

11-1969

Volume IX - Issue 6 - November, 1969

Echoes Staff

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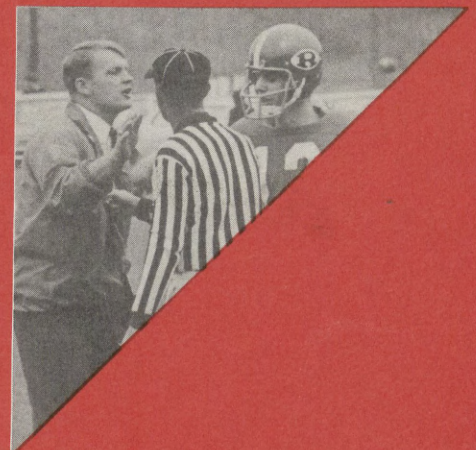
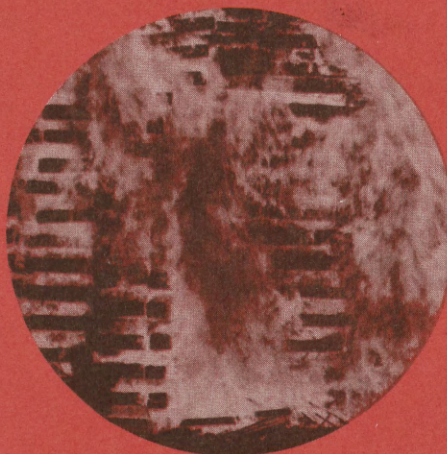
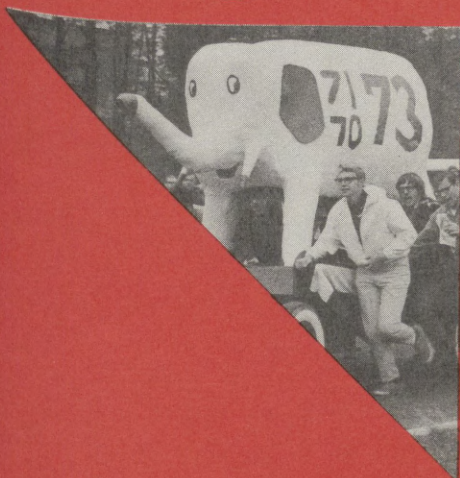
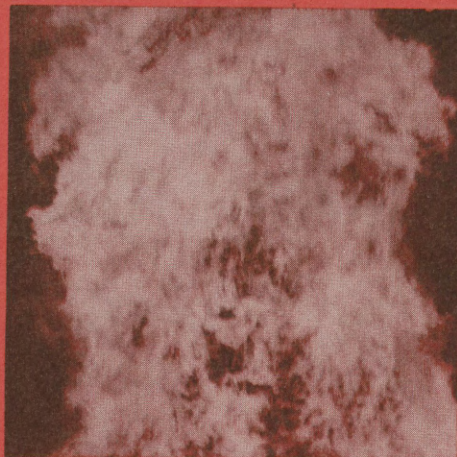
Staff, Echoes, "Volume IX - Issue 6 - November, 1969" (1969). *Rose Echoes*. 115.
https://scholar.rose-hulman.edu/rose_echoes/115

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ROSE ECHOES

ALUMNI MAGAZINE

WINTER, 1969



Homecoming Issue

ROSE ECHOES

Alumni Magazine

November, 1969

Vol. IX, No. 6

ROSE ALUMNI ASSOCIATION

EXECUTIVE OFFICERS 1969-70

Robert T. Mees, '31, President

John T. Newlin, Feb. '43, Vice President

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

CHAIRMEN OF OPERATING COMMITTEES

1969-70

Homecoming Vern W. Fellows '62

Fund Raising William R. Gray, Aug. '50

Student Recruitment Owen H. Meharg '54

Rose Tech Clubs Gene L. Mrava '57

Awards and Recognition
William Nicewanger '63

Continuing Education
Carl R. Wischmeyer '37

ALUMNI MEMBERS OF THE

BOARD OF MANAGERS

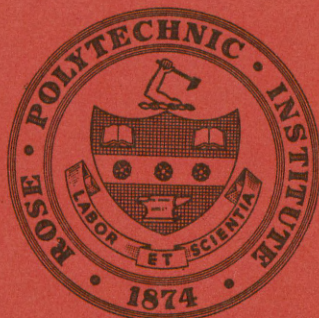
Russell E. Archer, Sr., '34
1966 to Annual Meeting 1970

Fred W. Garry April '51
1968 to Annual Meeting 1972

ROSE ALUMNI OFFICE

Terrence R. Barton Alumni Director

W. Kent Harris Editor, The Echoes



A CHALLENGE TO ALL ROSE ALUMNI

Greetings to the more than three thousand living alumni at Rose. It is truly an honor that you allow me to serve you as your association president. I am humbly grateful and pledge you my best effort.

The Rose Alumni Association exists for the benefit of all alumni. Your interest, participation, and involvement is necessary if you aim to get value received. The Association has been formed for cooperation and unanimity of action in matters pertaining to the interests of the Institute. Also, we exist for the purpose of promoting and maintaining a feeling of good fellowship among the alumni.

The concern of your officers is your concern: That the Institute continue to attain the results for which it is established. Managing for these results requires the personal involvement and commitment of us all. Specifically involved here are the Association's operating committees. Take a look at the chairmen listed. Determine to support them when asked. High on this list is the important task of Alumni Fund Raising, Student Recruitment, the Alumni Institute for Continuing Education and, of course, the 1970 Homecoming event.

The decade has seen man on the moon. One small step for man--one giant leap for mankind. Entering the decade of the 70s let each of us become more involved with Rose and its alumni affairs. Write and tell me how you would like to serve!

Robert T. Mees, President
Rose Alumni Association

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The Cover

The Cover is an overall photographic view of Homecoming '69 set to the theme of the geometric Rose, official logotype of publications at Rose Polytechnic Institute.

Published January, March, May, July, September, and November by Rose Polytechnic Institute at Terre Haute, Ind. 47803. Second class postage paid at Terre Haute, Ind. Acceptance for mailing at special rate of postage provided for in section 1103, Act of October 3, 1917, authorized December 13, 1918.

Across the Campus

The first quarter of Rose Polytechnic Institute's 95th year can best be described as one of peak efficiency.

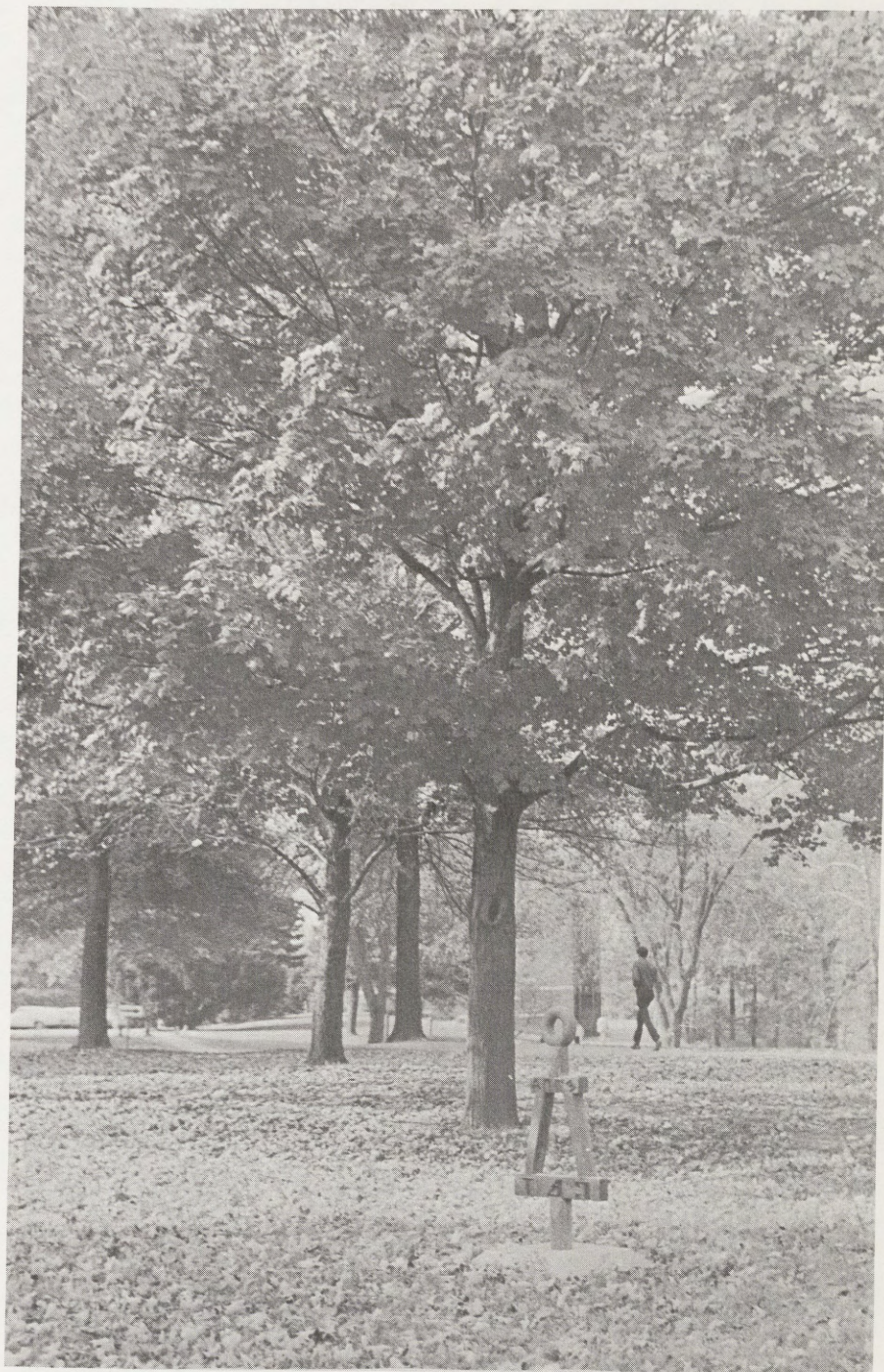
For when classes resumed October 1, the faculty was faced with the largest enrollment in the history of the school (1,021) and the task of getting a record 374-man freshman class "off on the right foot" in the rigors of what alumni appreciate as one of the toughest programs in engineering and science anywhere.

