jan. 11 and 12 - "The Herman A. Moench Symposium on Engineering Education" (at R-H).

Mar. 7 - "Community Recognition Dinner" in appreciation of the many ways Dr. Moench has served the local community as well as the state and national engineering societies.

Apr. 25 - Dr. Moench delivered the "Oscar C. Schmidt Memorial Lecture" and was awarded the Chauncey Rose Medal.

Apr. 26 - Parents' Weekend included the Saturday evening dinner, dance, and music called the "Moench-Fest." The menu and music were German and mementos of appreciation were presented by the Student Government, the secretaries of the Institute, and by several other groups.

May 23 - At the

Commencement, the first "Herman A. Moench Distinguished Student Commendation" was awarded to senior Bob Leibold, Maine, who graduated in chemical engineering. Also, Prof. Robert Steinhäuser was named "Herman A. Moench Distinguished Professor."

In June, 1980 the third summer program for high-school students was added. Called "TIP," this program is a concentrated two-week session in either chemistry, physics, or mathematics, each professor having about six students. Prof. William Deutschman (Physics) was the first director, followed by Prof. Frank A. Guthrie (Chemistry) in 1982. The response to the program has been most encouraging and the students chosen for the program have been from throughout the nation.

Shortly after classes began in the Fall of 1980, Dr. William E. Ritter, Chairman of Mathematics, suffered a disabling stroke on October 5 which necessitated his being granted indefinite leave of absence from his duties.

President Hulbert and Mr. Ronald Reeves, Vice-President for Development, had been in communication for several months with the Olin Foundation concerning the possibility of a new classroom-laboratory building to be funded by Olin. On November 13, representatives from the Foundation visited the campus to further their study of our application. After several more meetings with the Board of Olin, President Hulbert received on July 30, 1981 the good news that the Olin Foundation had selected Rose-Hulman from a group of colleges in the Midwest as the site of a new Olin Building. The ground-breaking ceremony was held at Homecoming, October 19, 1981 and the construction actually begun in the Summer of 1982.

The new Administrative Center, the connecting link between Moench Hall and the new Olin Hall, has been named Hadley Hall, in honor of alumnus George Hadley '29, whose generous gift made this facility possible.

Olin Hall will house Chemical Engineering, Civil Engineering, and the Life Sciences, while Hadley Hall will house the offices of the President, Vice-President for Academics, and the Vice-President for Student Affairs. These facilities will be occupied prior to the beginning of the '83-'84 school year.

Through the generosity of alumni, friends of the Institute, and corporation and foundation gifts, the first phase of the renovation of Moench Hall will begin in June of 1983.

The first annual Honors Banquet was held on Saturday evening of Parents' Weekend, April 24, 1982. In addition to the various departmental awards to outstanding students and the presentation of the freshman Bronze Heiminway Medal and the Wischmeyer Award, this was also the occasion for honoring Mr. William D. Schindel, '69, founder and President of Applied Computing Devices, Terre Haute, Indiana, as the first recipient of the Outstanding Alumnus Award.

The freshman class entering in September, 1983 was full on March 1 — the earliest in the history of Rose-Hulman. It was mentioned earlier in this history that in 1962 the average freshman ranked in the 84th percentile of his high-school class, in 1972 it was the 91st percentile, and the 'new class ranks in the 94th percentile! A remarkable record and a definite credit to Rose-Hulman.

Conclusion

A sketch of the history of Rose-Hulman as brief as these three installments have been makes it

necessary to omit much of importance and much detail; to omit recognition of the influence of many members of the Board of Managers, the administrative staff, the teaching faculty, and of the student body. Omitted, for example is the development of the Admissions Office begun by Prof. Paul R. Headdy (History and Economics), expanded into one of the finest operations under Dean Duncan C. Murdoch, and now ably meeting the challenges of the recruiting scene by Dean of Admissions Chuck Howard. A look at the applications for admission reveals that Rose-Hulman has achieved national recognition in undergraduate education. While our main competition for top scholars fifteen or so years ago was Earlham, Hanover, Wabash, and Purdue, now we are in competition with MIT, Cal Tech, Stanford, Carnegie-Mellon, and schools of that caliber.

Also omitted has been the development of the Placement Office, also first organized by Prof. Paul B. Headdy and, on his retirement in 1970, most effectively expanded and administered by the current Director of Placement, Mr. William Sisson.

The Office of Dean of Students, like "Topsy," "just grew" instead of having started as a well-defined office. Prof. Ralph M. Ross (Mathematics) was residing on-campus as Director of Dormitories when the expansion of the student body made a Dean of Students a necessity. He was assigned the responsibility for housing and food service and, having already succeeded Prof. Carl Wischmeyer, Sr., as Chairman of the faculty Committee on Scholarship and Financial Aid, that function also became part of his office. With a reorganization of the administrative structure in the early 1970's, all segments of the school were under one of four Vice-Presidents and so Athletics and Recreation, Student Government, Fraternities, and all other student activities and organizations were administered by the Dean of Students. When Dean Ross retired in 1974, he was most ably succeeded by Dr. Jess R. Lucas (Psychology and Counseling) under whom the system of Resident Assistants and Sophomore Advisors in the dormitories has been developed, professional counseling has been provided to students, and a fine Security Office under Mr. Gary Flora has been established to help students and to protect the campus. Rose-Hulman is indeed fortunate to have Dr. Lucas as Dean of Students.

