

Winter 1971

Volume X - Issue 8 - Winter, 1971

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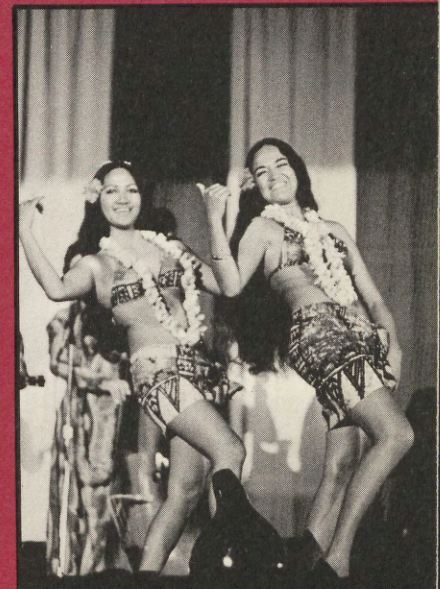
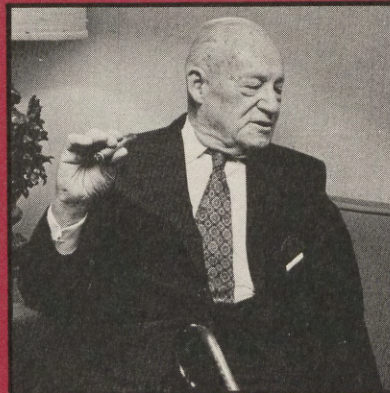
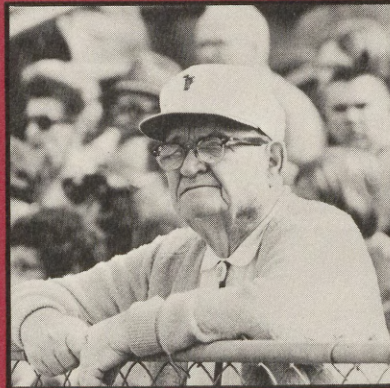
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ECHOES

Rose-Hulman Institute of Technology



Winter, 1971

ECHOES

Rose-Hulman Institute of Technology

ALUMNI MAGAZINE

Winter, 1971

Vol. X, No. 8

ROSE ALUMNI ASSOCIATION

EXECUTIVE OFFICERS 1970-71

Richard C. Brown, '27, President

Vern E. Whitehouse, '40, Vice President

Anthony G. Blake, '31, Sec.-Treas.

CHAIRMEN OF OPERATING COMMITTEES

Homecoming

Fund Raising Vern E. Whitehouse '40

Student Recruitment Fred W. Goetsch '57

Rose Tech Clubs Vern W. Fellows '62

Awards and Recognition (to be named)

Continuing Education (to be named)

ALUMNI MEMBERS OF THE

BOARD OF MANAGERS

Fred W. Garry April '51

1968 to Annual Meeting 1972

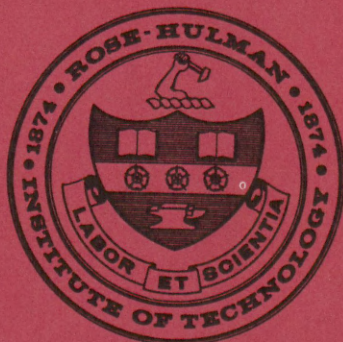
Adam K. Grafe, '25

1970 to Annual Meeting 1974

ROSE ALUMNI OFFICE

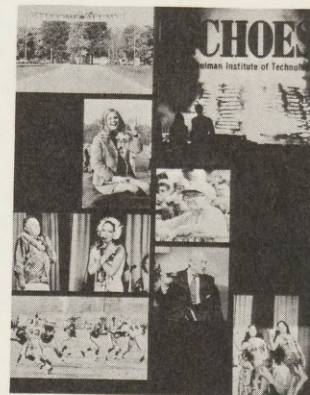
Anna Mary Turner Alumni Secretary

W. Kent Harris Editor, The Echoes



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The Cover

The cover of the Homecoming Issue is a pictorial view of Homecoming '71 Aloha. Highlighted by a tremendous Hawaiian show courtesy of E. E. "Johnny" Black of the Class of 1911 (smoking a cigar in lower center), the weekend had its rousing welcome, the traditional bonfire, the coronation of pretty Debbie Noe as queen, the usual fun and games and . . . yes . . . a football victory. Pictures too numerous to credit were taken by Richard Adkins, Gary Kirschke '70 and Marc Skeel '75.

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1971, a year of quiet and introspection on most college and university campuses across the nation, may well be recorded as the most significant in the history of Rose-Hulman Institute of Technology.

The most exciting news since the founding came early in the year--January 6, 1971--with the announcement that Mr. and Mrs. Anton Hulman, Jr., had essentially re-endowed Rose through the generous gift of the multi-million dollar family foundation. Love for the Institute and a strong belief in her time-honored educational philosophy were key factors in the decision to make such a gift to the school.

Since that time a number of stories such as efficient operation and a balanced budget, a record year of annual giving, one hundred percent placement of the Class of 1971 in a year when most colleges were content with placement of half of their graduates, and the matriculation of a 355-man freshman class have illustrated some of the reasons for the confidence alumni, students, parents, corporations and foundations, etc., have in the Institute and its programs.

To be sure, Rose-Hulman still has its share of problems; fortunately, many of them are not of a negative nature. For instance, when school resumed in September, the Institute realized that it had 1,111 undergraduate students and would be forced to start limiting the size of the incoming freshman class to 335 men instead of the 350-plus figure if the school is to maintain the average annual enrollment of 1,050 men set forth in the Centennial Development program.

The move to limit the enrollment (if the rate of retention FALL, 1971



OLD MAIN FALLS -- Dr. Richard Bergmann '18, former chairman of the Board of Managers, joined Dr. John A. Logan (left) in collecting some bricks from the Main Building on the original Rose campus in Terre Haute. The building, completed in 1883, was razed in October. It served as center of the Rose campus until 1922 and since had been Germeyer High School.

stays constant a slight reduction will occur by 1975) was made in order to continue to provide and hopefully improve the quality of education at Rose.

Alma Mater is on the move. A "walk" Across the Campus on the following pages reveals some immediate plans and serves as an introduction to new faces on campus.

Across the Campus

Rose-Hulman will consolidate nine academic departments into five academic divisions next September in a reorganization designed to provide maximum administrative efficiency and improved quality of teaching.

In making the announcement during the annual meeting of the Board of Managers, Dr. John A. Logan, president, called the reorganization "a progressive move which will make us more competitive in a number of areas and allow us to better plan programs in the future."

Named to chair the five divisions reporting to Dr. James B. Matthews ('54), Dean of the Faculty, are Dr. Sam C. Hite, division of biological engineering, chemistry and chemical engineering; Dr. A. T. Roper, division of civil engineering, mechanical and aerospace engineering, and Dr. Charles C. Rogers, division of physics and electrical engineering.

Dr. Herbert R. Bailey ('45), will continue as chairman of mathematics, while Calvin R. Dyer will chair the division of humanities and social sciences as the two largest departments in the school move from department to division status.

Under current academic administration the nine departments range in size from three to 12 faculty members, with the nine chairmen (approximately 15 per cent of the faculty) assigned to positions that include many routine administrative duties.

The reorganization will provide for five divisions ranging in size from 11 to 14 faculty members. Thus, only five members of the faculty will be assigned administrative responsibilities and

each will supervise approximately the same number of faculty members, based on current staffing levels.

Fewer administrative units will make it possible to achieve better balance in teaching loads of the faculty, which, in turn, should improve the overall quality of teaching.

Dr. Rogers, who earned the B.S., M.S. and Ph.D. in electrical engineering from Purdue University, joined the Rose-Hulman faculty in 1961.

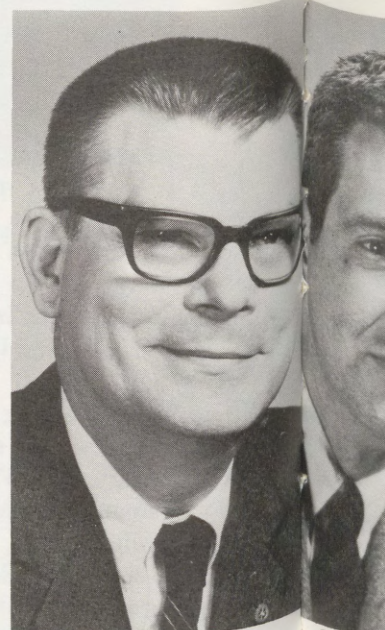
Following his graduation from Purdue in 1953, he served as a U.S. Air Force radar officer and later was superintendent of the Crawfordsville Electric Light and Power Company and a research engineer for Collins Radio Corporation.

Having completed the doctorate in 1960, his thesis work was presented at the 1961 International Symposium on Electromagnetic Theory and Antennas in Copenhagen, Denmark.

He was promoted to professor and chairman of electrical engineering at Rose-Hulman in 1965, a position he held until 1970 when he relinquished the chairmanship to devote full time to teaching and the directorship of the final year of the federally-funded College Science Improvement program (COSIP).

Dr. Hite joined the Rose-Hulman faculty in 1966 following tenures at Purdue University and the University of Kentucky. An honors graduate in chemical engineering at Purdue in 1943, he was asked to stay on the chemical engineering faculty there upon graduation.

He earned the Ph.D. in chemical engineering in 1951 and continued at Purdue until 1957



Sam C. Hite

Calvin

School to M to

when he was called upon to develop a department of chemical engineering at Kentucky.

Dr. Hite has been active in the National Science Foundation-funded College Science Improvement Program (COSIP) at Rose-Hulman, having directed COSIP activities in 1969.

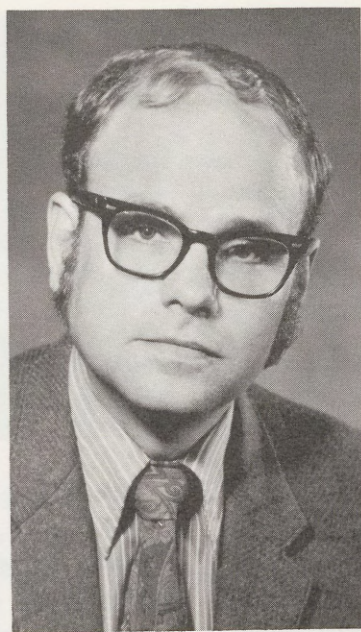
A 1945 graduate of Rose-Hulman, Dr. Bailey has the distinction of having earned B.S. degrees in both electrical and chemical engineering. He returned to his Alma Mater as professor and chairman of mathematics in 1966 following successful tenures as both a college teacher and research mathematician.

Following his graduation from Rose, he earned an M.S. in electrical engineering at the University of Illinois in 1947, and went on to teach mathematics at General Motors Institute (1947-49) and engage in research mathematics for the U.S. Naval Ordnance in Indianapolis (1949-52).

Reorganization



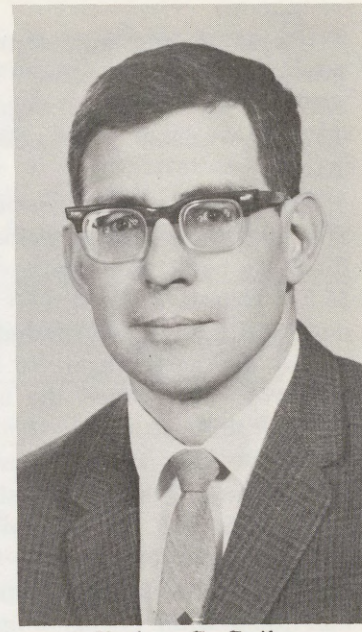
Calvin A. Dyer



Alan T. Roper



Charles C. Rogers



Herbert R. Bailey

to Five Academic Divisions in September

He then earned both the M.S. and Ph.D. in mathematics at Purdue in a two-year period from 1952-54 and continued as a research mathematician at the Marathon Oil Company Research Center, Littleton, Colorado, and the Martin Company, Littleton, prior to joining the mathematics faculty at Colorado State University in 1962.