Briefly stated, the Main Building is bulging at the seams! Analysis of Rose's current classroom usage shows our utilization to be well above schools of Indiana and the nation. This current classroom shortage has forced use of every nook and cranny — a difficult situation which the school is hopeful of alleviating in the near future.

A report compiled by Dr. Darrell E. Criss (Feb. '43), Dean of the Faculty, points out that classrooms are in use 81 percent of the available time, and in some instances as much as 93 percent of the time. Rose, in fact, has its classrooms filled about 10 hours a week more than most college and universities.

Critical as the need for space is, the overall operation has been smooth. The school launched new degree programs in aerospace engineering and computer science this fall, and received good response to both programs.

Work on the new laboratory building for Mechanical and Aerospace Engineering continues, with a portion of the laboratory equipment scheduled to be moved from the Main Building to the new structure over the Christmas Vacation.



Although the Main Building corridors are over populated, there is still plenty of elbow room on the Rose campus. Student walks on familiar senior walk which leads from the Main Building to Deming Hall and Hulman Union north of the lake.

Frosh Motivator

In a move to motivate students to feel enthusiasm for a career in engineering and science, Rose this Fall offered OR-114 (Investigation in Engineering and Science) for the first time and was pleasantly surprised when 140 young men enrolled for the course.

Primarily designed to harness the student's natural interest and enthusiasm to power his own education, the course introduces him to the exciting set of tools which makes it possible to transform what might be a dull body of information into exciting and meaningful knowledge.

The course is offered on a pass-fail basis, with students (approximately 40 percent of the freshman class) being divided among a list

of 20 modules. Inasmuch as there was a wide variety of modules, more than 80 percent of the students were accommodated in their first choice module. Only 11 students had to settle for third choice.

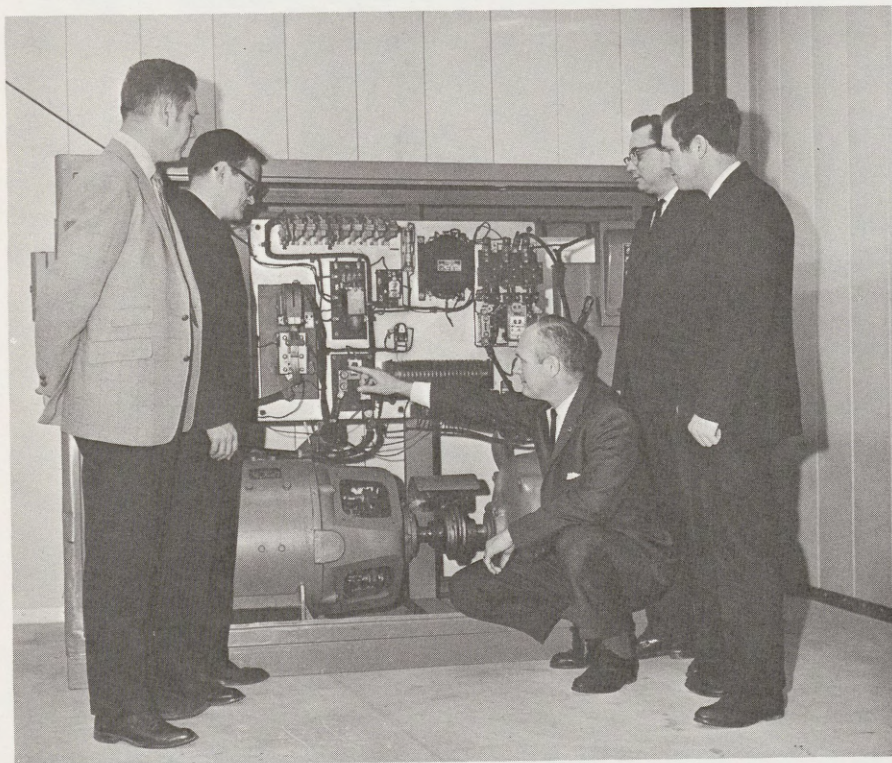
The modules range from one in "High Energy Particles" in the physics department to "Cardiac Intensive Care" in the biological engineering department, with no more than nine students involved in any one module.

The course not only has been popular with the freshman class, but has been met with much enthusiasm by the faculty.

As one faculty member puts it, "When you get some 20 faculty members from seven or eight different areas in solid agreement about something, it's got to be good."

The freshman projects series is under the direction of Dr. Alan T. Roper, associate professor of mechanical and aerospace engineering, and includes the following study areas: (1) Acoustic Investigations; (2) Astronomy; (3) Blood Pumping; (4) Cardiac Intensive Care; (5) General Chemistry (5 sub-modules); (6) Computer Problems (3 sub-modules); (7) Cosmic Rays; (8) Instructional Films: Physics; (9) Atomic Lattice Structure; (10) Simple Matrices; and (11) Studies in Mechanics.

Also, (12) Radiation Properties; (13) High Energy Particles; (14) Pollution; (15) Math Problem Solvers; (16) Wind Tunnel Design; (17) Computer Oriented Calculus; (18) Instructional Films: Math; (19) Laser Optics; and (20) Basic Relationships.



POWER FOR 'BIG BREEZE'—Robert Pease (Feb. '43), technical director for research and development of Visqueen Division of Ethyl Corporation, makes a point about the 100-horsepower generator set the company donated to Rose for use in the school's new aerospace engineering laboratory. Others in the photograph are Robert Newby ('58), engineering superintendent for Visqueen; Dr. James B. Matthews, chairman of mechanical and aerospace engineering at Rose; John Whitworth ('60), Visqueen electrical design engineer and Tom Robison ('69), Visqueen project engineer.

Preps Select Rose

After three months of travel and visits to 400 high schools, the Rose admissions picture is even brighter than it was a year ago when the admissions office "sold" a record 375 preps on Rose.

Applications for admission as freshmen next fall are up by 100 to 433 prospective students. Two hundred ninety-five applications—or 63 more than this time a year ago—have been approved, but perhaps more impressive is the 197 deposits received as of late November.

In addition to work by Duncan C. Murdoch, director of admissions, and his staff consisting of Charles Howard and Randall Reifers, a number of alumni have played an important role in student recruitment.

Fred Goetsch ('57), Indianapolis, is working with Reifers on a continued program through the Rose Alumni Association, while a number of Rose Tech Clubs are

becoming involved with student recruitment or financial support for Rose's unique "Operation Catapult" program for preps.

Most recently, the Wabash Valley Rose Tech Club and some 20 alumni who work in the Terre Haute area hosted more than 100 prospective students at an "Industrial Safari." Students spent approximately two and one-half hours with engineers in their plants and laboratories and got a first-hand view of what engineering is all about, after which the Rose Tech Club treated them to supper at Hulman Memorial Union on the Rose campus.

A similar program drew 70 students from a three-county area last year.

Interview Boom

A general tightening of the nation's economy is being reflected in senior placement interviews this fall, according to figures of Paul B. Headdy, director of placement.

During less than two months of interviewing, approximately 200 graduating students have had an opportunity to talk with 200 firms — a company for each man! Nearly the same number, with some companies coming in a second time, will have been on campus by the end of February.

Students will have taken 3,700 interviews, or an average of 18 each, by the end of the first quarter. This is an unusually high number and is reflected in the number of "turn-down" letters being received.

Indicators seem to point to salaries averaging between \$10,000 and \$11,000, with firms appearing to be a little more cautious in making offers and somewhat more selective in their men.

Heads Educators

President Logan was chosen as president-elect of the Indiana Conference of High Education during the organization's annual meeting in November. He will serve as president in 1970-71.

His election to the highest office in the organization founded to further the goals of public and private education in Indiana gives the Rose president an office in four education organizations.

Dr. Logan is president of the Independent Colleges of Indiana and currently is serving as secretary of the Independent Engineering Colleges Association and the Associated College of Indiana, a group which seeks corporate support for privately supported colleges of the state.

He also is an influential member of the Indiana State Scholarship Commission, a program which provided scholarship assistance to nearly 80 per cent of the Indiana boys enrolled at Rose.

Viet Moratorium

A relatively small group of students at Rose Polytechnic were among those around the nation who participated in an observance of Vietnam Moratorium Day October 15.

In advance of the moratorium, President John A. Logan announced that classes would continue as usual. In a prepared statement released Oct. 13, the president said:

"The Board of Managers of Rose Polytechnic Institute has not had an opportunity of discussing the philosophy and implications of the proposed Vietnam Moratorium. Speaking personally, however, I am opposed to any arbitrary action, such as the cancelling of classes, an action which would seriously embarrass our Govern-

ment in its difficult task of bringing the Vietnam war to a satisfactory conclusion.

"Rose students are, however, as vitally concerned with the war as students elsewhere. I very much appreciated the reasonable attitude which they are adopting, that of encouraging faculty members to discuss the military situation in classes, holding seminars, or having speakers review the national and international implications of Vietnam and our related international policy.

"As in the past, Rose students have demonstrated their concern and interest in matters of international importance. I am confident that they can be counted on again, in the present situation, to refrain from actions which might embarrass our national leadership, but, at the same time, make their views felt in a calm and dispassionate way."