The evolution of the athletic program, both intramural and varsity, under the leadership of Mr. John R. Mutchner, Director of Athletics since 1963, has been a definite asset to Rose-Hulman and could well fill several written pages. The full-time coaching staff has consisted of men dedicated to developing quality programs and winning teams even under the constraint of having no physical education majors and no "full-ride" scholarships with which to recruit. Their pride in serving a college which places great emphasis on academics is also a credit to Rose-Hulman.

The past ten years or so has seen excellence developed also in the areas of the performing arts: bands, drama club, and glee club. Tours taken by the Band and the Glee Club always have been well received. The growing fine reputation of the Drama Club within the Terre Haute community as well as with Parents' Weekend crowds makes both their Fall and Spring productions appreciated by many.

When one examines, as did the Olin Foundation, the happenings and the trends in all facets of Rose-Hulman over the past

fifteen or twenty years, there appears a dynamism of remarkable proportion. This vitality was found to be significant by Olin and many other supporters of Rose-Hulman; it is what makes possible our success in attracting competent people to our Board of Managers, Administrative Staff, our teaching Faculty, and — equally importantly — to our Student Body. Obviously, this process builds upon itself — excellence makes possible more excellence.

The joint effort of the Board of Managers, the Administration, and the teaching Faculty can provide both the facilities and the content for an excellent undergraduate education, but these alone do not guarantee that such an educational experience will occur with each student. In the final analysis, it is the responsibility of the individual student to acquire for himself the education available at this college. The student body must be involved in this process, not simply as "learners" or as "absorbers," but as vital contributors to each other in sharing knowledge, sharing views, interests, background, and even ideologies. This participation in the dynamics of a Rose-Hulman education includes more than the sum of the courses and labs of the curriculum. Also included are the important experiences gained through participation in the extra-curricular activities which include the learning experience of managing an organization (student government, the "Thorn," a fraternity, or the performing arts groups, each of which has a significant budget and obligation); the development of a sense of community commitment (through civic activities such as helping in the Heart Fund, the MS Drive, the Big Brother program, and through religious organizations); and recreational activity as a break from daily tasks (athletics, the various clubs on campus, as well as those previously-mentioned organizations).

Each student is strongly encouraged to avail himself of as many of the educational experiences, curricular and extra-curricular, as may be consistent with his time and talents — to gain as "liberal an education in engineering and science" as possible during his undergraduate years. A student who pursues only the same interests as he had in high school is denying to himself opportunities for growth. A student who elects to attend only to course work, to live in the same small circle of acquaintances, and to pursue only a small collection of interests (if any), cannot claim to have acquired the most of the opportunity open to him. The student who avoids opportunity to exchange ideas, or to argue his views with others, both students and faculty, is missing a great chance to develop a better understanding of himself and his priorities, to acquire a more effective ability to communicate, and to increase his understanding of other people and their sensitivities. Indeed, is it not true that being "self-centered" is the antithesis of "becoming educated?"

Rose-Hulman encourages students to become serious about "career planning" rather than simply living from term-to-term, year-to-year, and "see what turns up." There are people

on this campus who are anxious to assist — but they must be asked; they are reluctant to impose.

For several years, the United Negro College Fund has used as their motto "A Mind Is a Terrible Thing to Waste." Please think about that — for all of the opportunities available to the student on this campus are included in the same cost. The student is very much a master of his own destiny, great or small, as he chooses. Accept the challenge to learn as much as you can in these four years. You will be proud of yourself and Rose-Hulman will be proud of you.

EPILOGUE

I have been privileged to be a member of the Rose-Hulman Faculty for thirty-two years and to be a colleague of some of the finest teachers I had as a student: Dr. Moench, Dr. Hooper, and Dr. Criss are still sharing their knowledge and their enthusiasm with students. During all of these years, I have had the pleasure of knowing many, many students and a great many parents; of sharing enjoyable conversations over dinner with students; and the privilege of sharing in their burdens and their delights. It is a great occasion when one can reminisce with alumni, be proud of their accomplishments, and remember that as freshmen each of them endured the same uncertainties, the same self-doubts as all other freshmen sense. I would wish for each student a life as satisfying and meaningful (to him) as my years at Rose-Hulman have been to me.

The twenty returning members of the Rose Thorn staff have laid the groundwork for next year's paper by appointing its new officers.

Alan Hippelheuser was selected as editor of the 1983-84 Thorn. Alan has only been on the staff for a year but his experience with other newspapers and active role on campus will definitely be an asset.

Also spending long hours in the Thorn office each week will be news editor Rob Jacoby, features editor Walter Rosenberger, sports editor Tim Eubank, chief photographer Bob Mattingly and business manager Kevin Bleicher.

Returning to their roles as columnist will be Jim Grimshaw (Fraternity Rho), John Rohlfing (Daffynitions) and Dale Bennett (I.M. Sports Round-up).

Among the priorities of the news staff are increasing the number of issues, publishing more eight page issues and making greater use of photos.

Anyone having suggestions or comments for next year's paper or anyone interested in writing columns or news stories or doing photographic or art work for the Thorn should drop a note in Box 691.

The final issue of the Thorn for the 1982-83 school year will appear Saturday, May 29 — Commencement Day. Juniors, sophomores and freshmen who will not be on campus that day but would like to have a copy of the paper can reserve one by signing the list posted outside the Thorn office in the student lounge on or before Thursday, May 26. Those who sign up will get their copies next year in the fall.

1983 Hairstyles - \$11.00 elsewhere \$15.00
Haircuts - \$4.00 to \$6.00 elsewhere \$7 and up
Wash & Wear Perm - \$27.75 elsewhere \$35 and up

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