Promoted to full professor at Colorado State, he was a consultant to the University of Colorado Medical Center and Marathon Oil during his tenure at the university.

Dr. Roper, who earned a B.S. in aeronautical engineering at Purdue University in 1958, worked as an aerodynamicist for the Boeing Company from the time of his graduation until 1963 when he moved to California State Polytechnic Institute (Pomona) as an assistant professor.

He continued his education at Colorado State University, earning the M.S. and Ph.D. degrees

in the area of fluid mechanics. He joined the faculty at Rose-Hulman following completion of the Ph.D. in 1967 and was assigned to the mathematics department.

In 1969 he was transferred to the mechanical engineering department and the responsibility of completing the development of the aerospace engineering program and related laboratories.

A participant in the NASA-American Society for Engineering Education summer fellowship program at Langley Field, Virginia, two summers, he was named the Outstanding Young Teacher of the Year by the Terre Haute Jaycees in 1970 and was promoted to the chairman of mechanical and aerospace engineering the following September.

Mr. Dyer joined the Rose-Hulman faculty in September as associate professor and chairman of humanities and social sciences. Formerly assistant dean of the

University Division at Indiana University, he earned an A.B. in international economics at Dartmouth College in 1958 and an M.A. in English Literature from Indiana University in 1966. He currently is completing a dissertation for a Ph.D. in English at Indiana University.

Mr. Dyer brings considerable experience in teaching and university administration to the new position, having taught English at Indiana, DePauw and Butler universities for six years prior to being named assistant dean at IU.

In addition to teaching an upper-level writing course and counselling, Professor Dyer's duties as assistant dean of the University Division included responsibilities for counseling and faculty advising, summer registration, liaison for residence halls and activities and University Division summer session programs for superior students.

The faculty-administration greeted 14 new members to its ranks as Rose-Hulman began the 1971-72 academic year in September.

While half of the newcomers are native Hoosiers, three of them--Robert E. Newby ('58 M.E.), Dennis C. Berry ('66 E.E.) and William D. Schindel ('69 Math)--are no strangers to Rose.

Newby, who joined the school earlier this year, is the new Associate Director of Development, teaming with Ronald G. Reeves ('58 E.E.) in the college's fund-raising efforts.

Primarily assigned to corporate and foundation giving programs, Newby came to Rose-Hulman from Visqueen Division of Ethyl Corporation where he had served as superintendent of division engineering since 1967.

Having joined Visqueen as plant engineer in 1965, he formerly was associated with Anaconda Aluminum Company in Terre Haute as a project engineer from 1958 to 1965 and as plant engineer his last two years with the aluminum company.

He has been active in the Wabash Valley RoseTech Club and Homecoming, as well as with the Francis Vigo Chapter of the Indiana Society of Professional Engineers.

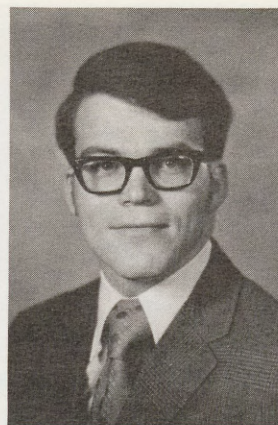
* * *

Berry, who recently completed a Ph.D. in physiology from Indiana University, joined the faculty in biological engineering as the staff's physiologist--a position demanded by the growth of the biological engineering program and prospects of pre-medicine students next year.

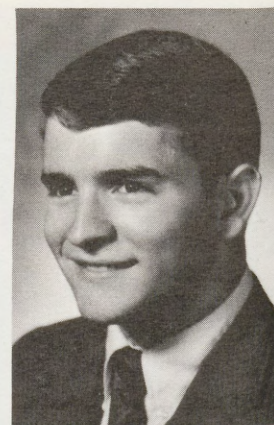
A native of Terre Haute, Dr. Berry earned a B.S. in electrical



Robert Newby



Dennis Berry



Bill Schindel

engineering from Rose-Hulman in 1966 and an M.S. in biological engineering here in 1970.

In addition to his electrical-biological-physiological background, Dr. Berry brings nearly three years experience as a staff bioengineer with the Aerospace Research Applications Center in Bloomington to the new position in Rose-Hulman.

* * *

Schindel returns to Rose-Hulman as an instructor in mathematics and part-time graduate student in the department.

A 1969 high honors graduate in mathematics, he joined IBM Corporation upon graduation. Assigned to the Federal Systems Division in Endicott, N.Y., he had received two promotions and was senior associate engineer for the division when he was granted the leave from IBM for the appointment at Rose-Hulman.

* * *

Other new faculty members are Prof. John L. Aho in civil engineering, Drs. John J. Coy and Darrell Gibson in mechanical and aerospace engineering; Drs. Gary J. Sherman and William E. Ritter in mathematics, and Calvin R. Dyer in humanities and social

science. All except Dyer, an associate professor and chairman, and instructor Schindel, join the faculty as assistant professors. Gibson and Ritter are on leave from other schools as visiting professors.

Prof. Aho comes to Rose from Cornell University where he is completing a Ph.D. in structural engineering.

A native of Anchorage, Alaska, he was graduated with a B.S. in aerospace engineering from Northrop Institute, Inglewood, Calif., and has continued his education at Cornell. He earned a masters in aerospace engineering there in 1969 and expects to complete the doctorate in December.

Dr. Coy joins the faculty following a 10-year stint as student, instructor-graduate student and teacher at the University of Cincinnati.

A native of Canton, Ohio, Dr. Coy earned a B.S. in mechanical engineering from Cincinnati in 1965 and was asked to stay on as a graduate assistant and researcher. He earned the masters in 1969 and completed the Ph.D. early in 1971.

Dr. Sherman, who has the distinction of being the only member of the Rose-Hulman faculty to have passed up a shot at pro football to study mathematics, joins the faculty in mathematics following completion of a Ph.D. at Indiana University.

New Faculty

A native of Ballarie and outstanding student and football player at Bowling Green State University, he earned the B.S. in mathematics in 1963. Following a short high school teaching career, he earned a masters at Bowling Green in 1968 and continued his studies at Indiana.

On leave from the University of Wyoming, Dr. Gibson brings a wealth of teaching, research and engineering experience to Rose-Hulman.

A native of Perrysville, Ind., he earned the B.S. and M.S. in aeronautical engineering at Purdue University in 1957 and 1959 respectively.

He worked for Douglas Aircraft Company and was senior engineer from General Dynamics Corporation from 1959-63 when he moved to the University of New Mexico to teach part time and pursue doctoral studies.

For the past three summers he has either participated in or directed NASA-American Society for Engineering Education summer faculty fellowship programs at Langley Field, Virginia, with Rose-Hulman having received publicity on congressional hearings for the most recent NASA-ASEE report on the national water pollution problem.

Dr. William E. Ritter, visiting professor of mathematics, is on leave from the University of the Pacific. A native of Oklahoma, Dr. Ritter was a national scholar at Harvard University where he earned an A.B. in physics in 1953.

He later was a physicist and research engineer for Sylvania Electronic Systems of Electronics Corporation of America from 1953-62, during which time he earned the Ph.D. in mathematics from Massachusetts Institute of Technology.

Following completion of the Ph.D. in 1962 he joined the faculty of the University of Washington, moving to the University of the Pacific in 1969.

New to Rose-Hulman's five-man admissions department are Terre Haute products R. Michael Dinkel and Conrad D. Gregory.

Dinkel joined the administration after three years of university work at Indiana State University and East Carolina University.

He holds the B.S. and M.A. in life sciences and geography from ISU, having taught geography two years at ISU and one year at East Carolina.

Gregory recently was graduated from Indiana State University with a B.S. in industrial management. He plans to continue his studies in higher education.

The faculty now numbers 63 full time members, with approximately six administrators teaching their speciality.

International PR

Few, if any, college presidents carry the name of their school to more publics than Dr. John A. Logan of Rose-Hulman Institute of Technology.

Every year he turns up in such far-flung places as Bangkok, Lima, Saigon, Geneva, the Congo, to mention a few--not as a sightseer, but as one of the world's most prominent consultants in the field of environmental health engineering.

This summer was no different than ones in the past, for during the month of July he spent his "vacation" heading up a blue ribbon team which evaluated the United States' role in providing foreign students with technical education so needed in under-developed countries.

His month-long visits took him to Southeast Asia, where he visited engineers and technical people who studied engineering under the University of South Carolina's foreign student program. He visited engineers

(and some their respective engineering projects) in Hong Kong, Taiwan, South Vietnam, Pakistan, and other locations by modes of transportation ranging from the sleek 747 jet to one of the older forms of transportation--the camel.

Education Cont.

The need to stay abreast of the latest information and techniques in one's field is providing a new challenge for the nation's educational institutions.

According to "Personal Business," a McGraw-Hill publication, more than 368,000 American adults--many with advanced degrees and some with none -- returned to the classroom this fall to pursue continuing education courses.

For the most part diplomas and transcripts are not required, and credit hours and grades take a back seat. Sessions are short and relatively inexpensive (the employer generally picks up the tab). More importantly, the courses are specifically structured to the needs of the student and are precisely to the point.

It is in such an atmosphere that Rose-Hulman operates a continuing education program which is being used as a model by members of the American Society for Engineering Education who have heard of the program.

With Prof. Irvin P. Hooper, professor of mechanical and aerospace engineering, heading the program, Rose-Hulman's continuing education series is aimed at teaching subjects most pertinent in the Terre Haute-Central Indiana area it serves.

Instruction has included short non-credit courses in computers (both digital and analog), pollution control, kinetics and reactor design for chemical engineers, manufacturing tech-

niques and noise pollution, as well as popular science offering entitled "Astronomy for Fun" in which the demand for enrollment was more than three times as great as the enrollment of 25 persons would permit.

A refresher course for those young engineers seeking professional registration in the coming months is planned to begin in early 1972, as well as special courses in mathematics which could serve as assistance to engineers or technical personnel.

Top Drawer

If the freshman class at Rose-Hulman resembles the "Who's Who Among High School Students" of last spring, it is indicative of the kind of young man who chooses the school for the unique kind of undergraduate education that have made the school what it is today.

The Class of 1975 entering as freshmen this year was the most highly honored in years, and, in fact, will rank highest academically as a men's group entering all colleges and universities in a six-state area of the midwest. The middle man of the incoming class ranked at the 91st percentile in high school class rank, some six percentile higher than the class which entered the institute a year ago, according to the figures of Duncan C. Murdoch, Director of Admissions.

Bolstered by 23 Merit Scholarship winners and 12 recipients of four-year full R.O.T.C. scholarships, more than 15 per cent of the class ranked either first, second or third in their respective high school graduating classes.

Drawn largely from Indiana, no fewer than 190 men, or 77 per cent of the Hoosier freshmen, were designated as "Hoosier Scholars." Rose-Hulman, incidentally, will rank first behind the four state

Paul E. Giffel ['37 M.E.] Dies; Buildings & Grounds Head

It is with regret we report the death December 1 of Paul E. Giffel, superintendent of buildings and grounds at Rose-Hulman since 1956. He was 57 years old.

A native of Terre Haute, Mr. Giffel was a member of the Rose family since his matriculation to the college in the mid-30s. He was graduated with a B.S. in mechanical engineering in 1937 and for nearly 20 years was production superintendent at the former Miller-Parrott Baking Company in Terre Haute.

He joined Rose in 1956 and headed the buildings and grounds operation during the period of greatest expansion and renovation in the school's 95-year history.



Mr. Giffel was a member of St. Patrick's Catholic Church, BPOE No. 86, American Forestry Association, Exchange Club of Terre Haute, National Society of Professional Engineers, Knights of Columbus and Alpha Tau Omega Fraternity.

Funeral mass and burial were in Terre Haute.

universities in the number of Hoosier Scholars, and could rank as high as third in actual dollar appropriation through the State Scholarship Program.