Approximately 20 students attended a seminar on the evening of the observance. The draft and related topics have been discussed at length in the student newspaper, *The Inklings*, since that time.

Shuttle Bus

Remember how difficult it was to hitchhike back to Rose from St. Mary-of-the-Woods on a cold winter night?

Those members of the "Now Generation" who do not have cars on campus have found an answer to the dilemma—a shuttle bus service between Rose, Indiana State and St. Mary-of-the-Woods.

The new service, which leaves Rose every two hours on the half-hour, was launched Nov. 7 in cooperation with the Transportation Utility of the City of Terre Haute. Busses run between the hours of 4 p.m. and 1:30 a.m. on Fridays and Saturdays, with runs between the hours of 7:40 a.m.

Continued on page 20

The Board of Managers of Rose elected two of its most distinguished members to emeritus status and named three new members to its ranks during the annual meeting of the governing body of the school Homecoming Weekend.

Richard F. Bergmann, Terre Haute, who served as chairman of the board from 1960 to 1966, and Frederick M. Crapo, Muncie, became emeritus members, thus climaxing service to the board totalling 30 years.

Both are graduates of Rose and have received honorary Doctor of Engineering degrees for their accomplishments as professional engineers and businessmen and their loyalty to Rose—loyalty and service which has been continuous since their graduation from the school more than 50 years ago.

A 1918 graduate, Bergmann is a retired vice president and chief engineer for Link-Belt Company in Chicago, while Crapo, a 1919



Henry Y. Offutt '22 receives a captain's chair in recognition for service as chairman of the Board of Managers from 1966 to 1968.

graduate, is retired vice president of the Indiana Steel and Wire Company Division of the General Cable Corporation in Muncie.



BOARD OF MANAGERS—Nineteen members of the Board of Managers were in attendance during the annual meeting. Photographed on the lawn of the president's home were (front row) Richard Bergmann, Fred Crapo, Paul Grafe, Carl Ehrenhardt, Dr. John Logan, John Royse, Walter Osmer, Ben Cox, Russel Archer, and Raymond Crandall. Back row includes Frank Thomas, James Skinner, Lee Berry, Carl Wischmeyer, Maynard Wheeler, Marshall Hubbard, Roland Kelley, Henry Offutt and Forrest Sherer.

New to the board are Roland T. Kelley, Summit, N.J., a 1949 Rose graduate and manager of the Plastics Divisions of Enjay Chemical Company; Thomas W. Binford, Indianapolis, president of D-A Lubricant Company, Inc.; and Charles A. Breskin, Scarsdale, N. Y., a member of the board of directors of McGraw-Hill, Inc., New York, and former publisher of *Modern Plastics* and *Modern Packaging* magazines.

Carl E. Ehrenhardt, a 1930 graduate of Rose and president of Winslow Government Standard Scale Works, Terre Haute, was named vice chairman, replacing the retiring Bergmann, while Attorney Benjamin G. Cox, Walter L. Osmer, '20, and John T. Royse were re-elected as chairman, secretary and treasurers, respectively.

Henry Y. Offutt, '22, who served as chairman of the board from 1966 to 1968, was named chairman of the board's investment supervision committee, replacing Crapo.

Kelley, who has been with Standard Oil since 1950, brings a broad range of managerial experience to the board. He joined Enjay Chemical Company in 1960 after spending 10 years in various positions at the Humble Oil & Refining plant in Baton Rouge, La.

Since joining Enjay, he has held managerial positions in five of the company's seven operation divisions. In 1962, he was appointed manager of coordination and planning for Enjay's Synthetic Rubber division. Appointment to a similar position with the Plastics Division came in 1964.

He was named president of Extrudo Film Corporation, an affiliate of Enjay, in 1965. In 1968, he

Rose Elects 3 to Board

was made manager of the Plastics Division, the position he currently holds.

A native of Sullivan, Ind., he served in the U.S. Army from 1943 to 1946. He holds a B.S. in chemical engineering from Rose and an M.S. in chemical engineering from Carnegie Institute of Technology. While at Rose, Kelley played three years of varsity football and was a member of Tau Beta Pi, honorary engineering fraternity and Theta Xi social fraternity.

He has been active in Rose alumni affairs, having served as class agent for the Alumni Fund for two years. He also has worked with the Rose Polytechnic national business and industry committee for fund raising and currently is president of the New York Rose Tech Club.

Breskin, who attended Lewis Institute (later to be known as the Illinois Institute of Technology), entered the journalism and publishing field through contributing articles to Rock Products magazine and liked it so well he signed on as an assistant editor in 1920. He rose quickly to managing editor, then decided to move into advertising sales.

In 1926 he teamed up with a trade paper editor to frame out an entirely new business publication which would for the first time unite the common interest of all packagers of consumer merchandise and provide a single market place for the billions of dollars worth of materials, services and equipment used by the packagers.

The idea grew into a publishing operation worth several millions and two of the finest industrial-trade magazines in the

world. His magazines, Modern Packaging and Modern Plastics, set the trends in the business publications fields.

Modern Packaging was the first trade magazine to use actual samples of materials in advertising and editorial pages. It pioneered the use of four-color covers to attract readers attention, and operated on the assumption that a business publication could be just as beautiful graphically as a consumer magazine.

Since the merger of Breskin Publications and McGraw-Hill, Inc., in 1964, Breskin has served as vice president, operations, and a member of the Management Board. Breskin, who was retired by a mandatory age 65 rule in 1965, currently is engaged as a publishing consultant.

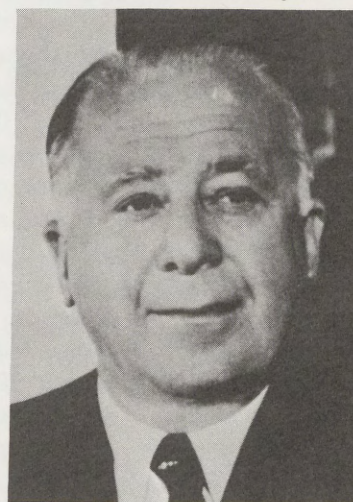
He has a keen interest in education, especially education of a technical nature. As head of Modern Packaging, he gave initial support to the creation of a School of Packaging at Michigan State University and underwrote an annual teaching/research fellowship which helped put the school on the road. He lately has turned his attention to a creative-packaging course at Pratt Institute, Brooklyn, N. Y. He also is contributing time, talent and money to the building of a four-year School of Plastics in Boys Town, Jerusalem.

Binford, who has been president of D-A Lubricant since 1954 and an active Indianapolis civic leader, is a director of the Indiana National Bank, Jefferson National Life Insurance Co., and the Jefferson Corporation.

(continued on page 24)



Roland T. Kelley



Charles A. Breskin



Thomas W. Binford

Winning Becoming 'Way of Life' i

"I had almost forgotten what it was like to win," beamed Coach Bob Bergman moments after his Engineers had surged from behind to upset Indiana Central for the first Rose football victory in 13 games on Oct. 11 in Indianapolis. "They gained their confidence today . . . this team is going to be a winner."

And "this team" was a winner. The young Engineers road out the season with three straight victories for the second .500 season since 1958 and stamped themselves as the team *NOT* to be overlooked in its league in 1970.

A 4-4 record might draw criticism—and perhaps spur hangings in effigy—in some football circles, but it is viewed by this corner as a giant step toward a resurgence in football at Rose.

While the season had its bleak moments, the heart-stopping 22-21 victory at Earlham erased any doubts about the Engineers' intentions. Trailing 21-0 with a full six minutes gone in the third period, the Engineers sprung what must be considered as the upset of the year in Indiana collegiate football as freshman quarterback Rick Manuszak (South Bend) and flanker Ed Adams (Cincinnati) culminated a three-touchdown comeback effort with a 58-yard touchdown with a minute remaining in the game.

Of the biggest play of the season, players in the huddle later recalled that Manuszak calmly asked of Adams:

"Do you think we can burn 'em on the next play, Ed?"

Adams nodded.

"Seventeen run or pass . . . Ed



OUTSTANDING FALL ATHLETES—Seven athletes were honored as outstanding in their respective positions during the Fall sports banquet. Honorees are (from left) Steve White, outstanding cross country runner; Roger Ward, MVP in football; Ron Randall, outstanding defensive back; Bob Penno, "unsung hero" award; Buzz Scharringhausen, outstanding defensive lineman, and Ed Adams, most valuable offensive back, and Coach Bergman. Dennis Smith, who won offensive lineman honors, was absent from the picture.

do a five . . . on one . . . ready—Break!"

Touchdown!

Roger Ward, a hard-running junior back from Dayton, continued to lead the Engineers'

Gridders Ride Out on 3-Game Winning Streak

offensively and was honored accordingly by his teammates as the Outstanding Player for his 948 total yards (610 by rushing) and eight touchdowns.

Dennis Smith, a junior from Indianapolis who has been a key to the Engineer running game from his right tackle slot, was named the Outstanding Offensive lineman, while classmate Buzz Scharringhausen, Ft. Wayne, was accorded the Outstanding Defensive Lineman award. Smith was voted to the All-NAIA team.

Life' in Engineer Athletic Programs

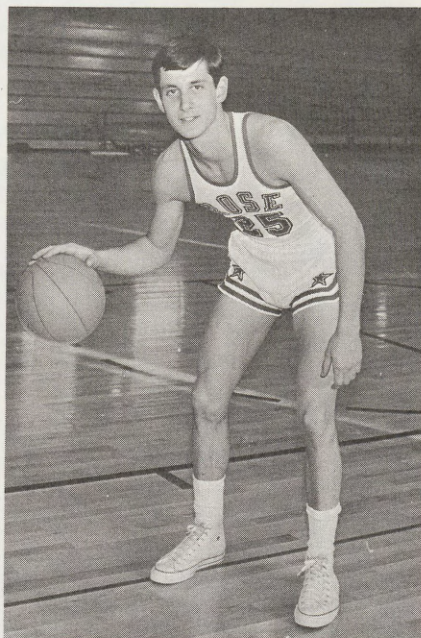
Adams got the nod as the Outstanding Offensive Back, while the Outstanding Defensive Back award went to freshman Bill Randall, Iowa City, who started every game at safety and was credited for his fine pass defense and two blocked punts—one which made the difference between a tie and victory at Earlham.

