

Winter 1970

Volume X - Issue 6 - Winter, 1970-71

Echoes Staff

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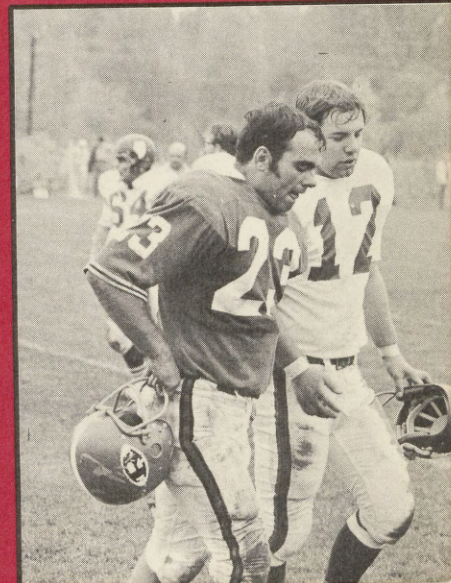
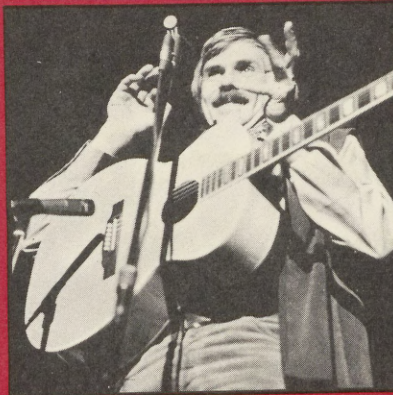
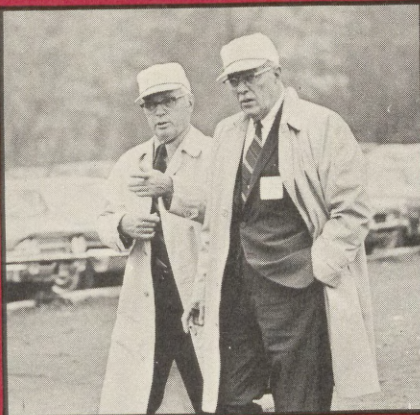
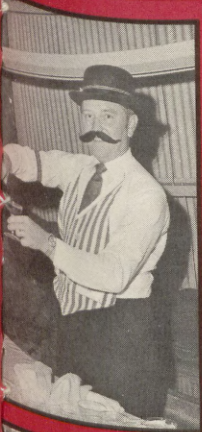
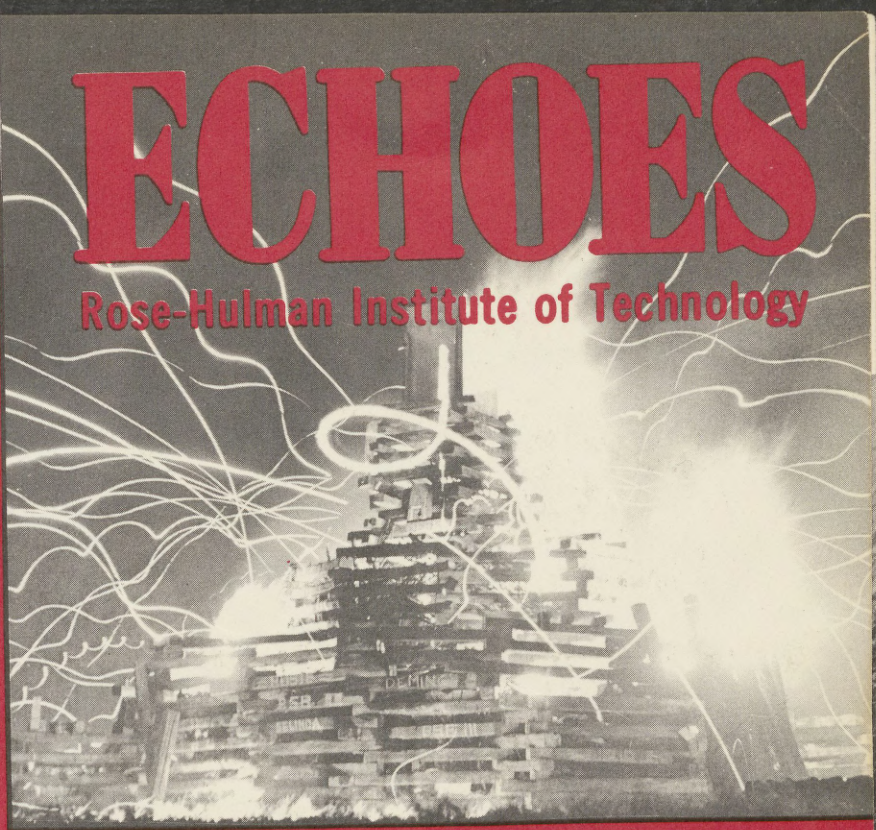
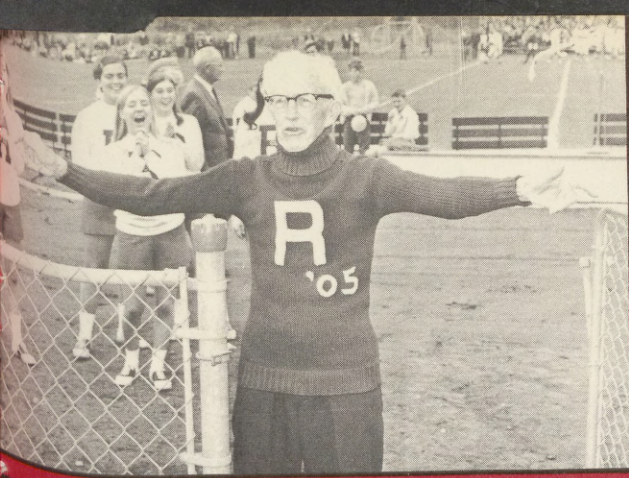
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ECHOES

Rose-Hulman Institute of Technology



Winter 1970-71

ECHOES

Rose-Hulman Institute of Technology

ALUMNI MAGAZINE

Winter, 1970-71

Vol. X, No. 6

ROSE ALUMNI ASSOCIATION

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John T. Newlin, Feb. '43, President

R. C. Brown, '27, Vice President

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

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1970-71

Homecoming Richard L. Brown '59

Fund Raising Thomas L. Reese '58

Student Recruitment Fred W. Goetsch '57

Rose Tech Clubs Vern W. Fellows '62

Awards and Recognition
William Nicewanger '63

Continuing Education
Carl R. Wischmeyer '37

ALUMNI MEMBERS OF THE BOARD OF MANAGERS

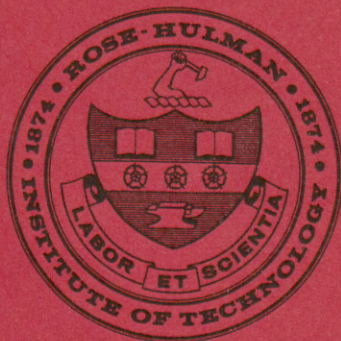
Fred W. Garry April '51
1968 to Annual Meeting 1972

Adam K. Grafe, '25
1970 to Annual Meeting 1974

ROSE ALUMNI OFFICE

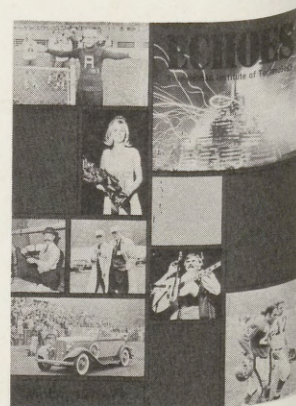
Terrence R. Barton Alumni Director

W. Kent Harris Editor, The Echoes



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The Cover

The cover of The Echoes is a photographic capsule of Homecoming '70. The picture story of Homecoming continues throughout the magazine.

Published January, March, May, July, September, and November by Rose-Hulman Institute of Technology 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.

Hulmans Re-Endow Rose

January 6, 1971 was a most exciting day in the history of "Dear Old Rose."

Most of the newsmen who converged on the all-school convocation and late morning press conference were "certain beyond a doubt" that the story about to unfold was that the oldest privately supported engineering school west of the Alleghenies was bowing to the times and would announce that it was going co-educational.