75% on Aid

Total financial assistance for students at Rose-Hulman for the 1971-72 academic year will total \$1.4 million and be shared by nearly 75 per cent of the student body of the institute, according to preliminary figures of Ralph M. Ross, Dean of Student Affairs.

More than 800 of the 1,100 students are receiving financial assistance of some kind, with nearly 40 per cent of their student

costs being supplied through assistance programs. Rose-Hulman considers the total student cost, including tuition, board and room and all extra expenses at \$3,400.

Of the \$1.4 million total for financial aid to students \$790,000 is awarded in grants, \$500,000 is in loans, and \$70,000 is in part time work on campus.

Support for assistance comes from Rose-Hulman restricted endowed funds, appropriated budgetary funds, alumni, industrial and foundation gifts, community organizations and state and federal programs.

Nearly \$1.5 million sounds like a lot of aid, but it's not enough. Ask Ralph Ross.

Check . . .

Rose-Hulman's basketball team is not the only varsity team which vie in international competition during the 1971-72 academic year.

The crack chess team will be shooting for a high finish among small colleges in the International Collegiate Chess Championships at the University of Toronto.

Club president Dennis Paustenbach, Strasburg, Ohio, sophomore is expecting great things from the club, claiming it is the best organized chess team among Hoosier Colleges.

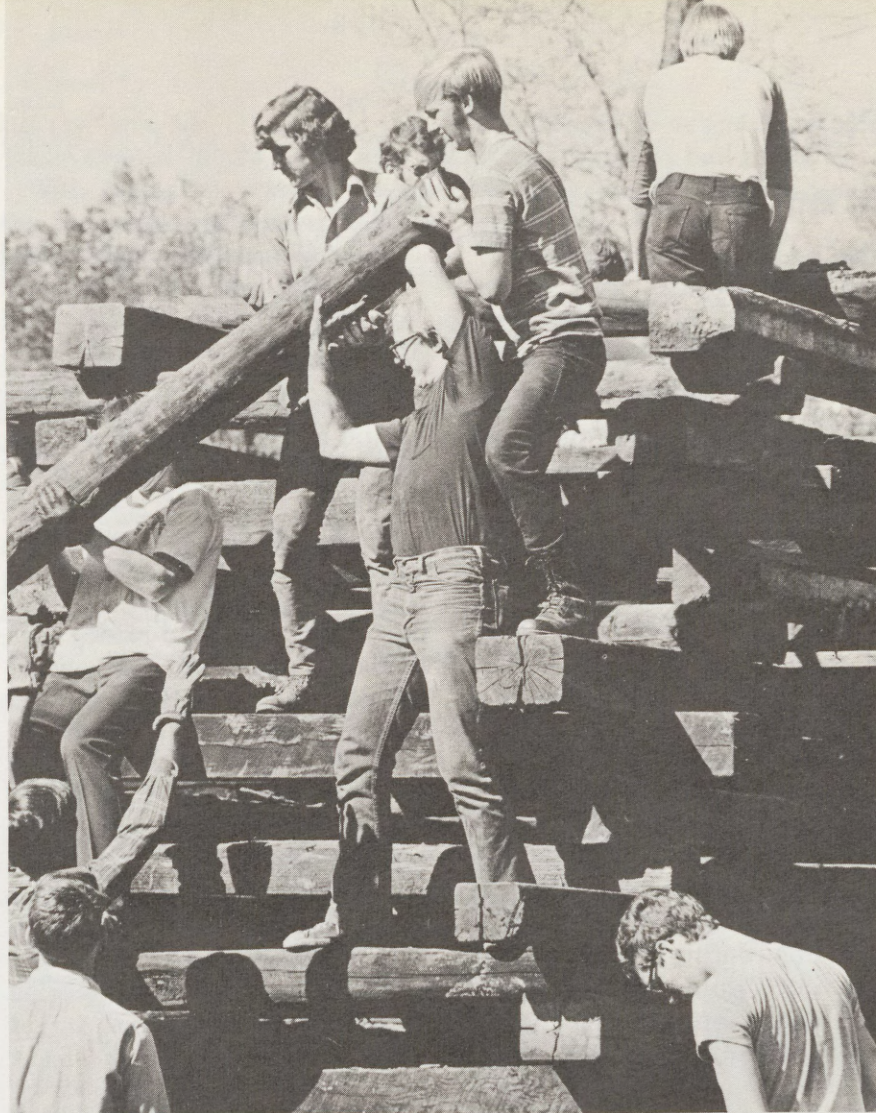
Paustenbach, who plays first board, is joined by juniors Dave Dibble, Whitesboro, N. Y. and Dennis Antoline, Gallion, Ohio; fellow sophomores Rob Ellis, Vineland, N.J., and George Cone, Lyons, Ind., and lone frosh Michael Goler, Indianapolis.

State high school champions of Indiana and Ohio are represented on the team coached by Dr. Herman Moench, Vice President and senior chess player at Rose.

Let the Tapping...

Twelve seniors and two juniors recently were inducted into Tau Beta Pi, national engineering honorary.

Those receiving the highest honor which can be earned at the Institute are seniors Rich Brunemer, Elwood; Miguel Chen, Panama City, Panama; Dean Ford, Montpelier; Ken Kopecky, Indianapolis; Glen Lash, Terre Haute; C. Jeff Martens, Mt. Prospect, Ill.; Terry Nelson, Joliet, Ill.; William Odefey and Richard Pasco, both of Des Plaines, Ill.; Joel Sanders, Edinburg; Phil Wyssling, Glenview, Ill., and Herb Young, Vincennes.



ON THREE! -- While many of the Rose traditions have waned, building of the frosh bonfire still occupies an army of young engineers. Nearly as much time is spent seeking railroad ties as is needed to erect the bonfire and protect it from the sophomores.

Elected as juniors were Jim Hastings, Washington, and Gary Kelm, Terre Haute.

A student must rank in the upper fifth of his senior class or the upper eighth of his junior class and have had exceptional character and varied interests in order to be considered for membership.

Blue Key also inducted six seniors and four juniors to its ranks. Seniors tapped for the national honor fraternity were: David A. Burgner, Veedersburg; T. Scott Josif, Potomac, Md.; Kenneth C. Oberst, East Meadow, N. Y.; Mark T. Owens, Terre Haute; Philip W. Wyssling, Glen-

view, Ill.; and Douglas P. Zapp, Beech Grove.

Juniors pledged are Robert Cannon, Mishawaka; R. Scott Koehne, Cincinnati, Ohio; Michael B. Kinney, Indianapolis; and William J. Randall, Iowa City, Iowa.

Pledge classes for Blue Key are selected semi-annually on the basis of extracurricular activities and scholastic standing. Eligibility is restricted to those students in the junior and senior classes.

Students

The Great Trip

If some basketball coaches had their way, all games would be played at home—at least, all the tough ones. Engineer Coach John Mutchner has an unusual theory on travel which states: Since we must play on the road let's go some place of interest . . . fun and sun, etc.

Soon after his arrival on the athletic scene at Rose, the Engineers made their first trip to New York. Last year they took a swing through Florida. Where does one go from there?

To Europe! Why not? . . . Mutchner took basketball teams all over Europe during his Army days in the late 50s. So why not go?

At mid-season last year the predominantly sophomore ball club unanimously voted to make a globetrotting tour of Europe. Mutchner started writing letters, scheduling games and twisting arms over guarantees, meals and lodging, etc., and as easy as that (actually hundreds of hours of work on his part) the Engineers were jetting off for eight games in two weeks over the Christmas break.

As you read this article, one of Mutchner's finest ball clubs is representing Rose-Hulman (and the United States) in such places as Frankfurt, Weisbaden, Bamberg, Brussels, Paris and London.

While the trip is a chance of a lifetime for most of the young men on the team, the beauty of it all is the teamwork involved on the part of the basketball team on making a trip to Europe "on its own hook," so to speak.

No budgetary appropriation, or capital outlay was made; nor was it requested. Individual team members purchased their own two-way plane ticket from New York to Luxembourg at a reduced rate, and the team gave 110 percent effort in fund-raising activities ranging from a television raffle to waiting tables as a group in Hulman Memorial Union.

"The purpose of our trip is primarily educational," says Mutchner. "We're going over to win, but with as many as eight games in 12 days and the extensive travel involved, it is going to be difficult to be 'up' for every game.

"I have no intention of locking players in rooms in order to get the kind of rest we expect of our team during the regular season. We want them free to see and do everything possible along the way. The kids are sky high for the trip. . . ."

Opposition on the trip will be Rhein Main Air Force Base, Frankfurt, Germany; U.S. Air Force All-Stars, Wiesbaden Air Force Base, Weisbaden, Germany; German National Team, Heidelberg, Germany; Bamberg AAU, Bamberg, Germany; AAU All-Stars, Blankenberge, Belgium; EURAL's Goldfingers, Antwerp, Belgium; English All-Stars, London, England, and Yorkshire All-Stars, at Leeds.

Slow Start

Playing out of its league in four out of seven early season games, the Fightin' Engineers headed to Europe with a 2-5 record after

lopsided wins over Wright State and Indiana University-Kokomo. Marian, which at press time was 7-0, surprised the Engineers 80-69 in the season's opener and then things started going downhill.

Center Jim Eppen lost a battle with the books and it was back to the drawing board on the eye of the Memphis Classic and competition in the form of Southwestern, Belhaven (Miss.) and LeTourneau of Texas. The results: 0-3.

Then the Engineers tangled with one of St. Joseph's finest ball clubs in years and were nosed out by Purdue-Calumet for the fifth straight loss.

But just before packing for the European trip, reserve center Mike Bennett of Chicago stormed off the bench with some excellent rebounding and defense, and the Engineers gave rise to the promise that things will be better after "eight practice games in Europe."

Members of the squad include juniors Bennett, Gary Dougan, Holland, Larry Erwin, Terre Haute; Joe Snyder, Vincennes; Rick Henthorn, Cincinnati; Dallas Canfield, Frankton; Tom Hans, Worthington, and Mike Kilpatrick, East Chicago.

Sophomores on the team are Clayton Black, Eaton, Ohio, Terry Eades, Evansville, Jim Hammon, West Milton, Ohio, and Randy Wadsworth, Finneytown, Ohio.

Lone frosh who made the varsity are Dennis Townsend, Hamilton, Ohio and Bill Ransbottom, Springfield, Ohio.

Engineer Sportscope

Harriers Win Big

Paced by freshman Dennis Dierckman of Batesville the Engineer cross country team scurried to an impressive 7-1 record this fall, giving Coach Jim Carr his ninth straight winning season in the grueling sport.

Dierckman, one of the state's leading prep distance men last spring, made the transition to the five-mile run with ease as he came home first for the Engineers in six meets.

Junior Steve White, Terre Haute, won two meets and consistently finished second, while classmate Tom Hans, Worthington, was the No. 3 man.

Other members of the squad were senior Bob Schact, Terre Haute, Juniors Cecil Whitaker, Lebanon, and Rick Keeven, Greenfield; sophomore Mark Kircher, Teaneck, N. Y., and freshmen Mark Oakley, Columbus, Ohio, and Steve Clauter, Scottsdale, Ariz.

What Happened?

While the Engineer football team had to live with a 3-6 season, final NAIA statistics and post-season honors continue to underscore the fact that Rose-Hulman football must be just a shade better than records, scores, etc., indicated during the recently completed campaign.

Frustrating might best describe the 1971 season--one which the Engineers clearly pushed opponents all over the field between the twenties only to lose the kind of heartbreakers one reads about happening to the other guy.

Coach Bob Bergman's Engineers opened the season with a bang--an impressive 20-18 victory over favored Manchester, and then proceeded to watch the big fumble or interception go the wrong way in favor of Concordia

(13-12), Principia (17-14) and Indiana Central (27-14.)

With Mike Box standing near the top nationally among NAIA passers and receivers such as Rick Murphy, Rich Manuszak and Mike Mueller doing their job on the other end, the Engineers had plenty of offense . . . it just didn't come at the right time.