Bob Penno, a three-year veteran from Indianapolis, won the "unsung Hero Award" as that member of the squad who typically is not a starter but contributes much to the ball club. Penno played on speciality teams, studied the opponents' passing games and ran their pass patterns in practice in addition to being the student newspaper's answer to Grantland Rice.

Led by freshman Steve White, Terre Haute, (son of John R. White, June '47) and junior Greg Shutske, Kouts, the cross country team of Coach Jim Carr compiled a fine 5-2 record against the likes of teams from Butler, DePauw, Wabash and others.

The team loses but two runners to graduation (the number five and eight runners) and should provide Coach Carr with his seventh winner in as many seasons.

It's history by now, but the basketball team is off and run, run, running again this year. Rapid-firing senior Don Ings entered the campaign just 72 points shy of breaking the all-time scoring record of Tom Curry (M.E., '67), currently serving with the U.S. Army in Vietnam.



Ings, who averaged 28 points a game last season, could well eclipse the Curry scoring mark by as many as 500 points. His 1969-70 production should put him in the company of Oscar Robertson, Terry Dischinger and Rick Mount as the all-time Hoosier basketball scoring leaders.

Also returning for a second year as a starter is junior guard Tom Butwin, Brazil, who averaged 17 points a game last season, and 6-7 forward D. J. Cordero, a 10-point performer. Other front line men are 6-7 and 6-4.

In fact, Rose has never had so much height—the kind of "problem" Coach John Mutchner has dreamed of working with since his arrival at the engineering school seven years ago.

"We have the potential to have a fine ball club," says Mutchner of the 1969-70 campaign, "I believe we can have the best team since I've been here if our freshman crops adapts quickly to the college game."

Mutchner will be counting on Ings, Butwin, and seniors Rod Smith, Indianapolis, and Barry Jenkins, Chrisman, Ill., to provide stability to the overall young ball club.

Freshman who figure to make themselves known are freshmen Jim Eppen, a 6-7 center from Speedway; Larry Erwin (6-4), Terre Haute; Gary Dougan (6-5), Holland, Ind.; Joe Snyder (6-3), Vincennes, Rick Henthorn (6-0), Cincinnati, and Bob Kaufmann (6-2), Payson, Ill.

The Engineers will play a 27-game schedule, including powers DePauw, Earlham, Wabash, and Indiana Central, teams of the Prairie Conference and four New York area teams—Powerful Monmouth of New Jersey, and Stoney Brook, Pace and C. W. Post colleges of New York.

*Tallest Cage Team Ever at Rose
Could Round Into 'A Great One'*

Homecoming '69 was a smashing success. As one observer put it, "There was something in it for everyone."

Whether he be a Rose man of 50 years standing, a Rose man celebrating a reunion of 20 or 25 years or a Rose man in the making, the weekend of Oct. 17-18 was one he will not soon forget.

While Homecoming '69 had all the traditional marks—institute, banquets, and football—it was enhanced by innovation . . . and surprise!

Engineer football players for some 30 years heard Coach Phil Brown chide them from the sidelines with such terse interjections as "Surprise," or "Hey, jugears, they went that way."

But mostly it was "Surprise," bellowed loud and sometimes raspy, when a ball carrier crashed into a mass of muscle or bone instead of hitting a piece of daylight because someone had missed a blocking assignment.

Saturday afternoon it was the players' turn to shout "Surprise" as Rose formally announced that henceforth the football field would be "Phil Brown Field."

What was the best kept secret since Indiana State University (they then called it Indiana State Normal School) students sequestered Rosie resulted in the biggest surprise in Brown's life when it was announced at halftime of the Homecoming game with Hanover that the second half of the game would be played on Phil Brown Field.

James C. Skinner ('33) made the announcement of behalf of the Board of Managers, and Carl "Rocky" Herakovich ('59), one of



MR. FOOTBALL AT ROSE—Phil Brown, center, who for 31 years guided football fortunes at Rose, receives a plaque proclaiming the naming of the football field in his honor. With Coach Brown are James C. Skinner ('33), left, and Carl "Rocky" Herakovich ('59), all-time football scorer at Rose.

Football Field Named in Honor of Phil Brown

Brown's prize football pupils, presented the plaque to the veteran coach who retired to Florida in 1959.

The inscription on the plaque is eloquent in its simplicity.

"From the Tuskers to Phil Brown 'Mr. Football at Rose Poly'. In appreciation for 31 years

service to the institute and to its athletes from 1928-59. Presented at Homecoming 1969 at the official dedication of the Rose football field as Phil Brown Field."

Brown, you will recall, brought national recognition to the school by guiding the Engineers to undefeated seasons. And each time Rose went undefeated, the Engineers also boasted the country's No. 1 individual scorer. In 1942, Eddie McGovern scored 165 points, a mark which stood until Herakovich rolled up 168 points in 1958.

Brown, who retired in 1959 with a 15-game winning streak,

Homecoming '69 . . . A Smashing Success!

said the plaque would hang in his living room at 295 North Second Street, Cocoa Beach, Fla. As for the field, he reckoned "I'll have to come back every year now. It's my field and I'll have to check and see if they are taking care of it."

While the re-naming of the football field was perhaps the highlight of Homecoming '69, those men who attended the banquet for graduates of 50 or more years probably are like the "man from Missouri."

Highlight of homecoming to this select group was the inaugural banquet of the Fifty-Year and Older Club. Hosted by Ruel F. "Fox" Burns ('15), the banquet was the most enthusiastically received innovation at Homecoming in memory.

50-Year Alumni Recall 1st Use of 'Gatoraide'

Twenty-three men who were graduated before 1920 were honored during the banquet Friday evening in Hulman Memorial Union. The men received a 50-year pin, while their wives were presented a corsage.

Those in attendance included F. W. Hahn ('04), oldest alumnus in attendance; Basil G. Whitlock ('07), Frank H. Wents and Richard Fishback ('12), James A. Coltrin ('14), Fox Burns and Ed Hegarty ('15), A. D. Merrill, R. A. Stuart and David Hite ('16),

Henry C. Gray ('17), Richard Bergmann, George Henry, Charles K. Failing, James "Doc" Orr and Chauncey S. McKee ('18), and Fred Crapo, Richard P. Gillum, Benjamin F. Anthony, Simon Werbner, Alexander P. King and Ivan S. Mendenhall, all of the class of 1919.

Highlight of the meeting came after dinner when Mr. Burns opened the floor to anyone who wished to recall tales of their days at Rose.

Stories related to the "good old days" at Thirteenth and Locust and were reminiscent of professors Wickersham, Hathaway and White and the football powers of that era (is there any truth to the story of the bourbon in the water bucket?).



Honor Alumni

Grafe and Hurst Receive Top Awards

Two Rose graduates who have distinguished themselves as civil engineers, especially in the fields of engineering design and roadbuilding, received Honor Alumni Awards during the annual banquet which culminates Homecoming each year.

Adam K. Grafe ('25), president of Adam K. Grafe Associates Inc., of Dallas, Tex., and Lexington, Ky., and E. G. Hurst, Sr., (31), president of Hurst-Rosche, Inc., of Hillsboro, Ill., received the highest honor bestowed by the Alumni Association. Another civil engineer, Dr. Fujio Matsuda ('49), Director of the Department of Transportation for the State of Hawaii, also was named to receive the honor but was unable to pick up the award.

Grafe, who served as president of the Alumni Association in

1967-68 and is one of three nominees for the association's representative to the Board of Managers for the four-year term beginning next October, has engaged in numerous phases of engineering, mining and construction during his career of more than 40 years.

An active consulting engineer in nearly 20 states, his company has been recently engaged in consulting engineering on numerous major interstate highway and tollway projects in Texas, Oklahoma and Kentucky.

During the first 10 years of his career, Grafe held various positions in the phosphate mining industry of Florida, coal mining in Indiana and general engineering work in Pennsylvania. In 1936, he left Maumee Collieries Co., of Terre Haute and started his own engineering and construction firm in Dallas, Tex.

He later served as president of McGinnis and Grafe, Inc., of Dallas from 1942 to 1949, a firm which specialized in highway building and construction of military airports at Waco, Tyler, Sweetwater, Texas and Oklahoma. He also served as president of the Southwest General Construction Co., which built roads for the Department of Highways of Texas and Oklahoma.

Hurst, who has long been active in alumni affairs and is a nominee for vice president of the Alumni Association for 1970-71, has been in private consulting engineering since 1937.



E. G. Hurst, Sr. '31 receives an Honor Alumni Award from alumni president Robert Royer (right), while Adam K. Grafe '25 is shown receiving the honor in the lower photograph. Mrs. Hurst and Mrs. Grafe joined their husbands at the podium for the presentation of the honors.

After working six years for the Illinois Highway Department, he opened offices with A. P. Rosche as Hurst-Rosche, Inc., Consulting Engineers in Hillsboro, Ill., in 1937. Today he is either co-chairman of the board, president or a director in five engineering companies in the Midwest and abroad.

The firms specialize in engineering services in all areas of civil and structural design and construction supervision throughout the Midwest, including highways, bridges, hydraulics, recreation-conservation lakes, water



and sewer facilities, airports and industrial projects.