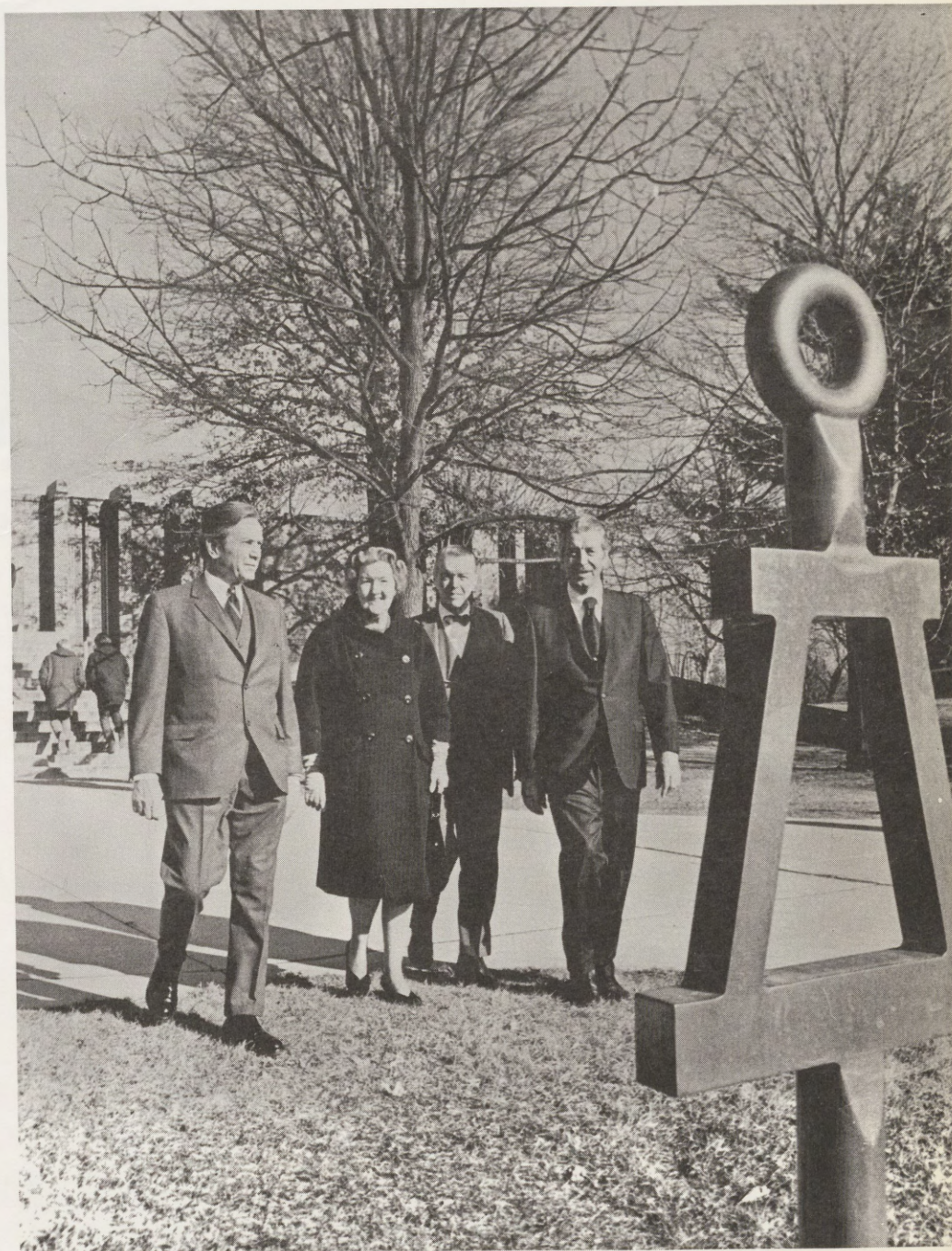
The story exceeded the expectations of even the most knowledgeable newsmen.

For this was the day officials of the school gave reporters a truly great story--the announcement of the gift of Mr. and Mrs. Anton Hulman, Jr., of Terre Haute, of the entire assets of the multi-million dollar Hulman Foundation and the renaming of the college from Rose Polytechnic Institute to Rose-Hulman Institute of Technology.

With Mr. and Mrs. Hulman and Benjamin G. Cox, chairman of the Board of Managers, on stage, Dr. John A. Logan made the announcement by reading the letter he had sent alumni, parents and friends telling of the exciting development the day before. The enthusiastic response of the 800 students and faculty who filled the auditorium, the wings of the stage and adjoining corridors to overflowing was a deeply moving "thank you."

Acknowledging Mr. and Mrs. Hulman for their generous gift and their supreme confidence in the school, Dr. Logan explained the gift and the fact that the assets of the Hulman Foundation

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Mr. and Mrs. Anton Hulman, Jr., are shown in front of the Tau Beta Pi bent following the press conference announcing the gift of the Hulman Foundation and the changing of the name to Rose-Hulman Institute of Technology. Hulman, Board Chairman Benjamin G. Cox (center) and President John A. Logan are members of Tau Beta Pi, national engineering honorary.

would be placed in endowment, essentially re-endowing the college.

Benjamin G. Cox further explained the opportunity for the school, premising his remarks by "dashing" rumors which persisted prior to the announcement.

"I've heard rumors we're going co-ed. . . . I've also heard rumors we're going to have open visitation. . . I've heard rumors we're moving to Florida," he said, the students' cheer on the third statement drowning his voice. "One of the main reasons for rumors is that something exciting is in the stew pot. . . and it has been for some months while we discussed this exciting opportunity for Rose with Mr. and Mrs. Hulman.

"We've postponed this announcement, however, until Rose could recognize one of its finest traditions. Rose is a family . . . Rose is a family of its students, its faculty, its alumni. Rose's success is the result of the dedication of its students and its faculty which produces one of the strongest alumni groups of any educational institution that this country has.

"What we are doing today is not new to Rose . . . it is the second time it has happened in ninety-five years. Chauncey Rose, in September of 1874, joined with a number of leading citizens of Vigo, Parke and Vermillion counties in organizing the Terre Haute School of Industrial Science, primarily for the purpose of giving young men a practical education in the principles of science as applied to the various trades and vocations of life in this American society of ours.

"Mr. Rose was convinced that the school had been soundly established on the principles of the education of young men in the scientific profession to become stable citizens within the frame-



Board Chairman Benjamin G. Cox conducted the press conference on the announcement of the Hulman gift. With Cox were Mr. and Mrs. Anton Hulman and Dr. John A. Logan.

work of the American philosophy, and that this was in the best interest of the society at that time in 1874. Mr. Rose, having strong faith in the school's prospects for a future on this plane, became its chief benefactor at that time. The Board of Managers then changed the name of the school from Terre Haute School of Industrial Science to Rose Polytechnic Institute as evidence of its accepting the challenge for continued growth and development which was laid down by Mr. Rose's generous support and strong ideals.

"The Hulman family is not new to Rose. The Hulman family, for over fifty years, has been one of the strongest supporters of the principles this school stands for, and one of the strongest material supporters of its goals and projects. Mr. and Mrs. Hulman are also convinced that these basic concepts which have constantly guided the energies and develop-

ment of the faculty and students at Rose are sound. Mr. and Mrs. Hulman not only respect the integrity of these basic concepts, but also have strong faith in the substantial contribution the institution has made, and can continue to make, guided by the principles of educating young men in the scientific profession to become stable and contributing citizens of our American society.

"Motivated, then, by substantially the same desires as Mr. Rose was . . . to contribute to the continued growth and development of such an institute, Mr. and Mrs. Hulman have contributed the entire assets of their Hulman Foundation, to carry out the same purpose, then, that guided the Board of Managers back in 1875. The board now again has changed the name of the Institute in order that the Hulman name may join the Rose name as a team on our banner and on our seal, representing the continu-

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ation of the same goals with which the institute was established and to assure its continued growth and development"

The Hulman gift was a new dimension in the interests of the Hulman family in Rose which dates to the turn of the century. Our present 130-acre campus, formerly the Hulman farm, was given to the college by Herman and Anton Hulman, Mr. Hulman's father and uncle, in 1917, allowing Rose to move from its original ten-acre campus in Terre Haute. More recently, the Hulman family has been instrumental in the construction of our student union building named in memory of Mr. Hulman's mother and father. Mr. Hulman's mother also was instrumental in providing many of the valued furnishings in the east-wing of the Union.

A native of Terre Haute and a Yale University engineer, Hulman has served on the Board of Managers since 1946. As president of Hulman & Company of Terre Haute and the famed Indianapolis Motor Speedway, he has expanded and diversified a business founded by his grandfather into one of the Midwest's largest enterprises. Through his personal touch and true sportsmanlike manner he has developed the Indianapolis 500-Mile Race into one of the world's greatest sports spectacles.

While the Hulmans preferred not to speak at the convocation, Hulman answered the inevitable question "Why Rose?" with one short statement during the press conference.