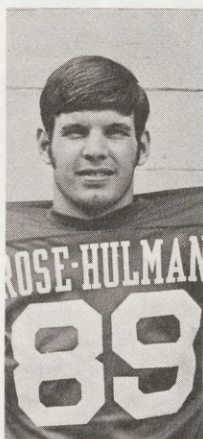
Finally, after almost total disaster against Hanover (21-7), the Engineers turned to a more conservative game. With junior fullback Jerry Bertram coming into his own, the offense clicked

dangerous receiver and Shoaf won no fewer than six ball games since becoming the team's kicker as a sophomore.

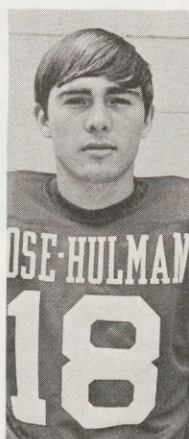
The nucleus of a fine ball club returns, with 17 junior lettermen heading a pack of more than 30 letter winners.

The most honored among the returning juniors is wide receiver Kevin Murphy, the 1971 pass receiving leader who was accorded all-NAIA district honors and was honorable mention on the Associated Press Little All America balloting.

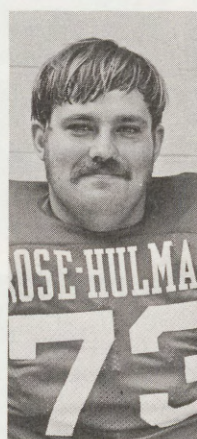
ALL-NAIA SELECTIONS



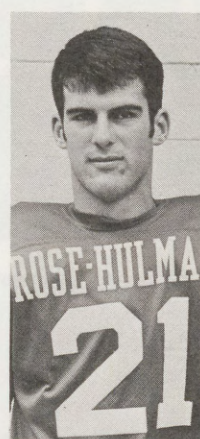
Burgner



Murphy



DeMeyer



Randall

well enough to spoil Illinois College's homecoming 17-6 and win the Engineers' own homecoming against previously unbeaten Iowa Wesleyan by an exciting 18-16 count.

Hopeful of a winning season after all, the Engineers lost to Earlham 14-6 and waited too late in a game of catch-up with a strong Wilmington of Ohio club (37-23) before a Dad's Day crowd.

Four key seniors--Norm Klein, Ed Adams, Dave Burgner and Randy Shoaf--are the only members who will be lost to graduation.

Klein was voted the outstanding offensive lineman, while Burgner was the team's top defensive lineman during the 1971 season. Adams, while slowed by injury the last two seasons, was a

Bill Randall, Jerry DeMeyer and Burgner joined Murphy as All-NAIA selections, the former having coupled the honor with being voted the Engineers Most Valuable Football Player in 1971.

Other juniors honored by the Engineers were Ray Kominiarek as the Outstanding Defensive Back and Genial George Rodibaugh, winner of the Unsung Hero Award.

Greg Morrison was named the team's most improved sophomore, while Jack Farr was the frosh whom Engineer coaches progressed the most in the transition from prep to college ball.

It seems that nearly every year the Echoes is saying, "wait 'til next year." We'll say it again, this time with the prospects of 17 seniors on next year's club.



If you were president of a new college and wished to tailor your alumni program and Homecoming, etc., after one of the finest programs in the world, where would you go for help? Harvard? Yale? Berkeley? Indiana?

Indiana!?!?

Yes, you would go to Indiana, but not the famed campus at Bloomington. Instead you would visit Terre Haute and the campus of Rose-Hulman Institute of Technology in mid to late October.

There you would find the traditional alumni meeting, class reunions, honors banquets, a football game, homecoming queen, floats, bonfire, and so forth. But more importantly, you could not help but see the one ingredient, if you will, that either makes or breaks a Homecoming. It's called loyalty. In the case of "Dear Old Rose" one might call it a school spirit that's "something else."

Homecoming '71--the first ever held under the Rose-Hulman banner--was one of the best in recent years. Precise in nearly every

detail, added bonuses such as a heart-stopping football victory, temperatures in the mid-70s and a tremendous Hawaiian show courtesy of E.E. "Johnny" Black of the Class of 1911 should make Homecoming '71 a weekend long remembered.

It is conservatively estimated that 500 alumni returned to campus for some phase of Homecoming, with the magnitude of attendance being underscored by record number at the annual banquet Saturday night. (The banquet required use of the 70-seat faculty dining room in addition to the main dining area).

Neither an auto crash enroute nor the distance from Coffeyville, Kansas, kept George Voges of the Class of 1909 from enjoying every minute of Homecoming as the oldest alumnus in attendance.

"I've not been back to the campus much," said George, "But how could a guy miss this much fun."

Center stage in Fifty-plus activities, of course, were Johnny

Black and William Baker, members of the Class of 1911 who returned to celebrate their sixtieth reunion.

Black, in addition to having the pleasure of presenting a fine Hawaiian show of dance and music, kept busy greeting old friends and making new ones on this visit to Terre Haute.

The Fifty-Year Club, under the chairmanship of Ruel "Fox" Burns of the Class of 1915, was brought up to date on the recent razing of the Rose building at Thirteenth and Locust streets by former board chairman Richard Bergmann '18.

Then Fifty-Clubbers spun a few yarns about old professors, college pranks and football. Baker and Black of the Class of 1911 figured in one of the big football episodes against Notre Dame.

Black explained it best: "We didn't beat em," he stated, "we scored on em." (The only touchdown scored against Notre Dame in 1910).

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Black was offensive guard on that team and Bill Baker was a halfback, and as "instant replay" has it, the line did a tremendous job and Baker ran for daylight and a touchdown!

Remember the last time the alumni played the varsity on the gridiron? Fifty-plus clubbers were not certain as to the year, but the alumni came out on top 7-6, fisticuffs erupted and the traditional alumni-varsity tradition was ended.

While the very accurately described tales kept the evening lively (Echoes checked the records and found Rose men remember football remarkably well after a half century), highlight of the evening was the induction of the Class of 1921 into the Fifty-Plus Club.



E. E. "Johnny" Black and William Baker celebrate 60th reunion.

Members of the class in attendance were George R. Armstrong, Ray L. Biller, E. H. Carnarius, Hubert Goodman, Sidney Reibel, Robert E. Sewell, C. R. Voges and

Irvin R. Weir. After a rousing chorus of "Dear Old Rose" by the sextet plus two, the Class of '21 received "all the rights and privileges, etc."

Others on hand for the banquet were the aforementioned Burns, Bergmann, Voges, Black and Baker, and Thomas Drake '15, Carr Goldsmith and Robert A. Weinhardt '16, and Leroy Allen, Charles Failing, George Henry, Chauncey McKee, J. E. Orr and Andrew Yatsko of the Class of 1918.

Also, Benjamin Anthony, Fred M. Crapo, D. P. Cromwell, Richard P. Gillum, William McKeen and Ivan S. Mendenhall, all of the Class of '19, and Herman J. Lauterback, Walter L. Osmer and Frederick B. Ray, all of the Class of 1920.



FIFTY-PLUS CLUB--Thirty-two alumni who graduated from Rose 50 or more years ago were on hand for the third Fifty-Plus Dinner. Seated (left to right) are George Armstrong '21, William Baker '11, Walter Osmer '20, Robert Sewell '21, Ray Biller '21, Fred Ray '20, Herman Lauterback '20, Sidney Reibel '21, Irwin Weir '21, Charles Failing '18, Ivan Mendenhall '19, Edwin Carnarius '21, Leroy Allen '18, William McKeen '19, Robert Weinhardt '16 and C. R. Voges '21. Standing (from left) are Ernest Plott '15, Thomas Drake '15, Johnny Black '11, Chauncey McKee '18, Andrew Yatsko '18, George Henry '18, Hubert Goodman '21, Fred Crapo '19, Joe Englehard '22, Benjamin Anthony '19, Richard Bergmann '19, Carr Goldsmith '16, George Voges '09, D. P. Cromwell '15, Richard Gillum '19 and Chairman Ruel "Fox" Burns '15.

The Saturday night Alumni Honors Banquet added to the general Hawaiian theme for Homecoming, complete with orchids flown in from the fiftieth state and the honoring of two of the institute's favorite sons from the islands.

Selected to receive Honor Alumni Awards on the occasion were Maj. Gen. John G. Appel, a 1941 graduate who is director of

mission shortly after graduating from Rose in 1941. He served in the Chemical Warfare Service during World War II, and has since served in the Caribbean, Korea and three posts at the Pentagon.

In November, 1970, he was promoted to major general and assigned as director of Chemical and Nuclear Operations for the Staff for Force Development.

While his service with the

October 1948. He continued his education at Yale University where he earned a master's degree the following year. He is now considered among the western Pacific's leading structural engineers.

Yee entered private consulting work shortly after his return to Hawaii and soon established himself as one of the world's authorities in the field of con-



the Chemical and Nuclear Operations for the Department of the Army in Washington, D.C.; Alfred A. Yee (Oct., '48), president of an internationally-known consulting engineering firm in Honolulu which bears his name, and Dr. Fujio Matsuda (Jan., '49), Director of Transportation for the State of Hawaii.

A posthumous award was given in honor of E. Miles Griffith, a 1923 alumnus who distinguished himself as an engineer and Rose alumni leader. His son, Warren, a 1961 graduate of the institute, accepted the award on behalf of the Griffith family.

A native of Terre Haute, Gen. Appel received his Army com-

Alumni president John T. Newlin (right) presents Honor Alumni Awards to (left to right) Alfred Yee, Fujio Matsuda and John Appel. Yee and Appel are joined by their wives, while Mrs. Marilyn Bisch (wife of John J. Bisch '48 and daughter of the late Ralph Stuart '16) accompanied Matsuda. Warren Griffith '61 and Mrs. Griffith accepted a posthumous award honoring Warren's father, E. Miles Griffith '23 (right picture).

military has limited his visits to the campus since graduation, Gen. Appel returned to Rose-Hulman twice during his thirtieth reunion year -- for Homecoming and last spring as speaker for the R.O.T.C. commissioning exercises at Commencement.

A native of Hawaii, Yee was graduated from Rose-Hulman with a BS in civil engineering in

struction with pre-stressed concrete.

Dr. Matsuda, as director of Transportation for Hawaii, heads the department which supervises the construction, maintenance and administration of the state's highways, airports and harbors.

A native of Honolulu, he came to Rose after attending the University of Hawaii. An honors graduate in civil engineering in 1949, he earned the doctor of engineering from Massachusetts Institute of Technology in 1952.

Rose-Hulman honored one of

Honor Alumni

its most loyal supporters with the presentation of the posthumous award in honor of Miles Griffith, a graduate in chemical engineering.

Although he spent the major portion of his career in Racine, Wis., his work with the Rose Alumni Association and the school was outstanding during his 43 years as an alumnus.

The Terre Haute native moved



to Racine shortly after his graduation from the former Wiley High School and for 35 years was chief distribution engineer for the Racine Water Company prior to his death in 1966.

During this period he served numerous terms as class agent and, in 1963, had the dual responsibility of president of the Alumni Association and chairman of the Alumni Fund.

A familiar figure at Rose athletic events in the Chicago area, and for years as head cheerleader at Homecoming games, Griffith was presented an honor sweater and 1923 letter for his support during the halftime of the 1964 Homecoming.

A surprise presentation followed as Alumni President John T. Newlin Feb. '43, teamed with Board Chairman Benjamin G. Cox in giving a portrait of Dr. John A. Logan to the School on behalf of the RoseTech Alumni Association. Given in appreciation of Dr. Logan's outstanding leadership, the portrait now hangs in Hulman Memorial Union.

Continuing, Cox presented two mementos to Dr. Logan. Said Cox:

"... Talking with Henry Offutt a while back, he informed me that I wouldn't know a buckeye if I saw it. . . .

"Well, this . . . I'm certain . . . is a buckeye . . . plucked from a tree on the old Rose campus downtown . . . we'd like you to . . .," he said, the audience response overwhelming final remarks of the presentation.