Through subsidiary companies Hurst-Rosche, Inc., Sucursal Guatemala and Hurst-Rosche de Centroamerica, S. A., engineering services are supplied to Latin America. At the present time, the Guatemala firm is supervising the construction of a port at Matias de Galvez on the eastern Atlantic Coast of Guatemala. The first also is preparing an extensive study of the development and design of liquid natural gas production in the African and Latin American gas producing companies.

Hurst pioneered in the concrete products industry and from 1946 to 1965 the partnership of Hurst-Rosche owned and operated plants at Benton and Harrisburg, Ill., and Muncie, Ind. Perhaps one of Hurst's chief engineering accomplishments was his part in developing the first water-proofing agents for concrete products—this development having drawn national attention to the remote Illinois firm in 1953.

Another feature of Homecoming—one ranked No. 1 by the student body—was the Friday night concert by The Association, one of the nation's hottest singing and instrumental groups.

Planned, sponsored and promoted by the Student Government Association, the event drew more than 2,500 into Shook Memorial Fieldhouse and proved that the college could support such a group at Homecoming and perhaps at other times during the year.

Winter, 1969



F. P. Hahn, a 1904 graduate in mechanical engineering, was the oldest alumnus in attendance at Homecoming '69. Prior to his retirement, he was associated with the Pullman-Standard Car Manufacturing Company.

It was more than a concert—it was a victory for the Rose student body. For on the same night, a local radio station and department store teamed up to present a seemingly even hotter group in the 6,500 seat Indiana State arena.

Hard work on the part of the student body and help by another radio station and local television personality Jim Underwood ('66, E.E.) paid off. The students lost less than \$100 on a \$10,000 group (watch recruiters from business flock to the campus for interviews!).

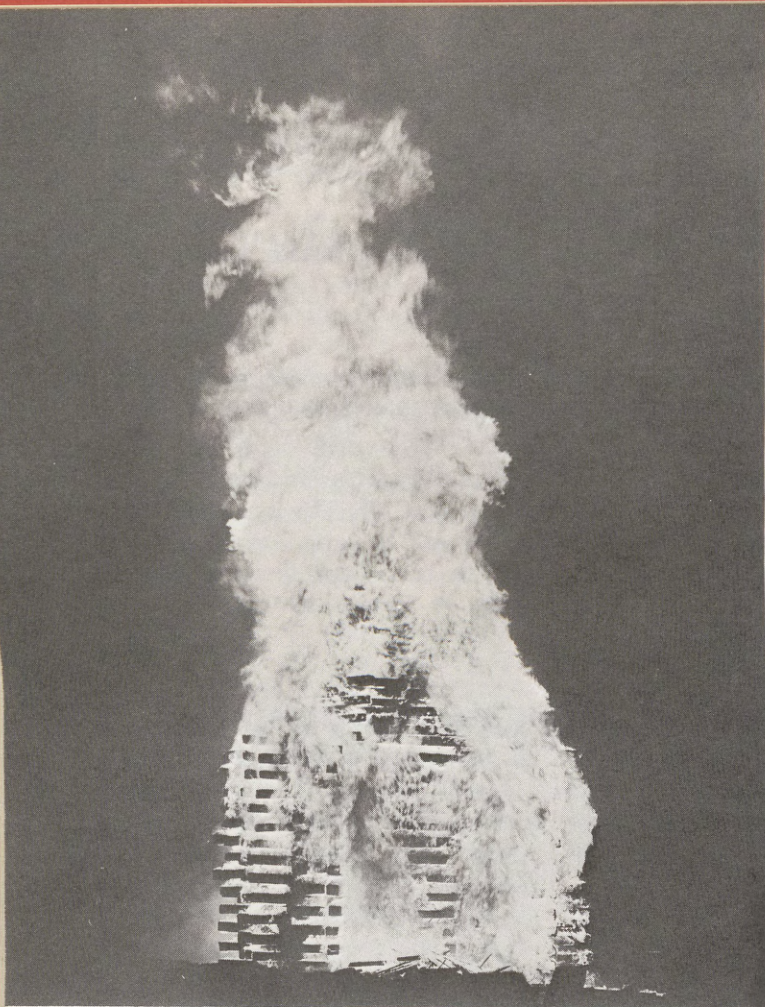
Pretty Patty Holt, a sophomore at Indiana State from Terre Haute, reigned as Homecoming Queen. She represented Alpha Tau Omega social fraternity and won the honor over four other finalists.

Miss Holt's court consisted of Miss Jean Ann Rogers, West Terre Haute (Lambda Chi Alpha); Miss Kristie Leigh Van Allen, Terre Haute, (Phi Gamma Delta); Miss Sherri Leonard, Indianapolis (Sigma Nu), and Miss Sue Bruton, Indianapolis, (Theta Zeta).

Alpha Tau Omega also took a bow for designing and constructing the best float at homecoming. The float was not only striking in appearance, but was one of precision mechanization—including the puller, which growled like a Gravelly (garden tractor) and looked like Mogilla Gorilla.

Homecoming Weekend 1970

October 23-24



Homecoming '69

Homecoming '69, like the traditional bonfire, was a roaring success! Pretty Patty Holt reigned as Homecoming Queen; her court consisted of Sue Bruton, Kristie Van Allen, Jean Rogers and Sherri Leonard.

Miss Holt represented Alpha Tau Omega fraternity, winner of the float competition. Moving further clockwise, we find F. H. "Dutch" Wentz ('12) escorting his favorite gal to the dinner for those graduates of 50 or more years. Ruel F. "Fox" Burns ('15) and A. D. Merrill ('16) welcome J. A. Coltrin ('14) to the affair. And then there was the fine concert by The Association, one of the nation's hottest singing and instrumental groups. Young and not so young packed into Shook Fieldhouse for the performance on the eve of the Engineers Homecoming battle with Hanover.



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Minutes



of Annual Alumni Meeting

Rose Alumni Association Annual Meeting
Saturday, Oct. 18, 1969 10:00 A.M.

The meeting was called to order by President Robert Royer (April, '49) at 10 a.m. in Room B-119 of the Main Building.

The minutes of the 1968 business meeting were published in the January 1969 issue of the Rose Echoes. In those minutes 1969 Homecoming dates were stated as Oct. 18 and 19 instead of Oct. 17 and 18. Darrell E. Criss ('43) moved the acceptance of the 1968 minutes as corrected. After second, the motion was passed.

The next order of business was the election of the Class of 1969 to membership in the Alumni Association. Upon motion by F. W. Hahn ('04) and second by J. C. Cooley ('29), and vote of those present the Class of 1969 was accepted into membership in the Association.

President Royer then called for reports from the operating committees:

FUND RAISING

William R. Gray ('50), Chairman

The 1968-69 goal was set at \$60,000 and pledges received were \$70,979, showing a handsome increase. However, the percentage participation was only 43.8 percent—one of the lowest participation percentages in recent years.

The goal set for the 1969-70 year is \$80,000 and a substantial increase in participation.

Mr. Ruel F. Burns ('15) moved the acceptance of this report. After second, his motion was passed.

STUDENT RECRUITMENT

Owen H. Meharg ('54), Chairman

Of the 22 Rose Tech Clubs we now have 14 recruitment chairmen. Many of these chairmen are active in direct personal contact with high school students. In the Indianapolis area Fred W. Goetsch ('57) has personally contacted more than 50 high school students and engineered an open house to which prospective Indianapolis area students and their parents were entertained. Mr. Meharg men-

tioned several other clubs and individuals that were particularly active. He also thanked the Admissions Staff for its assistance in getting information to prospective students.

Mr. Meharg suggested that Rose make an effort to further publicize the "Operation Catapult" program. It is quite evident that this program has been successful.

ROSE TECH CLUBS

G. L. Mrava ('57), Chairman

In the absence of Mr. Mrava, President Royer presented his report. Two new clubs are being formed in the Cincinnati-Dayton area and central Ohio areas. Interest is shown in central Florida.

AWARDS AND RECOGNITION

William Nicewanger ('63), Chairman

This committee has been active and forwarded nominations for Honor Alumnus to the Executive Committee. Dr. Logan, president of Rose, asked this committee to offer suggestions for honorary degrees to be awarded at Commencement. This committee has asked interested alumni to forward their suggestions for these degrees.

CONTINUING EDUCATION

Howard H. Irvin ('43), Chairman

In the absence of Chairman Irvin, Robert Mees ('31) gave the report. The fourth annual Alumni Institute was held Oct. 17. Approximately 50 people were in attendance and a panel of 27, mostly Rose alumni, presented the program. The subject of the discussion was "Is There Profit in Engineering for the Benefit of Man?" Prof. Herman A. Moench ('29) summarized the program and was enthusiastic about its success. He stated he only wished more alumni had been present.

HOMECOMING

Vern W. Fellows ('62), Chairman

With the approval of the administration, the student body brought "The Association," a modern musical group, to campus the evening of Oct. 17. The attendance of approximately 3000 students and alumni proved its success.

50 YEAR CLUB

Ruel "Fox" Burns ('15), Chairman

Mr. Burns reported that 40 members and their wives attended a special dinner for this group Fri-

day, Oct. 17. Pins were given to the men and corsages were presented to the wives.

Mr. Burns was host for this affair which was received as enthusiastically as any new homecoming event in recent years.

The next order of business was roll call which was taken by the secretary. Mr. F. W. Hahn ('04) represented the earliest Rose class in attendance.

NEW BUSINESS

It was recommended that a list of Honor Alumni be included in the next Alumni Directory.

Also, it was suggested that a banner be obtained for use at official alumni functions and that this banner be available for Rose Tech Club use.

Mr. John Cooley ('29) suggested that the "Rose Poly" highway sign in front of the campus be removed and one saying "Rose Polytechnic Institute" be installed.

Mr. Cooley also recommended that consideration be given to changing the name of the Institute.