"I've loved Rose all my life, in fact, I've grown up under the influence of Rose. I've spent most of my life trying to develop the Foundation so it would do some good and I feel that it can accomplish a lot at this institution."

And it will.

Winter, 1970-71

Editorial Comment

(The Terre Haute Star)

An Editorial-

A Gift Of Affection Valued Investment

With the announcement Wednesday of the gift from Anton Hulman Jr., and Mrs. Hulman the community was given another proof—although certainly none was needed—of the affection in which this family holds its home town and its institutions.

As Mr. Hulman himself said, as gift of the remaining assets of the Hulman Foundation to Rose—now Rose-Hulman Institute of Technology—was announced:

"I've loved Rose all my life, in fact, I've grown up under the influence of Rose. I've spent most of my life trying to develop the Foundation so it would do some good and I feel that it can accomplish a lot at this institution."

It certainly may and will. This relatively small educational institution—but it has been growing lately—is obviously a jewel of its kind. It has maintained the highest standards. With the new horizons opened by the generous gift, it will further increase its value.

It is obvious Mr. and Mrs. Hulman consider this a fine investment for the Foundation. The community generally will agree.

A gift of love will pay wonderful dividends far into the future for the community and humanity in general.

(The Indianapolis Star)

Gift Of The Hulmans

Free enterprise—the system that outproduces all the rest—got a new infusion of life when Mr. and Mrs. Anton H. Hulman Jr. gave the assets of their multi-million-dollar Hulman Foundation to Rose Polytechnic Institute at Terre Haute.

The engineering school for men, its value of more than \$14 million essentially doubled by the gift, will be known from now on as the Rose-Hulman Institute of Technology. The names are of men with much in common.

Chauncey Rose was a pioneer Terre Haute industrialist and railroad builder who helped develop a budding country in days when automobiles, airplanes, the incandescent electric light, radio and television were dreams.

He founded the school in 1874 to educate young men in the scientific professions "to become stable citizens within the framework of the American philosophy." Its officials take pride in the fact it is a product of the private enterprise system, determined to maintain its support of that system.

Tony Hulman, Hoosier industrialist and owner of the Indianapolis Motor Speedway, is the kind of risk capitalist who has been willing to invest in a wide variety of enterprises and thus has made things happen which have provided jobs and opportunities on a large scale.

The Hulman family gave its farm to the school, then occupying 10 acres in Terre Haute, in 1917. The farm became its present 130-acre campus.

Societies grow more productive, strong and sound when wealth is infused into the process of higher education under tried, seasoned stewardship.

The gifts of Chauncey Rose and the Hulman family embody that principle. Just as they enhanced the mastery of technology that helped solve problems of the past, they will strengthen the minds of engineers and scientists whose task will be to solve pressing problems of the present and future.



Frederick M. Crapo '19 handles the giant scissors on the ribbon cutting for Mildred & Frederick Crapo Hall, the new classroom building named in honor of the Crapos for their outstanding service to the school. Dr. Logan, Mrs. Crapo and members of the Board of Managers participated in the ceremony.

Crapo Hall Dedication

When assessing the impact of the matriculation of more than 350 men for the class of 1973 slightly over a year ago, **The Echoes** quoted a study provided the Board of Managers by Dr. Darrell E. Criss, February '43, which indicated the Main Building was literally bulging at the seams. At that time classrooms (including some substandard nooks and crannies) were in use eighty-five per cent of the time, based on a tightly scheduled day which begins at 7:50 a.m. and ends at 5 p.m.

Today, it's a brand new ball game, so to speak. For much of the problem of overcrowding was remedied at the start of the second quarter when the ten-man

mathematics department, six-member Dean of Student Affairs-counseling-financial aids operation, and the graphical communications laboratory moved from the bustling Main Building to the new Mildred and Frederick Crapo Hall, a 25,000 square foot structure sited west and to the north of the Main Building.

Built and equipped to a large extent for slightly under one-half million dollars, the building houses twelve large classrooms, faculty offices for sixteen, conference areas and the huge graphics laboratory. Additional limited access laboratories on the lower level will be assigned in the near future.

Dedication of the handsome structure which complements the Main Building took place during Homecoming '70, with Frederick

Crapo '19, his wife Mildred and members of the Board of Managers officiating.

The building was named in honor of the Crapos for their outstanding loyalty and service to the Institute over a number of years. An electrical engineering graduate and inventor of high tensile steel wire used for power transmission, Crapo before his retirement was president of General Cable Corporation of Muncie, one of the midwest's leading wire and cable manufacturers.

Long active in the affairs of Rose, he recently was elected to emeritus status on the Board of Managers. Named to the governing body of the school in 1952, he served on the endowment committee of the board for a number of years.

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Cloutier Joins Board

Joseph R. Cloutier, vice president and treasurer of Hulman and Company and a director of a number of its subsidiaries, was elected to the Board of Managers of the school during the Fall meeting.

A native of Terre Haute, Cloutier joined Hulman and Company in 1926 as a clerk in the treasurer's office, and was subsequently promoted to his current position as treasurer of the diversified Hulman enterprises, including the Indianapolis Motor Speedway.

Cloutier is a past president of the Terre Haute Chamber of Commerce, and currently serves on the board of directors of the organization. He also is a charter member of the Rose Board of Associates, a group of local business and community leaders keenly interested in Rose-Hulman and its educational philosophy.

Benjamin G. Cox, Terre Haute attorney, and Carl E. Ehrenhardt '30, president of Winslow Government Standard Scale Works, Inc., of Terre Haute, were re-elected chairman and vice chairman of the board during the annual election.

Marshall T. Hubbard, president of Weston Paper and Manufacturing Company, was elected treasurer, filling the vacancy created by the death of John T. Royse in August. The local banker had served on the board since 1937. James C. Skinner '33, president of Thomas & Skinner, Inc., Indianapolis, was elected secretary, replacing Walter L. Osmer '20, Terre Haute insurance executive who was elected to emeritus status on the board in February.

Adam K. Grafe '25, president of Adam K. Grafe and Associates of Dallas, Texas, joined the Board of Managers as the alumni representative for a four-year

term ending at the annual meeting in 1974.

Grafe, who served as president of the Rose Alumni Association in 1968, succeeds Russell E. Archer, Sr., '34 of Terre Haute. Grafe has agreed to serve as chairman of the national business and industry fund raising campaign during 1970-71.

In other action, the board elected two recently retired faculty members and former top administrators to emeritus status. Dr. John L. Bloxsome, formerly Vice President for Development and later Vice President and Special Assistant to the President, and Paul B. Headdy, formerly Director of Admissions and Placement, were elected Professors Emeritus in Humanities and Social Sciences. Dr. Bloxsome joined Rose as head of the humanities department in 1929, while Prof. Headdy had

served the school since 1946 as a teacher and administrator.

Barton Leaves

Terrence R. Barton, a member of the Rose-Hulman administrative staff since 1966 and director of Alumni Affairs since 1969, has resigned to accept a position as Director of Admissions at Doane College, Crete, Nebraska.

Barton, who joined Rose after serving as Director of Admissions at Iowa Wesleyan College and an admissions counselor at DePauw University, is a 1960 graduate of DePauw. He earned a master's degree in higher education at Indiana University in 1964.

Having served as Associate Director of Admissions at Rose from the fall of 1966 to January, 1969, he takes ten years of college administration experience to the privately supported and prestigious Nebraska school.



Members of the Board of Managers in attendance at the Homecoming meeting were (kneeling) Benjamin Cox, Fred Gary, Jim Skinner and Dr. John Logan. Standing are Marshall Hubbard, Robert Shattuck, Forrest Sherer, Carl Ehrenhardt, Frank Thomas, Charles Breskin, Thomas Binford, Fred Crapo, Henry Offutt, Richard Bergmann, Maynard Wheeler, Lee Berry, Walter Osmer, Russell Archer and C. H. Blanchard.

Although coordinators turned back the clock seventy-five years to the "Gay Nineties" for the theme for Homecoming '70, the BIG weekend seemed to have as much emphasis on the future as on the glorious past of "Dear Old Rose."

For while the Fifty-Year banquet, class reunions, the bonfire and football game, etc., were traditionally nostalgic, events such as the dedication of Crapo Hall, a very fine continuing education program coordinated by Carl R. Wischmeyer '37, and the historic Fall board meeting dealt with the future of the school.

Alumni Association President Robert T. Mees ('31) served as official greeter and master of ceremonies for Homecoming '70, relinquishing his office to John T. Newlin (Feb., '43) during the annual Homecoming banquet. But instead of handing over the gavel of office to Newlin, the latter passed the gavel to Mees in appreciation of his services as president.