Dr. Logan also was presented one of the time-honored bricks from the original Main Building at Thirteenth and Locust Streets

in Terre Haute. Mounted on a handsome piece of Indiana walnut, the memento can be found in the President's Office.

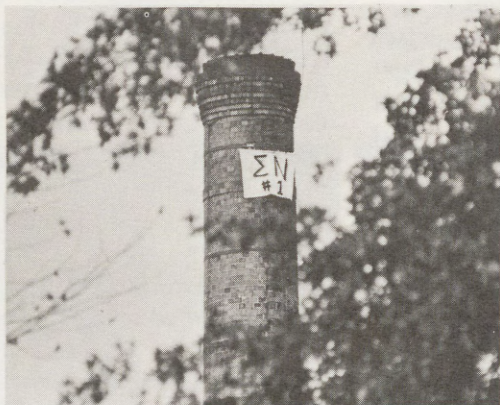
Newlin then turned the alumni president's gavel over to incoming president Richard C. Brown '27, and after Brown passed a well-polished gavel back to Newlin in appreciation of his service as president, some 300 alumni packed into the Auditorium (some still call it Splinter Hall) for the third and final appearance by Charles K. L. Davis and the Halekulani Girls and featured dancers Mamo Howell, Laniuma (Pamela) Hu and Hinano (Pearl) Kuanoni.

The Hawaiian troupe, which had performed a two and one-half hour show in the Shook Fieldhouse Friday night, varied the show to fit the atmosphere of the "Pub" -- moving from the very nostalgic "Back Home in Indiana" by Metropolitan Opera star Davis to instruction in the hula.



Benjamin G. Cox (left), chairman of the Board of Managers, and alumni association president John Newlin (Feb. '43), present a portrait of Dr. John A. Logan to the institute on behalf of the RoseTech Alumni Association. Given in recognition of Dr. Logan's leadership during his tenure as president, the portrait hangs in Hulman Memorial Union.

Highlights (and Sidelights) Of Homecoming



Sigma Nu wins float competition.

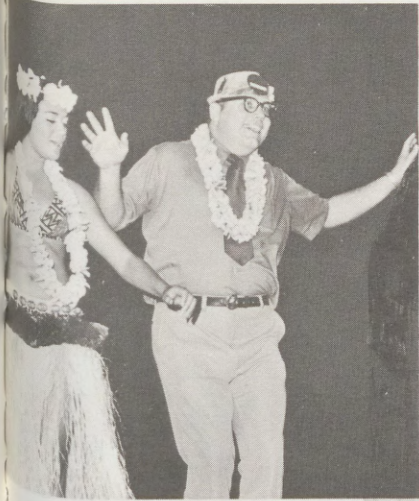


Hawaii Maids



Queen Debbie Noe and lovely attendants (left to right) Sharon Sellers, Susette Kearns, Linda Wilmas and Susan Bogan brightened Homecoming.





Ron Reeves '58, Dean Ralph Ross, Dr. John Logan and Dean Jim Matthews, '54, learn to dance the hula!

Friends visited at Fifty-Plus Club activities.



Engineers Win!



A lei for Tony Hulman





'26

'31

'36



'41

'46

Class Reunions



'51



'56



'61

'66



MINUTES OF ANNUAL MEETING

RoseTech Alumni Association Business Meeting

Saturday - October 30, 1971 - 10 A.M.

The meeting was called to order by President John T. Newlin, Feb. '43, at 10 a.m. in Room B-19 of the Main Building.

The minutes of the meeting of October 24, 1970 were published in the Winter 1971 issue of the Rose Echoes. John D. Anthony, '31, made a motion, seconded by Robert L. Royer, Apr. '49, to accept the minutes as published. The motion was carried.

President Newlin then welcomed the members of the class of 1971 to membership in the RoseTech Alumni Association.

President Newlin then called for reports from the operation committees.

Fund Raising - Vernon E. Whitehouse '40 - Chairman

Vern Whitehouse reported that Thomas L. Reese, '58, Chairman of the 1970-71 Alumni Fund, led a campaign which raised \$92,000 plus for the Institute, with 43.45% of the alumni contributing.

He reported that the goal for 1971-72 is \$100,000, with at least 50% of the alumni contributing. He is asking the Class Agents to set a personal goal of 60% of their classes. To date the Alumni Fund has already received 71 contributions with an average gift of \$45 for a total of \$3,700. The Alumni Fund runs with the academic year from September to September. He stressed that the percentage of giving of the alumni is very important when the administration goes out to solicit gifts from foundations, industries and the like.

Student Recruitment - Fred W. Goetsch '57 - Chairman

Fred Goetsch reported that throughout the last year alumni from all over the country had been busy helping the Admissions Office to attract young men to Rose. Three hundred and fifty-six young men enrolled this September. This is one of the largest classes in the history of the school.

He also told the alumni that he would like for them to sell Rose-Hulman in all contacts which they have. Sell Rose to business associates, sons, and so forth. He would like for the alumni who don't live here in the middle-west to visit high schools on college nights. Just let the Admissions Office know, and they will provide excellent materials to use. Also he would like for the alumni to refer names of prospective students to the Admissions Office. Goetsch said that Rose does not have an overwhelming number of applications, that this year the Admissions Office received less than 600 applications.



RoseTech Clubs - Vern W. Fellows '62 - Chairman

Vern Fellows reported that two new RoseTech Clubs have been formed. Western New York, with Richard Bieman '70 as Acting Chairman, has had a meeting. Florida, with Richard C. Rapson '63 as Acting Chairman, will meet in November.

A total of 26 RoseTech Clubs are now functioning.

Eight RoseTech Clubs have not had meetings prior to Homecoming, but most of them are expected to have meetings yet this fall -- except for Chicago, which has not been active for some time. Tentative thoughts are to dissolve the present Chicago Club and form one club for the Metropolitan Chicago Area and one for Northern Indiana to include Gary, Hammond, East Chicago, Whiting and South Bend.

Vern Fellows urged the alumni to continue to support their RoseTech Clubs, and if there is a need to organize a club in a particular area, to let him know about it. Should the clubs require membership lists, mailings, other secretarial services or require information, they should contact the Alumni Secretary -- Anna Mary Turner. Also that brief reports should be sent to the Alumni Secretary from each club concerning activities, meetings etc.

Awards & Recognition - William Nicewanger '63 - Chairman

William Nicewanger was unable to be present so Ronald G. Reeves '58 gave the report. He explained that this committee is essentially a committee to choose the Honor Alumni Award recipients. This is also the committee to which you should submit names of alumni who you think should receive these awards. Also, names of men who attended Rose but did not graduate should be submitted to this committee for membership in the Association.

The Honor Alumni this year are Maj. Gen. John G. Appel '41, Dr. Fujio Matsuda Jan. '49, Mr. Alfred A. Yee Oct. '48, and the posthumous award will be given to Mr. E. Miles Griffith '28. The Association can award three alumni and one posthumous award each year. Submit your recommendations for honor alumni to Ronald Reeves and he will pass them on to the committee. Then they will go over them and submit their recommendations to the Executive Committee of the Association. Please submit your recommendations for your help is needed in selecting the honor alumni.

Annual Meeting



Continuing Education - Carl Wischmeyer '37 - Chairman

Carl Wischmeyer was unable to be present. John Newlin told about the Alumni Institute that was held on Friday afternoon and was well attended. It was a good program and gave a more thorough outline of the needs for engineers in the future. It also explained what is being done in placement and the plans for the future. He thanked Bill Perkins '60 and Jim Young '63 who contributed considerably to it and he also thanked Carl Wischmeyer, who was Chairman of the Committee.

Homecoming Committee - Roy Mueller '66 - Chairman

Roy Mueller reviewed the schedule of events for Homecoming. He said that we have the biggest turn-out in several years for the banquet. He thanked Ron Reeves for all the work and cooperation he has given him.

50 Year Club - Ruel F. (Fox) Burns '15

Fox Burns introduced the new members of the 50-Year Club who were present. He told what a good time everyone had at the reception and dinner the evening before. The Class of 1921 was initiated at the dinner. Nine members of the Class of 1921 attended the dinner.

Alumni Representatives on the Board of Managers

The Alumni Representatives on the Board of Managers are Fred W. Garry '51 and Adam K. Grafe '25.

Fred Garry said that he had been impressed in the last few years with the outstanding job that the Board of Managers and the Rose Administration have done in carrying out the activities and affairs of the Institute. In an era when almost all private colleges are reporting financial disaster, troubles with their curriculum and what have you, Rose has been able to maintain a reasonably solid path through the woods, mainly through the efforts of an outstanding administration and a faculty that is devoted to the profession of teaching.

The student body is outstanding and the students are well qualified. He noted that he is happy to see that the faculty is stressing design and product quality, concern for the engineering facts of life to the exclusion of some of the more outlandish scientific adventures.

Adam Grafe said that Rose-Hulman is very fortunate to have a Board of Managers composed of men who are

leaders in their respective businesses. He said their devotion to the affairs of Rose-Hulman is nothing short of remarkable and that the reputation of Rose-Hulman reflects their interest.

Roll Call - Anthony G. Blake '31 - Secretary-Treasurer

The roll call was taken by Tony Blake, Secretary-Treasurer of the Alumni Association.

Report of Dr. John A. Logan - President

Dr. Logan gave a report on the state of the Institute. He said that the most important event this past year was the change in name from Rose Polytechnic Institute to Rose-Hulman Institute of Technology. This was a unanimous decision by the members of the Board of Managers. They felt the generosity of the Hulman family to the Institute over the years, which was culminated by the transfer of the Hulman Foundation assets to the Institute, warranted a combination of the two names of Rose and Hulman.

The value of the Hulman Foundation is estimated to be between twelve and fifteen million dollars. The foundation is made up of stocks and bonds, of real estate, and a number of privately, closely held corporations such as the Coca Cola Bottling Company of Indiana, the Terre Haute Tribune-Star, the Richmond Gas Company and Hulman & Company. The foundation will be handled by an Investment Supervisory Committee of the Board of Managers.

One of the points that we on the Board of Managers were very concerned about is that in receiving a large grant such as we received from the Hulman family that the alumni and friends of the school would feel that all of our financial problems are solved, that we are on easy street, and all we have to do is sit back and relax and enjoy the income from the Hulman Foundation.

"When the Hulman's handled the foundation, the objectives were entirely different from the objectives we have. Tony and the foundation were interested primarily in keeping the returns low so as to keep taxes low," Dr. Logan reported. "Obviously, the Hulman gift does give us a measure of financial stability, but we still desperately need your help, your support, your financial contributions in order to be able to operate with a competitive tuition and be able to continue to operate in the black."

Blake '31

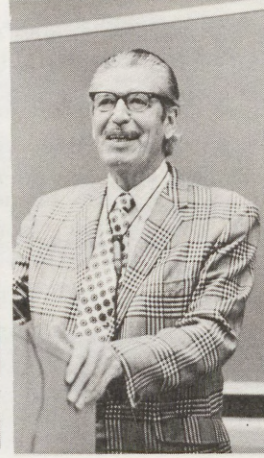
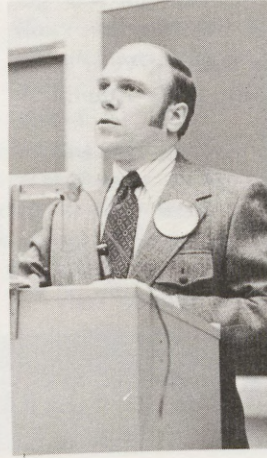
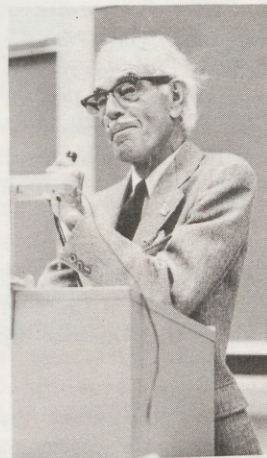
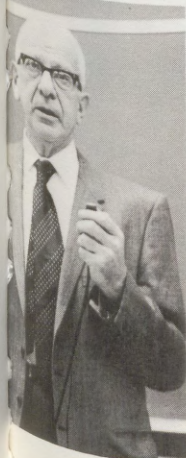
Burns '15

Garry '51

Goetsch '57

Dr. Logan

Whitehouse '40



Happiness Is . . .