Mr. Carl Herakovich ('59) suggested that women be allowed to attend Rose. There was considerable discussion on this matter and it was pointed out that this has been discussed for years, but no practical solution is available at this time.

The report of the Election Committee was made by Secretary Blake. He announced that John Newlin (Feb., '43) has been elected Vice President for 1970. Mr. Anthony G. Blake ('31) was unanimously re-elected secretary-treasurer.

The report of the Nominating Committee was made by Russell E. Archer, Sr. ('34). The following nominations were made:

Vice President of Alumni Association (1970-71)

R. C. Brown ('27)

E. G. Hurst ('31)

J. F. Richardson ('31)

Alumni Representative on Board of Managers (1970--74)

Gene A. Zwerner ('34)

Adam K. Grafe ('25)

H. Loren Thompson ('34)

ELECTION OF HONORARY DEGREE RECIPIENTS TO ASSOCIATION

Upon motion by Dr. Darrell E. Criss ('34) those honorary degree recipients in June 1969 were nom-



Mees (left) accepts gavel from Royer.

inated for membership in the Association. They were:

Dr. Landrum Bolling

Mr. George R. Armstrong ('21)

Mr. John W. Barringer

Dr. Harold Gotaas

After second, these men were elected to Association membership.

ELECTION OF NON GRADUATES TO ASSOCIATION MEMBERSHIP

A provision has existed for sometime in the Association Bylaws to elect certain former Rose students who did not graduate to membership in the Association.

This year four names have been properly presented:

John B. Hunter (x-'38)

Sherman S. Smith (x-'60)

Chester S. Trigg (x-27)

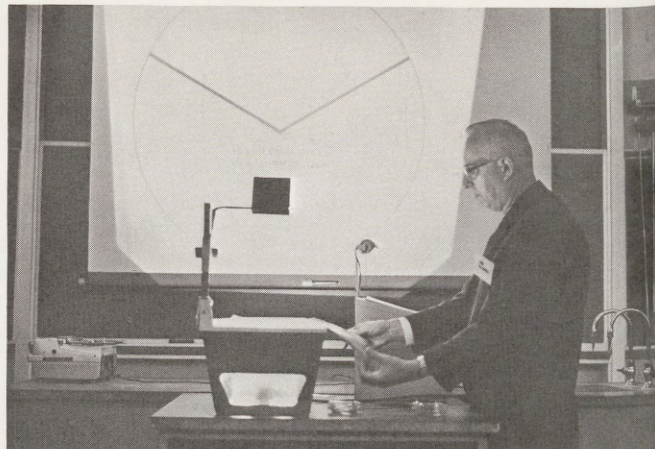
Dudley Balsley (x-'27)

It was moved, seconded, and passed that these men be made active members of the Rose Alumni Association.

There being no further business it was moved, seconded, and passed that the meeting be adjourned.

Meeting adjourned 11:30 A.M.

ANTHONY G. BLAKE '31
Secretary-Treasurer



Alumni Institute

Engineers Urged to Tackle Social Problems

Is there profit in engineering for the benefit of man?

This was the general question asked of two generations of Rose alumni and a group of future alumni majoring in biological engineering during the annual Alumni Institute Homecoming weekend.

Purposely divided into three sections—the "Older," "Younger" and "Now" generations—the institute came to conclusion that there *is* profit in engineering for the benefit of man.

But perhaps more important was the assertion by the "Older" generation that members of the "Younger" and "Now" generation cannot take all the credit for current emphasis being placed on solving major social problems.

Specific purpose of the institute was to deal with engineering questions related to health, medicine, safety and environmental control, and at the same time illustrate the need for a new awareness by the engineering profession in these special areas.

Moreover, the institute was to take a look at some of the steps industry, federal, state and local governments have taken in these man-related engineering areas and project their respective roles in the future.

The guest speakers did all this—and more.

Perhaps the best evaluation of the institute was made by Prof. Herman A. Moench ('29), vice president for academic affairs at Rose, who was asked to give on-the-spot summary remarks of the program of continuing education for Rose men.

Drawing from his long career as an educator and professional engineering consultant, Prof. Moench narrowed the scope of what he describes as the "most stimulating alumni institute he has attended" to six topics: (1) Definition of "profit" and "benefit" as they apply to the institute topic; (2) Individuals, and not the federal government, are solving major problems; (3) The press and television are failing to tell the story; in fact,

there is distortion of news in some areas; (4) This is not the only generation which has been faced with major social and industrial problems; past generations have solved major problems of their day; (5) Engineers were urged to take an active role in making decisions on social problems; (6) In conclusion, engineers were warned that if they do not use their knowhow and dedication to solve these social problems that other groups (perhaps not as well qualified groups) will step in and make these decisions—right or wrong!

Robert T. Mees ('31) served as chairman of the alumni institute and thus was responsible for securing the speakers for the program which tackled the "engineering for man" question from every possible vantage point.

Those serving on the various panels were:

THE "OLDER" GENERATION—Glen Sampson ('30), Dr. Chester Stock ('32), Byron MacNabb ('32), H. Loren Thompson ('34), Wayne Alexander ('38), Gene F. McConnell ('42), John Welsh ('43) and Paul Gottfried ('49).

THE "YOUNGER" GENERATION—John Bloxsome ('57), Charles Skidmore ('58), James Onnen ('60) Steve Ban, Fred Terry and David Starnes, all of '62, and David Kelton ('67).

Perfect Attendance

Mansfield, Ohio, supports Rose Polytechnic Institute 100 per cent at Homecoming.

Ed Hegarty ('15) points out that three Rose graduates reside in the fine Ohio city, and what's more all three were at Homecoming '69.

The Mansfield contingent consisted of Hegarty, J. F. Richardson ('31) and Sam Hegarty ('44).

Alumni in

Dr. Abe Silverstein R From Post With Space Program

Dr. Abe Silverstein, the man who named the Mercury and Apollo projects and pioneered in shaping the nation's space program, retired as director of NASA's Lewis Research Center in Cleveland at the end of October.

A 1929 graduate of Rose in mechanical engineering, his retirement came with more than 40 years service in government agencies.

In a letter to NASA, Dr. Silverstein, 61, gave his reasons for requesting retirement: "As NASA engages in its second 10-year program, it may be important that the men whose decisions initiate the now long-range projects be available to complete them. Since I do not think I can stretch my 40 years of service into 50, it is perhaps best for me and for the Lewis Center if I bow out now."

A native of Terre Haute, he began his scientific career at Langley Research Center, Hampton, Va., where he helped design the Langley full scale wind tunnel. At Langley, he headed aerodynamic research that led to increased high-speed performance of World War II combat aircraft.

When the Lewis Research Center was authorized by Congress in 1942 he transferred here and conceived, designed and helped build the nation's first supersonic propulsion wind tunnel.

In 1949 he was placed in charge of all research at Lewis. In April 1958, Dr. Hugh Dryden summoned Dr. Silverstein to Washington to help put the civilian space agency together. Congress passed the National Aeronautics and Space Act in July of that year and NASA was established officially by law the following October. Dr. Silverstein was named chief of space flights and under his leadership Project Mercury—the nation's first man-in-space project—was organized and the ground-work laid for Gemini and Apollo.

In addition to pioneering plans for manned space flight, Dr. Silverstein also helped establish the large rocket-engine development program for space flight and laid early plans for innumerable unmanned probes including communications and weather satellites.

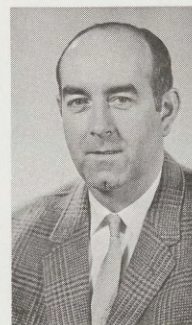
In an interview with the Cleveland Press this summer, he recalled how he picked the title Apollo out of a Greek mythology book in 1960 after his space task force had failed to come up with a suitable name.

Dr. Silverstein returned to Lewis as its director in 1961 and led a major expansion of the facilities. Within two years he increased Lewis personnel from 2,800 to 4,800 and made the center NASA's primary installation for research and development of rocket propulsion.

During his career, Dr. Silverstein has received many awards including the President's Award for distinguished federal service, NASA's medal for outstanding leadership and the Rockefeller public service award. Rose presented him an honorary Doctor of Engineering degree in 1959.



Owen H. Meharg ('54, Ch.E.), head of Eli Lilly & Company's insulin manufacturing division at Indianapolis, has been named acting director of the new Unigov Department of Administration by Indianapolis Mayor Richard Lugar.



Under the consolidated government plan to take place Jan. 1, 1970, the Administration Department will include divisions of financing personnel, purchasing, legal, records and citizens affairs for Indianapolis and Marion County.

In short, Meharg will head the agency which provides vital local government services to residents of what will be the twelfth largest metropolitan area under a single administration in the United States.

Meharg, who has been with Eli Lilly since 1957, has been granted a two-year leave of absence to accept the appointment effective Dec. 1.

Meharg is one of five assistant Republican county chairman and chairman of the center ward in Washington Township of Marion County. He is the fifth department head elected for the mayor's six-member cabinet.

He has been active in Rose alumni affairs since graduation and currently holds two alumni positions. He is national chairman of Rose's alumni committee on student recruitment and is president of the Indianapolis Rose Tech Club.

It is largely through his efforts that the Indianapolis club helps the Rose admissions department "sell" prospective students of the Indianapolis area on the school.

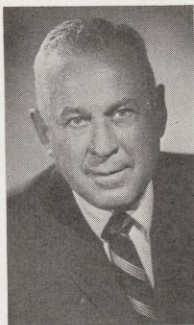
Meharg and his family reside at 7018 North Tuxedo Street, Indianapolis 46220.