The handsome gavel, incidentally, was turned by master craftsman and engineer-woodworker Charles Failing ('18), who operates a woodworking business in Terre Haute as a retirement sideline.

Homecoming '70



C. Brenton Cook, left, and Dudley D. Wright take a "sideboards" approach to the luncheon preceding the Engineers' Homecoming battle with Illinois College.

C. Brenton Cook and Dudley D. Wright of the Class of 1905 were the oldest alumni in attendance at Homecoming, celebrating their 65th with a full round of activities, save the hard rock concert by "The Rascals."

Alumni attending the Fifty-Year banquet were C. Brenton Cook '05, Thomas E. Drake, Lawrence D. Gwin, Ed J. Hegarty, and Ruel F. Burns, all of the

class of 1915; A. D. Merrill '16; Paul B. Curtis, George Henry, Charles Failing, and Chauncey McKee, all of the class of 1918, and Fred M. Crapo, Richard Gillum, and Ivan S. Mendenhall, all of the class of 1919.

One of the highlights of the dinner was the "induction" of the class of 1920 into the ranks of the "club." Those members of the class of '20 in attendance were Andrew Brophy, George L. Brown, William C. Bryan, George Flesher, Paul B. Grafe, Herman J. Lauterbach, William Meadows, Walter L. Osmer, Fred B. Ray and Arthur P. Woolfolk.

Pretty Peggy Grimmer, a sophomore sociology major at St. Mary-of-the-Woods reigned as queen over student activities during Homecoming '70.

The 19-year-old blonde beauty from Fort Wayne, who has caught the collective eye of the Rose student body as an Engineer cheerleader, represented Sigma Nu fraternity and was escorted by Robert "Buzz" Scharringhausen ('71, M.E.), a familiar face at defensive tackle at Rose the last four years.

Members of Miss Grimmer's court were Beverly Day, Terre Haute, a graduate student at Indiana State who gained All-America Cheerleader recognition in 1969; Susan Edds, Dugger, a junior nursing major at ISU and a charter member of the Little Sisters of Alpha Tau Omega, and Anna Marie Farrara, Wyomissing, Pennsylvania, a senior at the Woods majoring in French. Miss Ferrara is the 1970-71 Lambda Chi Alpha Crescent Girl.



Dr. John A. Logan officiates at coronation of Peggy Grimmer as Homecoming Queen.

One of the duties performed by Miss Grimmer during her reign as queen was the awarding of the trophy for the best float among the six competing fraternities.

Alpha Tau Omega won the competition for a second straight year with a float built on a theme of an eighteenth century riverboat. The riverboat was "towed" by a rowboat with a mechanized elephant at the oars. Suppose the Taus were trying to gig one of the other older fraternity's traditions?

Other cleverly mechanized floats were built on themes involving early autos, fire engines, beer wagons and Rosie's gazebo.

It is a shame that one lap around the quarter mile track at Phil Brown Field is the extent of what one student aptly dubbed as "the world's shortest parade." But, of course, Rose Homecoming is for Rose men, not the general public.

Fifty-Year Club and Wives



Winter, 1970-71

Honor Alumni

Rose graduates who have distinguished themselves in the fields of engineering education and big business received Honor Alumni Awards during the annual banquet which culminates Homecoming each year.

Ralph W. Tapy ('26), retired professor and chairman of electrical engineering at the University of New Mexico for more than twenty years prior to his retirement in 1962, and Dr. Frederick J. Bogardus ('32), Vice President for Academic Affairs at Tri-State College, Angola, Indiana, received the highest honor bestowed by the Rose Alumni Association.

A posthumous Honor Alumni Award was presented in honor of Leroy A. Wilson ('22), president of the A.T.&T. Company at the time of his death in 1951.

His daughter, Mrs. Shirley W. McCune of Upper Montclair, New Jersey, returned to the campus for the first time in more than twenty years to accept the award

honoring her late father. Her last visit to the campus was in 1948 when Rose conferred an honorary Doctor of Engineering degree on Mr. Wilson during a special convocation.

Each was reared in Terre Haute, and honor student at Rose and a member of Tau Beta Pi.

Following his graduation from Rose in electrical engineering Prof. Tapy earned a masters at the University of Michigan before joining the University of Detroit where he served from 1928 through 1939.

He left the University of Detroit to become professor and chairman of electrical engineering at the University of New Mexico in Albuquerque, a position he held until 1960 when he elected an early retirement to become a visiting professor at the University of California at Los Angeles.

Prof. Tapy, who was named professor emeritus of electrical

engineering at New Mexico in 1962, spent his first two of four years as visiting professor at UCLA as a special consultant to the University of Gadjah Mada, Jogjakarta, Indonesia.

He was assigned to establish technical aids, supply and plan engineering laboratories and curricula for engineering disciplines under a project funded by the International Cooperation Administration and UCLA for a two-year period from 1960 through 1962.

Having completed the initial project, Prof. Tapy extended for two more years in Indonesia and launched the university's first program in electrical engineering. He returned to United States in 1964, and continued to work as a professional engineer in the position of vice president of Engineering, Inc., consulting engineers of Albuquerque.

Dr. Bogardus was graduated from Rose in 1932 with a B.S. in mechanical engineering. He earned the M.S. at Yale University and the Ph.D.

Heartfelt Thanks

To the editor of The Echoes:

Now that we are back in Albuquerque and have had time to think about the events of Rose Homecoming I am more proud of Rose than ever. The conference on looking at Rose in the '70s was most enjoyable. It is a comforting thought and gives one a sense of deep pride to know that one's Alma Mater is still on top and looking forward. We older alums are prone to recall the old days and remember with love and respect the professors we had in our student days at Rose, and this is as it should be.

My class of '26 was the first to enter Rose on the new campus. So after the alumni meeting I took a stroll down the walkway over the labs and up to the old gym where I had a "trig" class at a time when workmen were putting on the roof overhead. I looked down on a corner of the E. E. lab where I attended an algebra class. To get to the corner which was temporarily floored with rough boards, we had to walk from one joist to the next. Among the other changes I noticed were the stairways -- where I used to take them three or four at a time going up, they seemed

much steeper now going down one at a time. Then I realized that Rose is for the young and this too is as it should be.

Naturally to me personally, the major event was receiving the Honor Alumnus Award. Though many others are equally or more deserving, I have in all my teaching and consulting work tried to hold up the high ideals of quality for which Rose stands. If there is any merit in the award I would like to think that it was in recognition of some degree of success along these lines. I was disappointed in only one thing, and that was that we were not given

Leroy Wilson, Ralph Tapy And Fred Bogardus Honored

from Purdue University in 1954.

He joined Scott Paper Company in 1934 as a junior engineer and remained with the firm until 1947, except for the World War II years, advancing to the position of mechanical development engineer.

Dr. Bogardus, who has been associated with higher education for the last 23 years, was a member of the mechanical engineering faculty of Purdue University from 1947 to 1962, advancing to the rank of professor.

He joined Tri-State College in 1962 at the start of a growth period similar to that of Rose, and as Dean of the Faculty has been responsible for developing a faculty and academic programs for the independent college which specializes in engineering, business and technical fields.

Promoted to the position of vice president for Academic Affairs earlier this year, he also

serves as Dean of the School of Arts and Sciences, and has deans of the Schools of Business and Engineering and other academic administrators reporting to him.

Wilson was graduated from Rose in 1922 with a B.S. in civil engineering. He joined A.T.&T. Company as a traffic student in Indianapolis upon graduation and after moving rapidly through the engineering ranks at Kokomo and Marion was transferred to New York where subsequently became chief engineer in three divisions.

He moved into corporate management in the late thirties and in 1944 was made vice president of A.T.&T. Two years later he was made Financial Vice President, a position he held until 1948 when he was named president of the world's largest corporation.

He was a member of the Board of Managers of Rose, and received an honorary Doctor of Engineering degree from his Alma Mater in 1948 and a Doctor of Laws from Hamilton College in 1950.

A dynamic business leader, he was a director of A.T.&T. Chase National Bank, and Metropolitan Life Insurance Company, and a trustee of Denison University, The Carnegie Corporation of New York, and other groups at the time of his death.

Receiving Honor Alumni Awards, from top, were Ralph W. Tapy '26 and Frederick J. Bogardus '32. Mrs. Shirley McCune, daughter of Leroy A. Wilson '22, received the posthumous award in behalf of the Wilson family.



an opportunity to say "thank you." On receiving such a high honor one's heart is full of many things and many thoughts, and in dealing with educators one runs the risk of a person taking an hour to say what could have been said in a few minutes, but I felt a little "let down" that we did not have an opportunity to say "thank you" for what has to be the high point in any Rose man's life. So I want to take this opportunity to express my heart felt thanks for such a high honor.