A 50-Year-Old College Scrapbook

Dr. Logan discussed the well prepared and well qualified student body, financial assistance to the students, the fact that 100% of the graduating seniors were placed in positions last year, the faculty, administration, and other aspects of the school.

Unfinished Business

There was no unfinished business.

New Business

Tony Blake reported that he had a letter from Ronald G. Reeves '58 requesting that the following be brought before the 1971 Annual Meeting of the RoseTech Alumni Association for action:

"I move that a committee be appointed by the President of the RoseTech Alumni Association to study existing Constitution and By-Laws of the Association for possible additions and revisions. This Committee will present such revisions to the alumni for vote by letter ballot before the end of the 1971-72 school year." The motion was seconded by Roy J. Mueller '66. The motion passed.

Report of the Election Committee

Tony Blake gave the results of the election. Vern E. Whitehouse '40 is the new Vice President of the Alumni Association.

The Vice President who served the previous year will automatically become President for the coming year. He is Richard C. Brown '27.

Report of the Nominating Committee - John B. Stineman - Chairman

Since John Stineman was unable to attend, Tony Blake gave the report of the Nomination Committee.

For Vice President - Frederick J. Bogardus '32 and Thomas L. Reese '58. Another name will be added later.

For Alumni Representative to the Board of Managers - Albert L. Ahlers '32, J. T. Jones '32 and John T. Newlin Feb. '43.

This committee is composed of the last five Association Presidents. This year the members of the committee were John B. Stineman, D. P. Cromwell, Adam K. Grafe, Robert L. Royer and Robert T. Mees.

Election of Secretary-Treasurer

It was unanimously moved and seconded that Anthony G. Blake be reelected Secretary-Treasurer of the Association.

Honorary Degree Recipients

It was moved by Vern Fellows and seconded by Vern Whitehouse that the recipients of the Honorary Doctorates at Commencement in June 1971 be elected to Honorary Membership in the Alumni Association. The recipients included Richard Folsom, Ret. President of Rensselaer Polytechnic; Herman A. Moench, Vice President of Rose-Hulman; Edwin A. Martin, President of Uniroyal Plastics and Industrial Products; Sister Jeanne Knoerle, President of St. Mary-of-the-Woods College; and Mark Morton, Vice President of General Electric Company. The motion was passed and made history in that it is the first time a woman has been elected to Honorary Membership in the RoseTech Alumni Association.

Election of Non-Graduates to Membership in the Association No names were submitted for membership.

John T. Newlin announced that the meeting was adjourned.

Anthony G. Blake, Secretary-Treasurer

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Ford Promotes Howard Freers

Ford Motor Company recently announced the promotion of HOWARD P. FREERS ('48, M.E.) to chief car engineer for the company's Product Development Group.

A native of Indianapolis, Freers joined Ford in 1955 as an assistant supervisor in advanced car engineering and progressed through a series of positions in development engineering, product evaluation and the body and electrical department.

Promoted to an executive engineer in 1962, he since has been chief engineer for powertrain systems and for light and luxury cars.

Howard, who earned a masters degree in automotive engineering from Chrysler Institute in Detroit, is the second of three generations of Rose men. His father, the late George H. Freers, was graduated in 1908. His son, James, 20, is a sophomore at Rose-Hulman.



CHIEF CAR ENGINEER--Howard P. Freers ('48, M.E.), recently appointed chief car engineer for Ford Motor Company, examines a cutaway of a manual front wheel disc brake introduced in some Ford models this year. An executive engineer since 1962, he was chief engineer for powertrain systems and light and luxury cars prior to receiving the promotion.

Plew Promoted

The Richardson Company has announced the promotion of HARRY W. PLEW to general manager of its Lithoplate Division, and vice president of that subsidiary.

The division, located at Orland Park, Ill., produces pre-sensitized offset plates and related chemicals.

A 22-year veteran with the firm, Plew joined Richardson upon graduation from Rose. He has held various positions with the company in the Indianapolis and Chicago area.

Plew was named director of manufacturing and engineering of the Lithoplate Division in 1970.

Headquartered at Des Plaines, Ill., The Richardson Company is a leading supplier of plates, ink and related supplies for the graphic arts industry. In addition, the firm has interests in specialty chemicals, plastics, engineered industrial materials and parts, and consulting and environmental engineering.

FALL, 1971

Vonderschmitt Named RCA Veep

BERNARD V. VONDERSCMITT, the Heminway Medal winner in the July 1944 graduating class, recently was named division vice president, Solid State Integrated Circuit for RCA.



In the new position he is responsible for directing engineering, manufacturing, marketing and application engineering on domestically produced integrated circuits.

Vonderschmitt joined RCA in 1944 as an engineer in transformer and filter design. After naval duty from 1944 to 1946, he returned to RCA and was engaged in deflection system

development for monochrome and color television receivers.

He transferred to the Semiconductor Division in 1959 as Manager of Applications in the MicroElectronics Department and has since held a succession of engineering management positions of increasing responsibility. He was Manager, Linear Integrated Circuit Products until earlier this year when he was named Manager, Integrated Circuit.

Continuing his education in electrical engineering, he earned a M.S. from the University of Pennsylvania. Holder of thirteen patents, he was honored in January as co-recipient of the David Sarnoff Outstanding Achievement Award in Engineering for his efforts and leadership in the timely development of superior integrated circuits for television receivers.

Alumni in the News

Class Notes

'12

RICHARD FISHBACK (E.E.) has moved from Hendersonville, N. C., to Richmond, Ind., to be near his son, Bill, professor of mathematics at Earlham College. Formerly Supervisor of Special Publications for The Firestone Tire & Rubber Company, he retired to Hendersonville in 1957. The move to Richmond brought back memories of his baseball playing days at Rose and several games against longtime rival Earlham. Says the former athlete: "That's a 'heck' of a long time ago!" His current address is 125 Garwood Road, Apt. 304 C, Richmond, Ind. 47474.

'28

GEORGE J. MASON (C.E.), twice retired--in 1956 as a "Bird" Colonel with the Corps of Engineers and in 1971 as Manager, Engineering Division, Public Works Department at NAD Crane, Ind.--is the resident engineer of construction for the new \$5.5 million Freeman-Greene County Hospital in Linton, Ind. He keeps in close contact with Rose, having been a guest speaker for the student chapter of the American Society of Civil Engineers banquet last spring. His current address is 744 N. Washington St., Bloomfield, Ind. 47424.

'29

HERSCHEL E. HYLTON (M.E.), chief rate and valuation engineer for Ohio Edison, was elected a vice president at the organization's annual stockholders meeting recently. The Frankfort, Ind., native began his electric utility career as a student engineer with the Ohio Public Service Company at Warren a year before his graduation and has since served with companies associated with Ohio Elec-

tric in Denver, New York and Cleveland, rising to supervisor in 1953 and chief in 1958. Hylton resides at 2331 Wyandotte Avenue, Cuyahoga Falls, Ohio 44223.

'31

Plaudits are due ROBERT T. MEES (E.E. & M.E.) for his work with the American Society for Engineering Education (ASEE). For some time now Bob has been active in the Relations-With-Industry Division of the ASEE and editor of the Division Newsletter. The expertly edited newsletter provides a forum for improving understanding among educators, industry members and students. Chalk up a plus for a Rose man who is helping to give engineering (and engineering colleges) a good press.

'33

WILLIAM E. BACHELOR (E.E.), U.S. Army retired, has traded the Midwest's winters for the sunny southwest. Having retired from the Army as a Lieutenant Colonel, the Bachelors now make their home at 4625 El Campo Dr., El Paso, Texas. 79924.

'34

DR. RICHARD K. TONER (Ch.E.), professor of chemical engineering at Princeton University's School of Engineering and Applied Science, has been elected to the post of Clerk of the University Faculty. A member of the Princeton faculty since 1942 and assistant chairman of chemical engineering, Dr. Toner's duties are essentially those of the administrative officer of a 650-member deliberative body. After receiving the B.S. Ch.E. from Rose, he continued

his studies at Purdue where he received the M.S. in 1936 and the doctoral degree three years later. Widely known for his work in thermodynamics and unit processes, he is active in the Princeton-based Textile Research Institute, and since 1959 has edited the Institute's *Textile Research Journal*.

In May 1955, after three years of part time study at the General Theological Seminary, New York City, he was ordained a priest of the Episcopal Church. In this capacity Professor Toner is entering upon his 17th year as Priest Associate of Trinity Episcopal Church, Princeton.

HOWARD C. BARNES (E.E.), who for some time now has been the first president of the Power Engineering Society of the Institute of Electrical and Electronics Engineers (IEEE), is taking an active role in the division's new publication released through the IEEE. His contributions have included both the introduction and the abstract and summation of the first two publications covering winter and summer meetings of the IEEE division. Barnes continues as head of the electrical engineering division of American Electric Power Service Corporation, New York City.

H. LOREN THOMPSON (C.E.) reports that Stevens, Thompson & Runyan, Inc., engineers and planners, has acquired controlling interest in the Seattle systems consulting firm of TEMPS Research, Inc., a systems science and management organization conducting research, analysis and problem-solving for social, technical and environmental tasks. TEMPS has been associated with the Seattle office of Stevens, Thompson and Runyan on a subcontract basis, working on the River Basin Coordinating Committee Environmental Program in an innovative systems management approach to pollution abatement on a regional scale.

**Needed: Class Notes
Send News to Echoes**

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'37

HUBERT H. WITTENBERG (E.E.) has assumed a position as assistant professor of physics at Elizabethtown College Elizabethtown, Pa. Having retired in 1970 as senior engineer in the environmental engineering department at RCA, he spent last year as a substitute teacher in science and mathematics in secondary schools Lancaster County where he has resided for a number of years. Hubert took extensive graduate work on a part time basis during his career with RCA, having earned an M.S. from Franklin & Marshall College.

'42

JOHN J. BREHANY (M.E.) is now project manager for the Ralph M. Parsons Company in Los Angeles. Formerly an engineer with Cosmodyne Corporation in Monterey Park, Calif., word of his move reached the Echoes over the summer. Mail may be directed to John at 1391 Sunnyslope Drive, Monterey Park, Calif. 91745.

'43

DR. DARRELL E. CRISS (Feb., E.E.), and his 15-pound "hardback" bass made quite a splash in the Terre Haute Tribune's "Nosey Newshawk" column recently. To quote the Tribune: "Dr. Darrell Criss of Rose-Hulman Institute is bragging about the "hardback" 15-pound bass he caught in his lake at Riley. When asked what kind of bass that is, he just said he ate turtle soup all that week."

'47

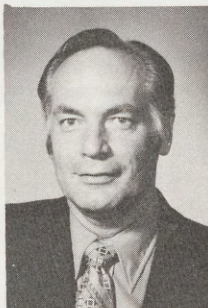
LOUIS W. FELLWOCK (E.E.) is now general manager of Customer Assurance of the Consumer Services Division of Whirlpool Corporation in St. Joseph, Mich. Named to the position Jan. 1 after a tenure as Director, Refrigerator Engineering for Whirlpool, in Evansville, Lou says: "I feel that this is getting into the middle of things in this age of consumerism, and the job has proven to be very stimulating." Fellwock's new address is 4397 Tanglewood Trail, St. Joseph, Mich. 49085.

FALL, 1971

MARSHALL ROESCH (E.E., March '47) is in a new position with The Detroit Edison Company. Formerly a special studies engineer, a recent appointment to Staff Engineer in the System Engineering Department was announced in the September issue of SYNOCHROSCOPE, the utility's house organ. Marshall's current address is 29644 Lori Avenue, Livonia, Mich. 48154.