'29

PROF. HERMAN A. MOENCH ('29), Vice President for Academic Affairs at Rose, received the Distinguished Service Award for the National Council of Engineering Examiners during the organization's annual meeting in Dallas, August 28. This award honors Prof. Moench "for exemplary and faithful service to the engineering profession, particularly to engineering education, to his State Board, and to the National Council of Engineering Examiners." He has served on the Indiana State Board for the last 16 years, during which time he has made major contributions to the Board and has served on numerous committees of both the Central Zone and of the National Council of Engineering Examiners.

'30

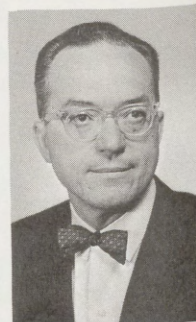
JOHN W. ROCKWOOD (C. E.) has been appointed manager, account relations, building materials of the Home Building Products Division of Owens-Corning Fiberglas Corporation in Toledo, Ohio. Rockwood, who formerly was manager of national distributor sales for Owens-Corning, is responsible for providing the divisions' national distributors with sales management assistance. He also will work closely with the company's sales branches in support of the branch selling effort. Rockwood



joined Owens-Corning in 1961 and is a former president of Tiger Brands Division of Basics, Inc., Cleveland, Ohio. He and his wife, Ann, are the parents of seven children and reside at 1911 Potomac Drive, Toledo.

'43

RAYMOND I. KOPAN (E.E., Oct. '43) has been appointed maintenance engineer in the Maintenance and Construction Department of Owens-Corning Fiberglas Corporation, Toledo, Ohio. In his new position, he is responsible for guiding all Owens-Corning plants on electrical maintenance procedures and functions. His duties also will entail administration of major maintenance for the firm's Construction Products Division. Kopan, who has been with Owens-Corning since 1963, formerly served as a research scientist at the Owens-Corning Technical Center in Granville, Ohio.



'46

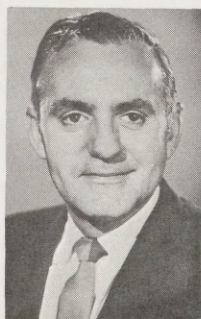
HARMON L. SHAW (M. E.) has been named president of Chemola Corporation, a Houston, Tex., based manufacturer of synthetic lubricants and chemical specialties for the oil industry. Shaw, who has been active in the planning and administration of professional management programs, left The Rucker Company, Oakland, Calif., where he was staff consultant to all of Rucker's offshore and petroleum division to join the Houston firm. Since his graduation from Rose he has held executive positions with major companies in the fluid power and air tool industries, having been associated with Murphy Industries and its subsidiaries before joining The Rucker Company.



1924 REUNION—Attending the 45th reunion of the class of 1924 were, left to right, John Moorhead ('25), Sam S. Forsythe, Fred Schroeder, F. Ray Martin, Frank Bogardus, William H. Waltman, Charles Haupt and Joseph H. Fox. Seated are Mmes. Moorhead, Forsythe, Schroeder, Martin, Bogardus and Waltman.

'47

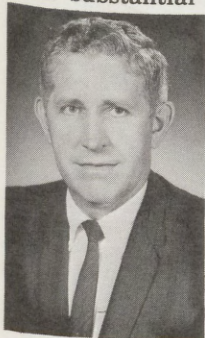
CLYDE E. COOK (C. E., June) has been named general manager Ready Mixed Concrete, Indianapolis, a division of Jefferson Corporation. Cook, who joined Ready Mixed in 1952, formerly was assistant general manager and sales manager. Long active in the construction industry, he is a member of the American Concrete Institute, the Construction League of Indianapolis, the Indiana Construction Specification Institute and currently is on the board of directors of the Marion County Residential Builders, Inc.



DR. CHARLES W. NEWLIN (C.E., Dec.) professor and chairman of the civil engineering department at Arizona State University, has been appointed chairman of the Arizona Board of Technical Registration. Dr. Newlin, who earned his master's at Harvard in 1949, taught at Swarthmore College in Pennsylvania for 11 years prior to joining the Arizona State faculty in 1961.

'48

RICHARD W. HICKMAN (E. E. June) has been promoted to manager of the Systems Integration Division of Industrial Nucleonics Corporation, Columbus, Ohio. Hickman, who joined Industrial Nucleonics in 1956 with substantial experience in both



the technical and marketing areas, directs all production, programming and testing activities for the company's new line of Accu-Ray Process Management systems. The company markets computerized process management systems for industry and provides management consulting services to its customers.

Winter, 1969

'49

ROBERT E. JENKINS (E. E., April) has been appointed manager of security and plant services for Eli Lilly and Company, Indianapolis. Upon graduation from Rose, Jenkins joined the Lilly company as an electrical engineer and had held various positions in the engineering division before being promoted to department head of electrical engineering in 1966. Earlier this year he was named a consultant in electrical engineering. Jenkins and his family reside at 11434 Lakeshore Drive, Carmel, Ind.



'57

ROBERT E. BRIGHT (Ch.E.) has been promoted to manager of the 3M Company tape plant in St. Paul, Minn. Bright, who joined 3M upon graduation from Rose served the company most recently as superintendent of Tape Production Administration in St. Paul. Prior to serving as superintendent he was with the New Products division with the exception of two years with the U.S. Army Corps of Engineers. Bright's current address is R.R. 1025, Box 161, White Bear Lake, Minn. 55110.

'60

JACK SMITH (M.E.) has been promoted from senior engineer to department chief of Industrial Engineering Standards and Development for Western Electric Company in Indianapolis. Smith, who has been with Western Electric since graduation, has held various engineering positions with the company and is a regular recruiter to the Rose campus.

Class Note? Send It to Rose



1929 REUNION—Attending the 40-year reunion at the home of Prof. Herman Moench were, bottom row left to right, Lafe Stewart, Bob Vendel, Robert Downen, Ralph C. Bailey, Jack Derry and Gilbert Knott. Top row, Harold Schatz, Volney Hutchinson, Henry Nancrede, John Cooley, Gaylen Clark, Max White, Ray Harris and Prof. Moench.

More About . . .

New Board Members

A director of the United States Auto Club since 1958 and president of the auto racing sanctioning body from 1957 to 1969, he also has been president of Indianapolis Raceway Park, Inc., since 1959.

His civic activities include the chairmanship of the Governor's Mental Health Planning Commission of Indiana from 1963-68, and Indianapolis Hospital Development Association, Greater Indianapolis Progress Committee and many others.

A native of Indianapolis, he was graduated from Princeton University in 1948 with Phi Beta Kappa honors. He earned a law degree from the Indiana University Law School night division in 1954.



1934 REUNION—Attending the 35th reunion of the class of 1934 were, left to right, N. C. Blair, G. F. Stark, John L. Bloxsome, vice president and special assistant to the president of Rose; Loren Thompson, Mrs. Thompson, Russell Archer, Gene Zwerner, H. A. Staderman and H. C. McGurk. Seated are Mmes. Blair, Stark, Archer, Zwerner and Bloxsome.

More About . . .

Shuttle Bus

and 5:30 p.m. on Sunday. One-way fare is 50 cents and students can make some savings by pur-

chasing a ticket good for a dozen rides for five dollars.

The idea was conceived by student government committees of Rose and St. Mary's and put into practice through work by a com-

mittee of the College Consortium of Western Indiana, an organization founded last October to further cooperative efforts of the three institutions of higher learning in Terre Haute.



1939 REUNION—Those returning for the 1939 class reunion were, standing left to right, Victor Peterson, Wayne Alexander ('38), Robert Kahn, Charles Fuller, Richard Alterkruse, John Yaw, Richard Weldele, Ed Spahr, Merrill Noel, Joe Ross, Ed Eckerman ('38), and Francis Marcasco. Middle row includes Mmes. Peterson, Alterkruse, Alexander, Kahn, Fuller, Alterkruse, Yaw, Weldele, Spahr, Noel, Mrs. Lamont Forsyth and Lamont Forsyth. Seated in front are Adam Romeiser ('38), Mrs. Romeiser, Robert Sears ('37) and Mrs. Sears.

'61

JAMES W. GODWIN, JR. (C. E.) has been named manager of administrative services for Industrial Nucleonics Corporation, Columbus, Ohio. Godwin, who joined the company in January, 1968, and has served as assistant to the chairman of the board, will direct the activities of all internal administrative services, including plant engineering, offices services and aviation, in his new position. Prior to joining Industrial Nucleonics, he earned a masters degree in business administration from Indiana University. Godwin formerly was an engineer for Indiana Bell Telephone Company. He and his wife, Janis, and two daughters reside at 3580 Chowning Court, Upper Arlington, Ohio.



1954 REUNION—Returning for Homecoming were, standing left to right, Darrel Heady, Owen Meharg, James Matthews, Ed Utterback, R. P. Orman, W. R. Hauser, C. M. North, L. L. Ogborn, E. A. Ulbrich, and R. H. Green. Seated are Mmes, Heady, Meharg, Matthews, Utterback, Orman, Hauser, North and Green.

STEPHEN I. SKERSICK (Ch. E.) has accepted a position as plant engineer of the Mayaguez, Puerto Rico. Skersick, who moved to Puerto Rico in June, formerly was a maintenance engineer at the Park Fletcher Plant in Indianapolis. Skersick, his wife, Judy, and two children reside in Aguadilla, Puerto Rico.

LARRY MYERS (E.E.) recently passed the Indiana State board examination for license as a registered professional engineer. He is a member of the Indianapolis Power and Light Company's Overhead Lines Engineering staff, having been with the utility since March, 1964.



1949 REUNION—Thirty-one members of the class of 1949 returned for their twentieth reunion at the Terre Haute Elks City Club. Identification of the picture was not available to The Echoes.