Sincerely yours,
Ralph W. Tapy '26

MINUTES OF ANNUAL MEETING

Rose Alumni Association Business Meeting
Saturday - October 24, 1970 - 10 a.m.

The meeting was called to order by President Robert T. Mees, '31, at 10 a.m. in Room B-119 of the Main Building.

The minutes of the meeting of October 18, 1969 were published in the Winter 1969 issue of the Rose Echoes. It was moved by Russell Archer, Sr., '34, and seconded by K. E. Cook, '23, that the minutes as published be approved. The motion was carried.

The next order of business was the election of the Class of 1970 to membership in the Alumni Association. Upon the motion of C. Brenton Cook, '05, and second of John W. Trueb, '30, the motion was passed to elect the Class of 1970 to membership in the Association.

President Mees then called for reports from the operating committees.

Fund Raising -- Thomas L. Reese '58 -- Chairman.

William R. Gray, Aug. '50, Chairman of the 1969-70 Alumni Fund, was unable to be present, but he sent his report. He reported that the goal for 1969-70 was \$80,000. He said that he was happy to report that they went over the top of the goal and that \$87,000 was raised.

Thomas Reese, Chairman of the 1970-71 Alumni Fund, reported that the goal this year is \$115,000. If any of the alumni have ideas that would help to raise this money, he would be happy to receive these ideas. He is hoping for a minimum percentage of giving of 50% this year.

Student Recruitment -- Fred W. Goetsch, '57 -- Chairman.

Fred W. Goetsch had the following report. The Admissions Office referred men in approximately 25 geographical areas to the alumni to contact these men. The alumni in each of these areas contacted the students. These contacts are ordinarily done by telephone, but sometimes personally. Thirty alumni or more participated in this program, and from what they could tell, they had a very good yield. Approximately 64 percent of the



Thomas L. Reese '58

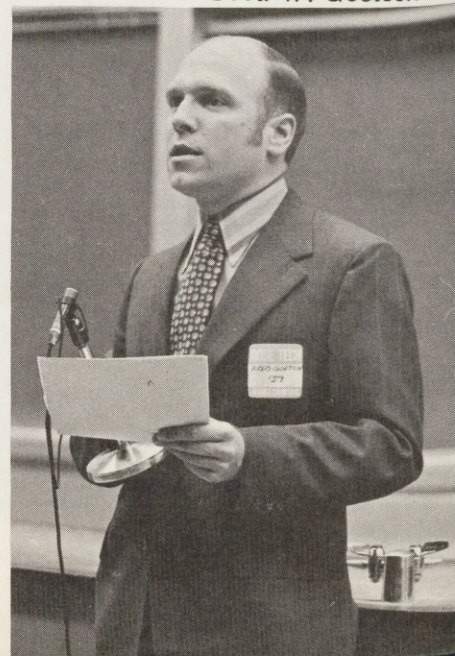
men contacted did enroll in Rose. In areas that have large numbers of prospective students, the Rose Tech Clubs have open houses for them.

The main thing that is asked of the alumni is that they make referrals to the Admissions Office of prospective students. Mr. Goetsch complimented the members of the Admissions staff for the tremendous job they do in selling Rose. The alumni can also help the Admissions Office by covering college nights at high schools in areas that the members of the Admissions Office can not cover.

Rose Tech Clubs -- Gene L. Mrava '57 -- Chairman.

Unfortunately, Gene Mrava was not able to attend, but he sent in his report. This report tells the Rose Tech Clubs how to rejuvenate their activities. Robert Mees suggested that this report be sent to all the Rose Tech Clubs since it has very valuable information in it to help the clubs. Frederick W. Garry, '51, made a motion, seconded by Roscoe McIntosh, '25, that this report be sent to all presidents of Rose Tech Clubs. The motion carried.

Fred W. Goetsch '57



Annual Meeting

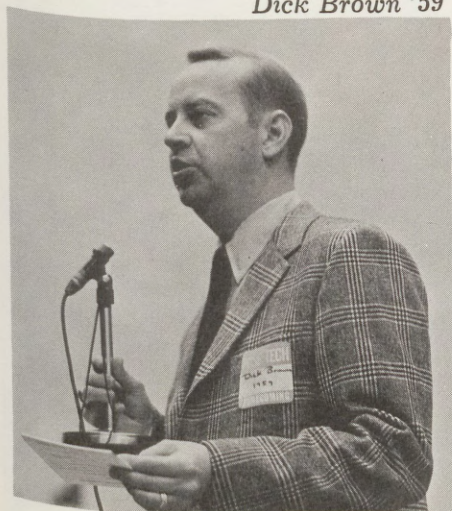


Bob Mees '31 and John Newlin '43 conduct meeting.

**Awards & Recognition -- William Nicewanger '63--
Chairman.**

The work of this committee is primarily to submit names of illustrious alumni to the Executive Committee to be considered for Honor Alumni Awards. Tonight at the Banquet two living alumni will be so honored and one alumnus will be honored posthumously. The posthumous award will go to Leroy Willson, '22, who died in 1951. At the time of his death, he was President of A.T.&T. The other two Honor Alumnus Awards will go to Prof. Ralph Tapy, '26, formerly Professor of Electrical Engineering at the University of New Mexico,

Dick Brown '59



Albuquerque, New Mexico and to Dr. Frederick Bogardus, '32, Vice President of Tri-State College, Angola, Indiana.

Bill Nicewanger says that the biggest problem they have is finding men to submit their names for recognition. He is confident there are a great number of them, and the committee would appreciate it if the alumni would send in names of people who have distinguished themselves and are deserving of recognition.

**Continuing Education -- Carl R. Wischmeyer '37 --
Chairman.**

Carl Wischmeyer was unable to be present today. The purpose of this committee is to present some type of a program to add to the educational value of the returning alumni at the time of Homecoming. The Alumni Institute this year had the topic "College 1970-Expectations". The Administration, Faculty, Alumni (young and old), students, and parents all took part. They discussed campus life today and the changes that are coming, methods of teaching, and the expectations of parents and business people of Rose graduates.

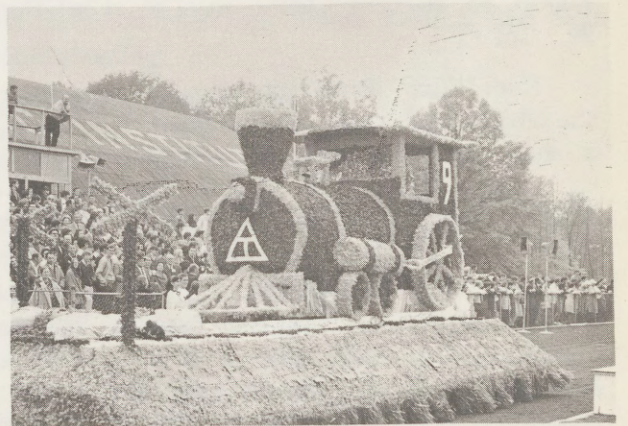
**Homecoming Committee -- Richard L. Brown '59--
Chairman.**

Richard L. Brown, President of the Wabash Valley Rose Tech Club and Chairman of the Home-

Homecoming '70

Although the annual Homecoming Bonfire has been limited in size in recent years for the sake of ecology, it nevertheless "fired up" young and old for Homecoming '70. Peggy Grimmer, head cheerleader and a student at St. Mary-of-the-Woods College, reigned as queen. Her court consisted of, reading left to right, Anna Marie Farrara, Susan Edds and Beverly Day. Alpha Tau Omega won the Homecoming float competition for the second straight year, but found strong competition from Triangle, Sigma Nu and the other entries. Smiles on the "faces in the crowd" tell the story of Homecoming best, even though the victory again eluded the Fightin' Engineers at Homecoming. Sound like fun? Be here next Fall--the date is October 29-30!





We dined . .



. . . and re

Annual Meeting Continued . . .

coming Committee, outlined the activities for the rest of the day. He thanked the staff of Rose and the Alumni Office for all the work they had done for Homecoming.

Report on 50-Year Club -- Ruel F. (Fox) Burns, Sr., '15.

Ruel "Fox" Burns introduced the members of the 50-Year Club who were present. He then gave a short report on the dinner the night before.

Alumni Representatives -- Frederick Garry '51 & Russell Archer, Sr. '34.

Fred Garry gave a report on the improvements at Rose. He talked of the new facilities, increased enrollment, fine faculty and administration and the fine quality of the student body. He thinks the Institution is in good shape and that the Board of Managers has done a fine job.