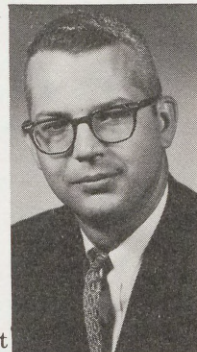
'49

W.E. "HANK" GEORGE (E.E. Nov.) recently was named vice president of Public Service Indiana's Northern Division headquartered in Kokomo. George, who has been manager at Kokomo for the last three years, assumed his new position on August 1. A native of Kokomo, he began his 20-year career with the electric company there in 1951. After holding several positions in the engineering departments at Kokomo he was promoted to substation project engineer at the company's general headquarters at Plainfield in 1960. Two years later he returned to Kokomo and held positions in the engineering and customer service departments. Active in community affairs he is chairman of the Industrial Development and General Aviation committees of the Kokomo Chamber of Commerce; past president of the Kokomo Pilot's Club; past president of the Kiwanis and a member of Rotary and the Aviation Owners and Pilots Association. The Georges reside at 2919 Bagley Drive in Kokomo.



'56

RALPH D. LOCKHART (E.E.) has been promoted to Field Marketing Manager, Paper Industry Division of Industrial Nucleonics Corporation with the responsibility of coordinating all sales activities of the division's field marketing force in the United States. The promotion came in June and involved a move from Cincinnati to Columbus. Lockhart



joined Industrial Nucleonics in 1960 and has served the company in both manufacturing and marketing capacities, his most recent position having been Central Regional Marketing Manager for the division he now heads. The Lockharts now reside at 7341 Riverside Drive, Dublin, Ohio 43017.

JOHN S. CHINN (Ch.E.), recently was promoted to Manager, Chemical Engineering Research and Developmental Chemicals with the BASF Wyandotte Corporation, Wyandotte, Mich. Following a short tenure with E. I. DuPont de Nemours and graduate school in business administration at Northwestern (M.B.A., '58), he joined Wyandotte Chemicals where he was closely involved in the planning and start-up of a new facility at the company's North Works. In addition to the promotion, he had an article entitled "Project Decision and Control" published in the June 1971 issue of *Chemical Engineering Process*. The Chinnns live at 26658 Lawrence Drive, Dearborn Heights, Mich. 48127.

WHEN YOU CHANGE YOUR ADDRESS

Please let us know, in advance if possible, what your new address will be. Send us the new address and any other changes pertinent to permanent records. The post office won't forward your copy of The Echoes unless you pay extra postage, but we will see that you receive the publication without interruption. Write to: Alumni Office, Rose Hulman Institute of Technology, 5500 Wabash Avenue, Terre Haute, Indiana 47803.

STANLEY R. CARPENTER (E.E.), received the Ph.D. in philosophy of science from Boston University in May. His doctoral dissertation was entitled "The Structure of Technological Action." Dr. Carpenter, who taught physics at Rose from 1956 to 1960, has returned to full time teaching and research at Texas A & M University where he is assigned as assistant professor of philosophy. He earlier had earned an M.A. from Boston University in 1962. Dr. Carpenter's new address is 1637 Puryear Drive, Apt. 101, College Station, Texas 77840.

'58

Congratulations are due DR. ERNEST R. DAVIDSON (Ch.E.) for winning the 1971 Medal of the International Academy of Molecular Science. The Academy, which is limited to 25 of the world's most distinguished molecular quantum scientists, presents the medal each year for the most significant investigation in the field. Dr. Davidson, professor of chemistry at the University of Washington, received the award for his research on the theory of bonding of small molecules, and the development of a new technique, now also being used by other scientists, for conducting studies of the problem. The Heminway Medal winner at Rose in 1958, he has taught at the University of Washington for nine years, and in addition to his teaching and research is the Coordinator of Undergraduate Studies of the department. Dr. Davidson's address is 1912 N.E. 73rd St., Seattle, Wash. 98115.

CARL T. "ROCKY" HERAKOVICH (E.E.) recently was promoted to associate professor at Virginia Polytechnic Institute and State University, Blacksburg, Va. A member of the engineering mechanics faculty since 1967, he earned his M.S. from Southwest Missouri State in 1962 and his Ph.D. from Illinois Tech in 1968. Rocky's current address is 111 Stonegate Drive, Blacksburg, Va. 14060.

Mark Your 1972
Calendar Now

National Engineers Week
February 20-26

Parents' Day
April 22

Commencement
May 26

Homecoming
October 20-21

'60

JAMES R. MONTGOMERY (Chem.), who works in process licensing for Monsanto's Enviro-Chem Division in St. Louis, is becoming quite a world traveler in his position of assisting in selling and servicing Monsanto processes to other. Included in his travels are Latin America, West Indies, and the South Pacific; pending assignments will take him to South America, Africa and Afghanistan. Montgomery resides at 1723 Shallowbrook Drive, Creve Coeur, Mo. 63141.

'61

ED F. AYERS, JR. (M.E.), has been transferred to Charlotte, N.C. and a position as plant process engineer for Union Carbide Corporation. Ed reports they survived the moving (just barely) and are now enjoying the mountains and sea coast in spare time. Formerly a market analyst for the Coatings Services Division of the corporation, Ayers completed an M.B.A. in 1967. The Ayers' new address is 2309 Vail Avenue, Charlotte, N.C. 28207.

WILLIAM A. CARTER, JR. (Ch.E.) has been promoted to supervising engineer in charge of the Air and Water Control Department of Inland Steel Company in East Chicago. Formerly a research engineer with primary responsibility in the department he now heads, Carter also lists a new address: 3210 Watling Street, East Chicago, Ind. 46312.

'62

DR. STEPHEN D. BAN (M.E.), has been named Chief of Fluid and Gas Dynamics research at the Columbus, Ohio, laboratories of Battelle Memorial Institute. As such, he will direct and coordinate studies involving transport phenomena, fluid mechanics and heat transfer problems. Dr. Ban, who earned his M.S. and Ph.D. at Case



Institute, joined Battelle-Columbus in 1967 and since has conducted research on atmospheric reentry ablation and boundary layer solution techniques, and has been associated with studies concerned with the diffusion of pollutants in the urban boundary layer, the energy conversion of the heart muscle, and the rheology of complex fluids.

WILLIAM R. BROWN (Math) and his wife, Moyra, recently visited Moyra's native Scotland to show off their son, Malcolm Roland. Young Mr. Brown, who will be a year old in December, was christened during the trip. Bill completed his Ph.D. at Indiana State University last Winter, receiving the degree in June. Title of his dissertation was "A study of the Perceived Influence of Significant Others on Career Interests: Expressed vs. Inventoried." Bill, who continued his education at ISU in guidance and psychological services, is Director of Student Activities, Washington State University, Pullman, Wash.

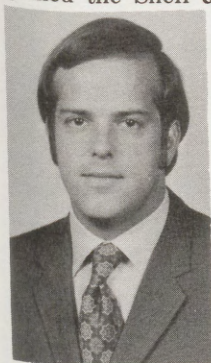
DR. RICHARD H. THOMPSON (Physics) has joined the staff of the Los Alamos Scientific Laboratory in New Mexico to work with the Theoretical division under the auspices of the postdoctoral program. Prior to taking the postdoctoral post he taught at the University of Florida in Gainesville and Drexel University

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in Philadelphia. Following his graduation from Rose, he continued his studies at Case-Western University in Cleveland where he earned the M.S. and Ph.D. in Nuclear Physics.

'63

R. NEIL IRWIN (C.E.) was graduated Cum Laude from the Indiana University School of Law in Bloomington in June and has since joined the Snell & Wilmer law firm in Phoenix, Ariz., in the corporate division. Irwin worked for Caterpillar Corporation in Peoria, Ill., the Fletcher Construction Company in Texas, and spent two years with the U.S. Army Corps of Engineers in



France prior to entering law school. While in law school he was assistant editor of the Indiana Law Journal and was elected to the Order of the Coif, law honorary. Irwin and his wife, the former Michele Ellis of Terre Haute, reside at 6240 North 16th St., Apt. 31, Phoenix, Ariz. 85013.

DARYLE E. RIEGLE (E.E.), associate professor of mathematics and physics at Vincennes University, received a Ph.D. in electrical engineering from Purdue University during the annual Commencement in June. Dr. Riegle, who earned his M.S. at Purdue in 1967, has been on the Vincennes University faculty since 1964 where he has taught mathematics, physics and second year engineering courses. This fall he will be in charge of instruction in thermodynamics, statics and kinetics at the rapidly-growing junior college. Dr. Riegle's thesis was written on the subject "Topological Properties of Matrix Signal Flow Graphs," and is being followed by a number of allied articles submitted for publication. He and his wife, Karen, have two sons, ages four and five, and reside at 1508 Kimmel Road, Vincennes, Ind. 47591.

FALL, 1971



CAPT. TERRY L. SCHULTZ ('66, E.E.), has been named Outstanding Junior Officer of the Year at Eglin Air Force Base, Florida. Captain Schultz, an electronics engineer, was selected for his leadership, devotion to duty and professional performance and received the Robert W. Sullivan Memorial Award for his achievements. His wife, Vida Ann, is shown with him as he accepted the award at a recent ceremony at Eglin AFB.

'64

CAPT. ROBERT N. COLTHARP (Chem.) has been in the news recently due to his research for NASA of the earth's upper atmosphere. A five-minute film featuring his work was aired on television following the Apollo 15 moon landing. Bob, incidentally, comes over quite well on the "tube." His work will eventually play a role in the design of sensors to be utilized by such programs as the earth-orbiting Skylab to be launched in 1973. In addition to this recognition on national television, he recently had an article published in the Journal of Chemical Physics and has two more in press. Assigned to the U.S. Manned Spacecraft Center in Houston, the Coltharps reside at 1545 Silverpines Road, Houston, Tex. 77058.

THE REV. DAVID G. CRIPE (M.E.) has been called to pastor the First Baptist Church of Jackson, Minn. The call is his first full-time

responsibility in the ministry following his recent graduation from Western Baptist Seminary, Portland, Ore. The Rev. Mr. Cripe and his wife and daughter currently reside in temporary parsonage facilities at 135 Bluff Avenue, Jackson, Minn. 56143.

'66

JAMES G. LARSEN (E.E.), received a Master of Engineering degree in electrical engineering from Iowa State University, Ames, during the August Commencement exercises. His thesis was on "Application of Transistor Charge Storage." Following his graduation from Rose he joined Collins Radio Corporation in Cedar Rapids, Iowa, and began part time graduate study. Larsen currently is staff instrumentation engineer for the chemistry department at Northwestern University, Evanston, Ill. He resides at 448 South Vail Avenue, Arlington Heights, Ill. 60005.

DARRELL L. MILLNER (Math) has taken a position as a communications analyst for the Associates Marketing and Computer Services Company in South Bend, Ind. Having made the move last February, he formerly was an associate engineer for The Boeing Company in Des Moines, Wash. Darrell's current address is 202 North le Boulevard de la Paix Apartment 2531, South Bend, Ind. 46615.

'67

One of the key personnel monitoring and directing Apollo 15 and the seventh U.S. manned space flight to the moon was Rose man RICHARD K. OSBURN, a 1967 graduate in mathematics. Osburn, a member of the technical staff at the NASA Manned Spacecraft Center, Houston, served as a flight mechanics engineer in the flight control division. During the most recent Apollo moon shot he served at Mission Control Center and was specifically assigned to navigation aspects of the mission. Having joined NASA upon graduation, he has been closely associated with the last five shots. In his sparetime Dick is becoming quite an ace on water skis, having placed high in the national championships two years ago.

PATRICK H. CAHILL (C.E.) recently completed a Master of Business Administration degree from Indiana State University. Cahill, is employed by Wabash Valley Asphalt Co., and resides at 400 Meadows Drive, Terre Haute, Ind. 47803.