'62

MAJ. JERRY L. GREGG (Ch.E.) has joined the U. S. Army Surgeon General directorate of professional service as a sanitary engineer and safety consultant. Maj. Gregg, who entered military service in 1963, this fall completed the U. S. Army's hospital administration school at Fort Benjamin Harrison, Indianapolis, and currently is assigned to an Army program which is inspecting and evaluating its hospitals and related facilities.

'63

GILBERT L. ROBINSON (M.E.) has been promoted to maintenance superintendent of the Technical Center and Peoria Proving Grounds of Caterpillar Tractor Company. He joined Caterpillar in August, 1967, following a tour of duty in Vietnam as commanding officer of a combat engineer company. Robinson, who received his Illinois professional engineer license in August, resides at 9518 North Brookview Drive, Peoria, Ill. 61614.

PHILIP A. CHUTE (Physics) completed a Ph.D. in physics from Ohio University, Athens, Ohio, in August and has since joined the physics faculty at Wisconsin State University at Eau Claire with the rank of assistant professor. His current address is Physics Department, Wisconsin State University, Eau Claire, Wis. 54701.

'64

MARS J. GRALIA II (Math) has been granted a leave of absence from Johns Hopkins Applied Physics Laboratory to return to school and work toward a doctorate. He has been with Johns Hopkins since June, 1966.

JOHN R. STOCKTON (Math) has moved to New York City and a position as promotion assistant in the Post Division of General Foods Corporation. Stockton, who formerly worked for General Foods at Battle Creek, Mich., completed an M.B.A. at Western Michigan University over the summer. His current address is 35 Steward Place, Apartment 405, Mount Kisco, N.Y. 10549.

'67

ROGER HYBECK (E. E.) is instruction microwave system engineering in the radio systems officer course at Fort Monmouth, N. J. First Lieutenant Hybeck, who was assigned to the U.S. Army Signal Center and School last November, was commissioned through ROTC at Rose and spent his first two months at Fort Gordon, Ga., where he completed the Signal Officer Basic Course as an honor graduate. His current address is 50-A Eaton Crest Drive, Eatontown, N. J. 07724.

ROBERT F. LEWSADER (Physics) is serving as a field engineer for Sperry Rand at the Newport News (Va.) Shipbuilding and Dry Dock Company. His group is primarily concerned with various computers and associated peripheral gear for the navigation system in Polaris/Poseidon submarines. Lewsader reports that he has completed approximately one-half of the requirements for a masters degree in systems management at George Washington University. His current address is 46 Twin Lakes Circle, Apt. 1-D, Hampton, Va. 23366.



1959 REUNION—Returning for the 10-year reunion of the class of 1959 were, left to right, F. J. Reising, Barlow Brooks, Dave Hendricks, Jim O'Donnell, Bill Kuchar, Bob Dinning, Bob Manning, Joe Bronnert, Dick Brown, Jack Fenoglio, Harry Brown, Bill Bock, Ken Hollingsworth, W. G. Campbell, John Davis and Gary Wetmore. Among those who returned but were absent from the photo were Carl "Rocky" Herakovich and former football coach Phil Brown, who retired in 1959.

RONALD P. GLANZ (M. E.) has accepted a position with the Research and Development Consumer Products group of Kimberly Clark Corporation in Neenah, Wis. Glanz, who worked for E. I. du Pont de Nemours & Co., for one and one-half years following his graduation from Rose, presently is working in the new field of non-wovens and reports that he and his wife enjoy living in Wisconsin. Glanz also has begun work on a masters degree at the University of Wisconsin in Madison. Glanz' new address is 512 Hansen Street, Neenah, Wis. 54956.

JOHN W. KATZBECK, Jr. (M. E.) has been transferred to the RCA Magnetic Products Division, Indianapolis, and promoted to an associate member of the engineering staff. Katzbeck, who previously had been a junior design engineer with the RCA Broadcast and Communications Products Division at Camden, N. J., currently is working as a mechanical development engineer in RCA's computer disk pack group which is engaged in development and design of production processes and machinery for disk packs. John reports his new position is "much more enjoyable and interesting than Camden." He also has returned to one of his favorite past-times—pulling for the Engineers. Katzbeck's current address is 8735 Rue Rivera-3A, Indianapolis, Ind. 46226.

JOHN BRAY (Chemistry) will be aboard the U.S.N.S. Eltanin as a research chemist when it leaves Adelaide, Australia, on Dec. 15 for the southernmost leg of its 41st oceanographic cruise. The ship will travel as far south as the Antarctic ice pack will permit, gathering physical, chemical and geophysical data to increase understanding of the Antarctic circumpolar current. As a member of one of four different research groups on board, Bray will be working with oceanographers from Johns Hopkins, Lamont Geological Observatory, Scripps Institute of Oceanography and Flinders University of South Australia. The cruise is the culmination of a three-year program for a master's degree in chemical oceanography at Johns Hopkins.



1964 REUNION—13 alumni returned for the first reunion of the class of 1964 at Louise's Restaurant. Complete photo identification was not possible.

ROBERT D. BRUNT (M.E.) has been transferred to the Linde Division, Cryogenic Products Department, of Union Carbide Corporation in Los Angeles. Brunt, who formerly was at the Speedway, Ind., plant, has assumed the position as a technical representative. He assists Linde distributors in the area, as well as responsibility for direct sales in the Southern California, Arizona and Nevada area. While in Indianapolis Brunt attended the Indiana University School of Law at nights and is a few hours into the second half of the program. He plans to resume work toward the law degree at Loyola University Law School in January. His current address is 961 Alta Pine Drive, Altadena, Calif. 91001.

NICK VIROSTKO (Ch.E.) has moved to St. Louis and a position as process engineer for Mallinckrodt Chemical works where he is responsible for production in four chemical areas. He joined Mallinckrodt in September after two years with Olin Mathieson Chemical Corporation at its Doe Run Works in Brandenburg, Ky. Virostko's current address is 8417 Fresno Court, Apartment B, St. Louis, Mo. 63121.

'68

WILLIAM N. HURSTA (Bio. E.) has been graduated with honors at Sheppard Air Force Base, Texas, from the U.S.A.F. medical equipment course and is currently assigned to Brooks Air Force Base, Texas, for duty with the Air Force Systems Command. Airman First Class Hursta, one of three members of the first graduating class in biological engineering at Rose, is working in the area of medical and dental equipment as it relates to the fledgling field of biological engineering.

DARREL G. BROOKS (E. E.) has moved to the Charleston, S. C., area and a position as field service engineer for General Electric Company's Ordnance Service Systems department. Brooks works with the Polaris/Poseidon Missile program in the area of guidance systems and their respective support equipment and reports that he will be required to change locations at from 12 to 18-month intervals. His current address is 101 Wessex Drive, Pineview Estates, Hanahan, S. C. 29405.

In Memoriam

Professor Orion L. Stock Dies; Taught at Rose for 40 Years

DR. ORION L. STOCK, professor of drawing and descriptive geometry at Rose Polytechnic Institute for 40 years, died Nov. 4 in Frankfort, Mich., following an extended illness. He was 85 years old.

A 1908 graduate of Rose in civil engineering, he was for 40 years a member of the faculty, having served as chairman of drawing department most of the time from 1912 until his retirement in 1952.

Dr. Stock, who worked in railroad engineering for three years following his graduation from Rose, returned to the campus in 1911 for graduate work in architectural engineering. He earned a degree in architectural engineering in 1912 and his master of science degree in 1914, and thus was one of the few men to earn three degrees from Rose.

In 1954, Rose Polytechnic conferred the school's highest award, the honorary doctor of engineering degree, on Prof. Stock in academic ceremonies unique in the history of the college.

His alma mater conferred the highest award in ceremonies which also honored his son, Dr. C. Chester Stock, with the same award. The younger Stock, a 1932 graduate of Rose, is science director of the Sloan-Kettering Institute for Cancer Research, New York.

During his long career at Rose, Prof. Stock was active in alumni affairs, serving as president of the



Dr. Orion L. Stock

Rose Alumni Association twice, in 1925 and again in 1940. He also was the recipient of many honors, including the Honor Alumni Award during Homecoming activities in 1962.

'07

Word has been received of the death of RUSSELL S. SAGE, a 1907 graduate of Rose in electrical engineering. The date of death was not available when the Echoes went to press. Sage, who before his retirement was associated with the Engineering and Mining Division of General Electric Company, made his home in Albany, N.Y. at the time of his death.

Change of Address?
Send it to Rose

'08

E. BRADFORD HUNLEY died July 17 in Pocatello, Idaho, following an illness of three years. A civil engineering graduate, Mr. Hunley worked in railroad engineering during his early career and moved to power transmission following a tour of duty with the U. S. Army during World War I.

'10

RALPH L. FLOOD, formerly president of the Keystone Coal Company, Indianapolis, died Sept. 13, in Boynton Beach, Fla. Mr. Flood, who was associated with the Linton (Ind.) Coal Mining Company for 12 years following his graduation from Rose, was president of Keystone from 1923 until his retirement.

'11

EDWARD L. FERRELL, a 1911 graduate in civil engineering died May 17 in Shelburne, Vt., following a lengthy illness. Prior to his retirement some years ago, he was a highway engineer for the State of Tennessee.

JOHN M. McDANIEL (E.E.), died Oct. 20 in Plainfield, Ind. A native of Shelbyville, he was associated with the Terre Haute Commercial Distillery and the Minnesota Malting Company prior to returning to Indiana and a number of years in private engineering consulting and farming at Danville, Ind.

'12

RAYMOND C. FLOYD (C.E.), formerly supervisor of Highway Construction Engineering for the U. S. Bureau of Public Roads at Atlanta, Ga., died Nov. 13 at Toledo, Ohio, where he had made his home in recent years.

'24

GEORGE O. RALL (M.E.), formerly production engineer for Woodall Industries, Detroit, died Oct. 17 in Lake Orion, Mich.

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