Roll Call

Anthony G. Blake '31, Secretary-Treasurer of the Association, was ill and unable to attend this meeting. John T. Newlin Feb. '43, incoming President, took the roll call. There were 63 alumni present.

New Business

Vern Whitehouse '40 made a presentation recommending a proposed amendment to Article V of the By-Laws. This amendment would appear to represent the majority view of the members of the Association based on an opinion poll conducted by mail concerning the annual Banquet. The returns of this poll indicated that the majority of the alumni were in favor of admitting only the new members of the faculty at no charge to the Banquet, and at the same time seemed in favor of a full charge for the remainder of the faculty.

Vernon Whitehouse made a motion to revise Article V of the By-Laws by deleting therefrom the words "the faculty" and in their place substituting the words "any new members added to the faculty since the last previous annual Banquet". Otherwise Article V relating to Banquet guests would remain unchanged. He moved to mail a ballot to all the alumni to make this change in the By-Laws. Thomas Reese '58 seconded the motion. John Katzbeck '67 spoke in favor of the motion. The motion passed.

Report of Election Committee -- John T. Newlin Feb. '43.



... We danced



and reminisced

Richard C. Brown '27, Dallas, Texas, has been elected Vice President. Adam K. Grafe '25, Dallas, Texas, has been elected Alumni Representative on the Board of Managers.

Election of Secretary-Treasurer

Vernon Whitehouse '40 moved, and Walter Osmer '20 seconded the motion, that Anthony G. Blake '31 be unanimously reelected Secretary-Treasurer of the Alumni Association. The motion was carried unanimously.

Honorary Degree Recipients

Ralph Tapy '22 moved that the recipients of Honorary Doctorates at the June 1970 Commencement be elected to Honorary Membership in the Alumni Association. The men to be elected are: Joseph A. Engelhard '22, Retired Chairman of the Board of Glenmore Distilleries; Adam K. Grafe '25, President of Adam K. Grafe & Associates; John T. Rettaliata, President of Illinois Institute of Technology; John L. Bloxsome, Retired Vice President of Rose Polytechnic Institute; I. Lynd Esch, President of Indiana Central College; and Carl R. Wischmeyer '37, Director of Education Center at Bell Laboratories. Nobel Blair '34 seconded the motion and the motion carried.

Election of Non-Graduates to Membership in the Association.

No nominations were received this year. However Bob Mees stressed that if any alumni know of anyone eligible to membership, they should send their names in one month prior to the next annual meeting.

For the Good of the Order.

John Katzbeck '67, Ray Frischkorn '65, John Voelker '53 and Dexter Hill '67 discussed problems with alumni mailings and address corrections and registration for Homecoming. Voelker suggested that a registration book be placed in a central location where alumni could put in the registry where they are staying in Terre Haute so that it would be possible for their friends to locate them. John Newlin said he would try to do this next year.

Adjournment.

Bob Mees announced the meeting was adjourned.

Anthony G. Blake '31
Secretary-Treasurer

Concrete Innovation

Hawaiian-born Alfred A. Yee (Oct., '48 C.E.) is one of the world's leading authorities on prestressed and precast concrete. As head of one of the largest structural engineering firms on the Islands -- Alfred A. Yee & Associates -- Yee has made many important contributions to the concrete industry.

His most recent is an unusual precast column tree framing system used for the 38-story Ala Moana Hotel in Honolulu, which opened in August and is the tallest building in the state.

The H-shaped column trees, which support prestressed-precast floor plank, enabled the hotel to go up at a rate of one floor every three days.

Yee's unique framing system is based on the fact that most structural precast elements which are joined together at the juncture between beams and columns require joinery that is often elaborate and expensive.

Yee's concept employed in Hawaii's tallest building.



The ideal point of joinery between these elements, he contends, should be located at the mid-span of beams and mid-height of columns. By integrally precasting the joints between columns and beams at the plant, the necessary continuity, ductility and toughness can be achieved at minimum cost.

Yee proved his point by developing a precast column tree with the "trunk" and "branches" integrally fabricated as units.

The H-frames were 25 feet wide by 10 feet high. They required 4.7 cubic yards of concrete and weighed about 11 tons each. The cross-shaped frames were half that width and weight.

The units were cast in special steel forms developed by an Island firm. Casting took place with the forms in an up-right position. Reasons for this were:

1. Accuracy in aligning the vertical splice sleeves and dowels.
2. Simplicity in forming the tops of beams where numerous stirrup protrusions were required for composite action between column trees and cast-in-place slab strips.
3. Uniform finish on all four sides of columns and beams.

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The forms were stripped by removing one vertical form face on the column tree. This form face opened like a gate and moved on rubber tires to simplify removal and resetting.

To join the column trees together, Yee developed a cast steel splice sleeve with double-tapered frustums. The sleeves were filled with high-strength grout and helped contain the grout which moved outward when the deformed bars were under tension or compression. Grout in the wedge-shaped section of double-tapered frustums also prevented one bar from moving against the other.

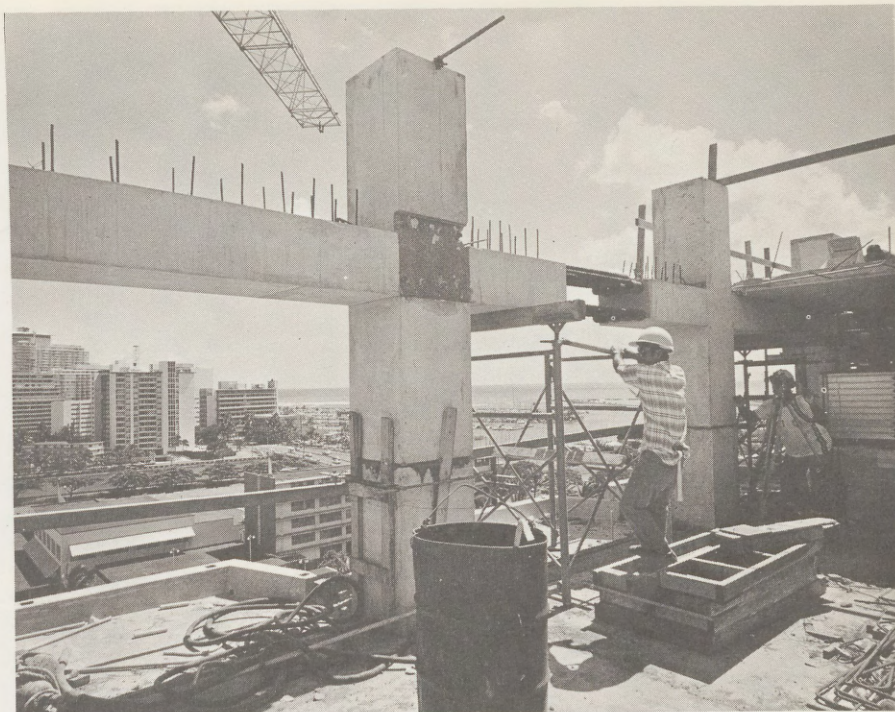
The sleeves were embedded in the upper end of the tree trucks while the vertical rebars from the trees were embedded halfway into the sleeve. This allowed vertical rebars from the upper tree to be inserted in the remaining half.

Also, the sleeves were placed in a heavy cage of reinforcing ties in order to restrain buckling and spalling and resist horizontal shear due to seismic forces at the point of joinery.

The tree branches (beams) were joined at the mid-span by means of a lapped splice. To minimize the required length of lap for convenience in precasting, handling and erection, a spiral steel coil of No. 3. gauge wire was used to wrap lapped pairs of bars in a confining action to increase the bond of the lapped splice.

Before grouting took place, the bottom of the tree to be erected and the top of the matching lower tree were wetted down and washed clean.

Grout was filled into the sleeves of the lower tree unit and a heavy paddy of grout placed in the central area of the column cross section. The upper column leg then was placed on the lower column and, as dowels were inserted into



Close-up of unique framing system.

sleeves, the excess grout oozed from it. The tree being erected was supported on tubular shores with adjustable jacks.

The elevation of the adjustable jacks was set so that the tree was initially resting in a position some $3/8$ in. higher than its final elevation. Final plumbing and elevation was achieved by a downward adjustment in the jacks after the tree was resting entirely on it.

Excess grout then was struck off and finished about $1\frac{1}{2}$ in. from the exterior face of the column.

After a floor of column trees was installed, the precast slabs were dropped in by crane. Plumbing, chases, conduits, etc. were placed in cast-in-place slab connection strips between the units.