'68

CRAIG H. WEERTS (M.E.) has been appointed to the position of Market Data Analyst for Cummins Engine Company, Inc., in Columbus, Ind., following completion of a Masters of Business Administration from Indiana University. Weert went with the Packard Electric Division of General Motors in Warren, Ohio upon graduation, and later participated in the Cummins internship program from 1969-71. Weertz and his wife Sue reside at 2674 Pearl St., Columbus, Ind. 47201.

BENN J. BRADBURN (Ch.E.) has left Procter & Gamble Company for a position as production supervisor for the Wishbone Division of Thomas J. Lipton, Inc., in Kansas City, Mo. According to Benn, his job is a second-line production management position, with full responsibility for processing and packaging the entire Wishbone brand of salad dressings--both consumer and institutional. Benn has approximately 100 workers and four foremen who report to him and presently is working towards upgrading three areas: quality, productivity and cost. His new address is 4628 North Highland, Kansas City, Mo. 46116.

DR. PHILIP M. GERHART (M.E.), Heminway Medal winner in 1968, is the first member of his class to complete a Ph.D. Phil completed his work at the University of Illinois over the summer and has since assumed a position as assistant professor of mechanical engineering at the University of Akron, Akron, Ohio. He suggests that mail be sent in care of the Department of Mechanical Engineering, The University of Akron, Akron, Ohio 44304.

ROBERT H. JANES (Math) is currently teaching and doing graduate work in computer science at Kansas State University, Manhattan, Kan., following his release from service with the U.S. Army at Fort Riley, Kan., where he was assigned as a computer programmer. His new address is 1005, Manhattan, Kan. 66502.

'69

JOHN A. JACOBI (M.E.), has been transferred to St. Louis and a new post with the U.S. Army Materiel Command. He earned a M.S. in industrial engineering from Texas A. & M. in December, and since has joined Alpha Pi Mu, industrial engineering honorary and in April was graduated from the Production Design Engineering Program. John has been admitted to the St. Louis University Law School and plans to begin work this fall. The Jacobis new address is 1734 Limetree Lane, Creve Coeur, Mo. 63141.

THOMAS O. MICHAELIS (M.E.), has been commissioned a second lieutenant in the U.S. Air Force upon graduation from Officer Training School at Lackland Air Force Base, Texas. He currently is assigned to Reese Air Force Base, Texas for pilot training. Prior to entering the military Lt. Michaelis was employed by the York Division of Borg-Warner Corporation as a industrial sales engineer in New Orleans.



DONALD A. BATH (Chem.) is now continuing his graduate study in chemistry at Montana State University after having taught at Northern Montana College last year. He was co-author of a paper presented at the Northwest Regional Meeting of the American Chemical Society in June. According to Dr. Frank Guthrie's excellent *CHEM NEWSLETTER* Don's "fishing and hiking seems to be associated with securing samples for analysis by atomic absorption. By early summer the gold find amounted to eleven cents." Don's current address is Chemistry Department, Montana State University, Bozeman, Mont. 59715.

DOUGLAS W. ROOF (E.E.), who recently was transferred from Monroe, La., to Dallas, Tex., is working as a district sales engineer for General Electric Company in the company's Dallas office. Having joined General Electric upon graduation, Roof is now in his fourth location as part of the company's sales engineering training program. The Roofs now reside at 1215 Holly, Apartment 23, Irving, Texas 75061.

HENRY W. KEAHEY (Ch.E.), who recently completed a two-year tour of duty with the U.S. Army, has begun study toward a Masters in Business Administration at Indiana University, Bloomington. Henry's new address is 448 East 2nd St., Bloomington, Ind. 47401.

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Help Us Find These Rose Men

Rose-Hulman does not have addresses on the following list of Rose Men. If you know their whereabouts, or could suggest someone who may be able to help us locate these men, please send the information to Rose-Hulman at your earliest convenience. Our goal is no "lost Alumni" list.

1904	1928
William H. Randall	Othel S. Calhoon
1906	1931
Frank A. Delle	Emil J. Earl
John M. Johnson	Tom D. Irvine
1907	1934
Earl G. Albin	Rufus Danner
Erwin J. Miner	Robert C. Larsh
Alonzo D. Schofield	Marshall C. Powell
1908	1935
Floyd W. Corson	Emmett J. Cody
Paul B. Hamilton	1938
John F. Robbins	Thomas G. Reed
1911	Andrew C. Reynolds
Kenton R. Garst	1939
1912	Luther L. Yaeger
Donald M. Hubbard	1940
1914	Emil G. Christiansen
George O. Klingman	1941
1916	John E. Tracy
William H. Motz	Feb. 1943
John F. O'Brien	Antonio Bogan
1919	James F. Armacost
Arthur L. Ervin	July 1944
Adolph A. Geiger	William S. Mitchell
1921	F. Dayle Price
Joseph T. Ferrell	June 1947
1924	Frank M. Beeler
Edgar A. Wilson	Lyndon E. Everly, Jr.
1925	Dec. 1947
Michio Sato	Fausto D. Bogan
1926	Marvin B. Koontz
R. H. Aitken	Ronald E. Larson
1927	March 1948
Robert K. Sato	Martin J. Babich
Wilbur L. Wilson	John J. Bisch
	Oct. 1948
	Albert W. Buescher
	Willis I. Hudson
	James W. Leonard
	Herbert B. Sliger, Jr.
	Orville L. Stone

Dec. 1948
Kenneth Wise
Jan. 1949
Ward L. Newgent
John W. Norwalk
April 1948
Robert E. Brettell
J. William Kepler
Jack Snyder
Lyle A. Weiss
July 1949
Richard Fairbrother
Charles D. Owen
Nov. 1949
Willard K. Ham
Maurice D. Hunt
A. Donald Stolzy
Feb. 1950
Harold G. Forsythe
Ray G. Gilmore
1951
H. Eugene Burris
Eugene H. McDonald
1952
Carl H. Bals
Wayne M. Barker
Robert J. Skidmore
Carl R. Vaughn, Jr.
1953
Edward J. Emmer
1954
William B. Lamb
1956
Henry H. Case
Jerry R. Fromholz
Charles R. Hayward
Arthur W. Mason
1957
James E. Calabro
1958
Oliver I. Case
Jay S. Stevens
1959
Richard A. Reeves
1960
John F. Eddington
Richard R. Slater, Jr.
1961
Lawrence G. Shabi
Michael D. Sprague

1963
Marvin E. Barkes
Dale A. French
Ronald J. Susemichel
1965
James A. Bullard
Clarence E. Delporte
Micha Gazit
Thomas T. Yoshida
1966
Richard F. Bonelli, Jr.
Paul T. Chen
Thomas Daugherty
Wilfred S. Otaguro
Michael G. Prather
Larry R. Shuman
Earl T. Sutter II
Jerry R. Thomas
Nguyen Trien
Richard Paul Blakely
1967
David R. Batson
John D. Gibson
John F. Graves
Charles R. Hopper
James W. Kane
Kim D. Saunders
Gohlam A. Semsarzadeh
Lt. Carl E. Smith
William S. Ataras
1968
Carl J. Bauer
Ricardo A. Bloch
Kenneth Culp
R. Toerki Witoelar
1969
Joseph W. Adams
Robert V. Branton, Jr.
James W. Davis
Gordon L. Higbee
David B. Moore
Michael L. Morris
Robert A. Patterson
David L. Patton
Tom Thuerbach
1970
Sidney L. Stoffer
Charles D. Woodard
1971
Anthony Sullivan

CAPT. MORRIS BELKNAP (Math-Econ), recently completed a 17-month tour of duty in Germany with the 32nd Army Air Defense Command, and stopped by Rose while on leave in August on his way to Vietnam. "Moe" is due to be released from the Army in June '72 and is planning to pursue a graduate degree in business administration at that time, although he has not chosen the school. Meanwhile, Capt. Belknap is "delighting in the automotive pleasures of his German Porsche 914/6." Mail may be directed to Morris at 351 Mockingbird Valley Rd., Louisville, Ky. 40207.

'70

RODNEY A. SMITH, (Math-Econ), has been commissioned a second lieutenant in the U.S. Air Force upon graduation from Officer Training School (OTS) at Lackland AFB, Tex. Lieutenant Smith, selected for OTS through competitive examination, is being assigned to Laredo AFB, Tex., for training as a pilot. Smith and his wife, Sherri, reside at 2307 Penn Rd., No. 346, San Antonio, Texas. 78227.

LT. ROBERT L. COMBS, JR. (E.E.), has been assigned to the Communications Systems Agency at Fort Monmouth, N. J., following communications school there. Bob joined Indiana Bell Telephone Company as a management assistant upon graduation and spent 11 months with the utility before his call into the Army and the basic course at Ft. Gordon, Ga. Lt. Combs' current address is 202 B Eaton Crest Drive, Eatontown, N. J. 07724.

2ND LT. JAMES J. CONNERLEY (M.E.), currently is in the U.S. Army Primary Helicopter Course at Fort Wolters, Texas. Lt. Connerley entered the service in April after working as an engineer for FMC Corporation in Cedar Rapids, Iowa, since graduation. His address during the period of time he is in helicopter school is 2nd Lt. James J. Connerley, 312-52-4103, HZ 1st OSC, USAPC/5, Fort Wolters, Texas 76067, or R. R. 1, Marshall, Ind. 47859.

In Memoriam

'07

BASIL G. WHITLOCK (X) died August 31 in Terre Haute. Long active in the Alumni Association and Wabash Valley RoseTech Club, he was a retired farmer and former owner of Riverside Auto Wrecking Company in Terre Haute.

'12

ROLAND C. REHM (M.E.), who prior to his retirement was a patent lawyer in Chicago and Washington, D.C., died June 2 in Leesburg, Va., where he had made his home for some time.

DAVID G. WALLER (Ch.E.) has completed basic training at Lackland Air Force Base, Texas, and has been assigned to Presidio of Monterey, Calif., for training as a language specialist. Prior to entering the Air Force he was a technical service engineer for Standard Oil Indiana, American Oil Company, in Galveston, Tex. Mail may be directed to Airman Waller at 2239 Lee Loop, Oxford, Miss. 38655.



1ST LT. THOMAS L. BADER (Ch.E.), is serving with the U.S. Army Support Command near Tan Son Nhut, Vietnam. He is assigned as a platoon leader in the 14th Quartermaster Platoon of the Command's 266th supply and service battalion with responsibility for liaison between three civilian oil companies and the Army in providing fuel for the airfields at Tan Son Nhut. Due for R & R in November or early December, Lt. Bader expects an "early out" from the Army in January. He has a position awaiting him with Du Pont de Nemours Co., Inc.

'14

VERE S. CALVIN (M.E.), owner of a hardware business in Rochester, Ind., since 1937, died Sept. 12 in Rochester. A native of Rochester, he had been associated with the McMahan Construction company prior to entering private business.

'16

DAVID W. HITE (M.E.), retired accountant for Cities Service Oil Company in St. Paul, Minn., died May 29, 1971. For several years Mr. Hite had spent his winters in Florida and warmer months at Lake Geneva, Wis., keeping very active in both locations as a class agent for the Class of 1916.

'19

CLARENCE E. PIGG (Ch.E.) head of engineering and operations superintendent of the Petersburg & Hopewell Gas Company for a number of years, died July 2 in Petersburg, Va.

'23

H. J. (JACK) McDARGH, JR. (C.E.), retired Southeastern Regional Manager for the Portland Cement Association, died Aug. 11 in Pompano Beach, Fla. Having joined Portland Cement shortly after graduation, he was regional manager in Atlanta from 1937 until his retirement in 1966.

MORGAN WESLEY, JR. (Ch.E.), retired research metallurgist for Indiana Steel & Wire Company in Muncie, died April 20. Associated with steel during his career, he was with Indiana Wire from 1944 until his retirement.

'47

ROY R. BAKER, JR. (Ch.E.) a chemical engineering researcher for Swift and Company, died July 24 in Chicago. He joined the company upon graduation and held a number of positions of increasing responsibility leading to a position as Research Associate.

ROSE TECH CLUBS

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James F. Young, '63, Treasurer

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