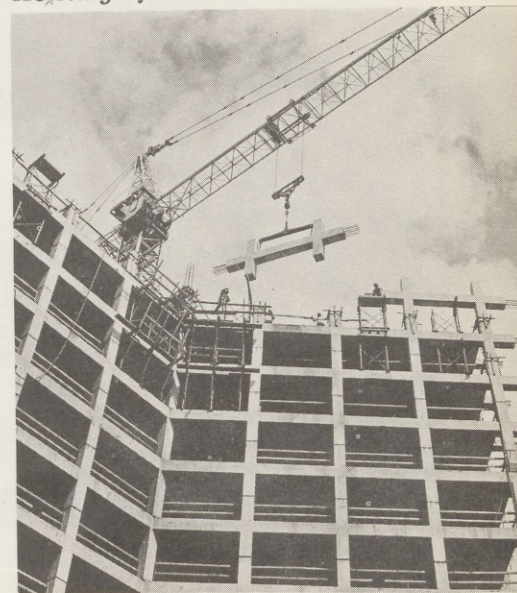
The hotel is owned jointly by Dillingham Corp. and Flagship Hotels, a division of American Airlines Inc.

Yee, who has made numerous breakthroughs in the concrete industry including the design of the world's first prestressed concrete ocean-going tug, has head-

ed his own structural engineering firm for nearly 20 years.

Long active in alumni affairs, he has held office in the Honolulu Rose Tech Club and has been nominated for the Honor Alumni Award, an honor he will receive on his next return to the campus for Homecoming.

Hoisting of a tree.



Class Notes

Four Alumni of Late '50s Named 'Outstanding Young Men of America'

Four young engineers, who made their mark at Rose in the late 1950s, have been selected for inclusion in the latest edition of "Outstanding Young Men of America." The publication each year cites men under thirty-five years of age for outstanding contributions to their profession civic affairs.

Selected for the honor were **Fred Goetsch** ('57, E. E.), **Donald G. Woehler** ('57, C. E.), **Crone Knoy** ('58, M. E.), and **Joseph L. Bronnert** ('59, E. E.).

Goetsch, who joined Indiana Bell Telephone Company upon graduation and has since worked up through the engineering ranks to district engineering manager at company headquarters in Indianapolis, is active in the Indiana Society of Professional Engineers and the Rose Alumni Association.

He currently is a state director of the ISPE and is chairman of the alumni association's committee on student recruitment. Last summer he was chairman of the ISPE convention.

In addition to his work with student recruitment for Rose, he is vice president of the Indianapolis Rose Tech Club and a member of Lambda Chi Alpha's house corporation.

Woehler is president of a consulting engineering firm which bears his name in

Indianapolis. He founded the company in 1968 after some ten years experience with a number of consulting firms in Indianapolis.

A licensed engineer in Indiana and Illinois, the structural engineering specialist is a member of the American Concrete Institute and the Construction Specifications Institute.

Knoy, who earned an M.B.A. at Indiana University in 1960, is vice president of Operations for Universal Tank and Iron Works, Inc., of Indianapolis, a "Rose" firm which he has been associated for more than ten years.

He joined the firm as a project engineer and has held subsequent positions as chief engineer, purchasing agent, and contract administrator in the company with specializes in the manufacture and erection of elevated tanks and water systems.

Bronnert, who has been with Public Service Indiana since 1960, currently is division engineer for the Southern Division headquartered in Columbus, Indiana.

He joined the utility as a test engineer a brief assignment with the Allison Division of General Motors and his tour of duty with the U. S. Army. He served as a district engineer from 1961 to 1965 and as a project engineer for corporate planning from 1965 to 1968 when he received the top job in the Southern District.

Alumni VP Nominations

Vern E. Whitehouse, '40, **Edward T. Mabley**, Dec. '47 and **Owen H. Meharg**, '54, have been presented as nominees for vice president of the Rose Alumni Association, according to **Gene A. Zwerner**, past association president and chairman of the nominating committee.

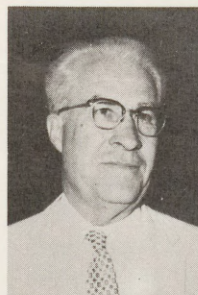
The election will conducted by mail ballot to be in the hands of alumni 30 days prior to Homecoming, with announcement of the vice president elect coming at the annual meeting next Homecoming.

Members of the nominating committee were the five most immediate past presidents of the association. Members were: **Zwerner**, **John B. Stineman** '37, **Dewitt P. Cromwell** '19, **Adam K. Grafe** '25 and **Robert L. Royer** '49.

(Complete details of the election will be published in subsequent Echoes).

'30

JAMES H. CORP (E.E.) recently completed a 40-year career with the Bell System when he retired from the Bell Laboratories in Denver, Colo. Corp began his career with



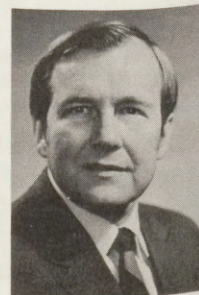
Bell in 1930 with the Michigan Bell Telephone Company in central office maintenance area and then worked in special services and maintenance engineering. In 1954 Corp transferred to Bell Laboratories as a member of the Quality Assurance Center.

Later he was sent to Denver as a Bell Labs field representative, continuing his quality assurance work. Corp and his wife Evelyn have lived in Denver for 16 years and reside at 2999 East Floyd Drive.

MAURICE L. PIKER (Ch.E.), formerly Technical Associate for the Eastman Kodak Company, has retired, effective January 1, 1970. Piker continues to reside at 441 Ridgmont Drive, Rochester, N.Y., 14626.

'43

CHARLES R. MCKINNEY (E.E., October) has been named engineering and research manager for the Instrument Products Division of E.I. duPont de Nemours



& Company headquartered in Monrovia, Calif. The Instrument Products Division formerly was part of Bell & Howell Company. McKinney joined the former parent company in 1962 after having served as a research fellow at the California Institute of Technology. He also did graduate work at the University of Minnesota and the University of California at Los Angeles. At the time of the acquisition, McKinney was assistant director of engineering.

'49

FRANK F. EBERHARDT (C.E.), formerly a Lieutenant Colonel in the United States Air Force, was recently decorated with the Meritorious Service Medal during his retirement ceremony at Barksdale Air Force Base, Louisiana. Col. Eberhardt distinguished himself as chief of the contingency warfare branch at Barksdale. The 28-year veteran has served in World War II, the Korean conflict, and Vietnam and was commissioned through the aviation cadet program after Korea. He also holds the aeronautical rating of master navigator.

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ARNOLD M. HANNUM (C.E., January) is now a mine engineer with the Engineer Development Company located in Hannah, Wyoming. Arnold was formerly employed at Sullivan, Ind., where he worked as superintendent of deep operations for the Ayrshire Collieries.

'50

WILLIAM E. SLAGLEY (M.E.), engineer, inventor and technical author at Inland Steel's Indiana Harbor Works the last 15 years, has been appointed vice president of engineering for the Modular division, Inland Steel Urban Development Corporation, headquartered in Toledo, Ohio. He formerly was assistant superintendent of the hot mills in the Harbor Works engineering department, a position he assumed in recent months. Slagley's



new address is 1077 C Iron Gate Lane, Columbus, Ohio 43213.

'51

FRED W. GARRY (M.E.) has been named to head the Military Engine Division in General Electric's Aircraft Engine Group. Garry, who formerly headed the Aircraft



Engine Technical Division in the same group, is also a vice president and general manager at the Evendale, Ohio plant and has responsibility as spokesman for the General Electric Company in the Cincinnati area. Fred received an honorary Doctor of

Engineering Degree from Rose in 1968. Fred, his wife, Mary Elizabeth, and two children live at 6590 Tupelo Lane, Cincinnati, Ohio 45243.

'52

JOHN C. PIRTLE (M.E.) was recently appointed to the position of manager of Projects Engineering Operations, Aircraft Engines Technical Division for the General Electric Company in Evandale, Ohio. John had been manager of the Supersonic Transport Program. He has 14 years of experience in flight propulsion, eight of these spent in systems design and the remaining six spent with the supersonic engines. Residing at R.R. 1, Box 6, Loveland, Ohio 45140, John holds two patents for turbine-framed engines.

Winter, 1970-71



'25 Reunion



'30 Reunion



'35 Reunion



Ron Reeves '58 (right) outfits Rudy Sanders '67 with a derby as members of the Wabash Valley Rose Tech Club prepare for Homecoming. Others lending a hand were, left to right, Jack Fenoglio '59, Dick Brown '59 and Bob Newby '58.

PLEASE PARDON ERRORS

The Echoes would like to correct a most unfortunate error and an omission which occurred in recent alumni publications.

First, we would like to clarify the status of John A. Derry, '29. It was published in the Alumni Directory that Mr. Derry was deceased of 1969, when actually Mr. Derry continues as Director of Construction for the Atomic Energy Commission in Washington, D. C.

We send our apologies to Mr. Derry and pass along his address for the purpose of correcting the inexcusable error. His address is 5723 Ogden Road, Washington, D. C. 20016.

Second, in a matter of omission, Mr. and Mrs. O. W. Motz ('25) were not included on the President's Council list as they should have been. We regret this error in the Annual Giving section of the Fall Echoes and stand corrected.



'40 Reunion

'59

ROBERT E. MANNING (C.E.) has been transferred from Terre Haute to Sebree, Ky., and a position as field construction manager for the new \$100 million Anaconda Aluminum Company's Sebree Reduction Division plant there. The plant is in its initial construction phase now, with full operation scheduled within three years. Manning, who has been with Anaconda since 1963, formerly was shop and services superintendent at the Terre Haute division.

RICHARD L. BROWN (M.E.) has left J. I. Case Company in Terre Haute for a position as project engineer for Commercial Solvents Corporation. Brown, who had been with J. I. Case for three years, is president of the Wabash Valley Rose Tech Club and chairman for Homecoming.

'61

LARRY L. PITT (Ch.E.) was recently promoted to manager, Labeled Compounds for Mallinckrodt Chemical Works in St. Louis, Mo. In this capacity Larry will be responsible for Mallinckrodt's total business position in this field, which involves the production and sale of isotopic products for medical, biological and scientific research of all types. Larry earned his Master's at Washington University in January, 1970, and has held various engineering and management positions at Mallinckrodt since joining the company in 1964. He resides at 2033 Greenheath Drive, Florissant, Mo. 63033.

'62

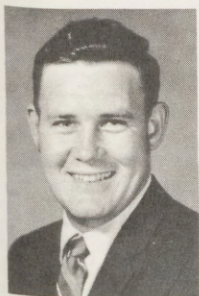
JERRY L. GREGG (Ch.E.), now a major in the United States Army after receiving his Master's in sanitary engineering from Washington University, has joined the Army Surgeon General's Directorate of Professional Service as sanitary engineer and safety consultant. Jerry went to Washington, D. C., from Brooke Medical Center at Fort Sam Houston, Tex., where he completed the Army Medical Department Officers' Advanced Course with honors. Major Gregg entered military service in 1963 and was an instructor until 1965, for which he was awarded the Army Commendation Medal. His other assignments have included the Army Environmental Hygiene Agency and a year in Thailand as Staff Sanitary Engineer with the 712th Preventive Medicine Unit. The Greggs now make their home in Bowie, Md.

Got a Class Note?
Send it to the Echoes

Rose Echoes Alumni Magazine

'63

DALE A. FRENCH (Ch.E.) has been promoted to foreman in the Silica Pigments unit at PPG Industries, Industrial Chemical Division in Lake Charles, La. French joined PPG in 1963 at the Barberton



(Ohio) Plant and soon after served in the United States Army for two years. After returning to PPG, he gained additional experience and was promoted to development engineer in 1968. Dale transferred to Lake Charles in March, 1969, as a senior process engineer, the position he occupied prior to receiving his new assignment.

'64

LARRY G. MORGAN (Chem.), presently a senior scientist in the position of a research chemist at Battelle-Northwest in Richland, Wash., is working toward his Master's degree in chemistry at Washington State University night school. At Battelle-Northwest Larry has been involved basically in work concerning absorption spectrophotometry, and he was co-author of a paper published in the Journal of Chemical Physics, July, 1969. The Morgans reside at 84 Newcomer, Richland, Wash. 99352.

'65

WILLIAM K. WATSON (M.E.) is working in the Mechanical Design Division of the Indianapolis Power and Light Company. Watson worked up through various positions in the Power Production Department before receiving the recent promotion.

He recently passed the state board examination as a registered professional engineer. He and his wife, Judith, reside at 238 Pleasant Run Parkway, East Drive, Indianapolis, Ind. 46225.

RONALD F. TURASKI (Chem.), international sales representative for the B. F. Goodrich Chemical Company, has been quite busy since his graduation from Rose. He completed his Master's in finance at Indiana University in 1967, and since, has traveled extensively promoting products. Ron's wife, Marian, is employed by the Navy Finance Center as a management analyst. The Turaskis reside at 12021 Edgewater Drive -- Apt. 102, Lakewood, Ohio, 44107.

'71 COMMENCEMENT
May 28, 1971

Winter, 1970-71



'55 Reunion



'60 Reunion



'65 Reunion

PETER B. CANALIA (M.E.) was one of 71 graduates of The John Marshall Law School recently sworn in as a member of the Illinois Bar at the admission ceremony in Springfield, Ill., November 16, 1970. A recipient of the certificate of achievement from the American Society of Mechanical Engineers and a member of the Blue Key National Honor Fraternity during his undergraduate days at Rose, Canalia is presently employed as a patent lawyer by the firm of Molinar, Allegretti, Newitt & Witcoff and resides at 2306 East Holiday Court, Lansing, Ill. 60438.

'66

JAMES A. UNDERWOOD (E.E.), engineer and news-weather commentator for Terre Haute television station WTWO-Channel 2, served as publicity chairman for the 1970 Wabash Valley United Fund campaign. Underwood, who worked in electrical engineering for a short time after his graduation from Rose, since has earned a master's in radio and television at Indiana State University. The Underwoods reside at 676 Delaware Avenue, Terre Haute, Ind. 47804.

HOMEcoming '71

Oct. 29-30

Mark Your Calendar Now

MICHAEL S. LANCET (Chem.), who is in his fourth year of graduate studies at Enrico Fermi Institute of the University of Chicago expects to complete his doctorate in March. A native of Terre Haute, Ind., Michael will receive his degree in nuclear and cosmo chemistry. Michael and his wife, Kumiko, presently live at 5110 S. Kenwood--Apt. 910, Chicago, Ill. 60615.

KENNETH E. RICH (Chem.) recently completed a Ph.D. in radiation biology at the University of Rochester (N.Y.) and was to have entered the United States Army as a second lieutenant in January. His assignment will be with the chemical corps. An up-to-date address was unavailable due to the pending Army call.

ROBERT K. SANDBERG (M.E.) has taken a position as utilities supervisor with the Vigo Plant of Chas. Pfizer & Company, Inc., in Terre Haute, Ind. Employed at the pharmaceutical plant since July, Sandberg formerly worked for the Visqueen Division of the Ethyl Corporation and the Columbian Enameling & Stamping Company, respectively. Sandberg and his wife, Patricia, and family reside at R.R. 32, Terre Haute.

'67

LEE A. PETERS (Chem.) is presently a combat engineer in the United States Army stationed in Vietnam. Previous to his current tour of duty, Lee had served in Thailand, working on the construction of a logistical complex, and at Fort Leonard Wood, Mo., as a company commander of a training company. After jungle school in the canal zone, Lee was moved to his present assignment in Southeast Asia. Upon completion of his service obligation in July, he plans to enroll in graduate school for a Master's in management.



DAUGHERTY TRADITION

Dr. John A. Logan (seated) and Prof. Herman A. Moench served as hosts for a dinner honoring Mr. and Mrs. Claude Daugherty. Rose men sons in attendance were Tom '66, Jess '68 and Walt '70.

When Walter Daugherty of Merom, Indiana, completed the requirements for a bachelor of science degree in mechanical engineering last quarter, he marked some sort of a milestone in the history of "Dear Old Rose."

For nearly a century a sheepskin from Rose has been a good measure of a man entering the engineering profession, but the real story of Walt Daugherty's "commencement" is the fact that he is the fifth son of Mr. and Mrs. Claude Daugherty, R.R. 1, Merom, to earn a B.S. degree from Rose.

The "Daugherty Brothers Story" (it is a legend in its own time at the Sigma Nu fraternity house) began in 1959 when Richard Daugherty ('63) matriculated to Rose to study mathematics, a discipline he learned to appreciate in his father's classroom at Sullivan (Ind.) High School.

Three years later the Daugherty twins -- Tom and Steve --

JAMES W. ENGLE (M.E.), who was commissioned upon completion of Officer Training School at Lackland Air Force Base, Tex., is presently a first lieutenant and C-130 Hercules navigator for the United States Air Force in Europe. Lt. Engle, originally from South Bend, Ind., has worked on such USAF projects as the Amman, Jordan airlift. He is stationed at the Mildenhall Royal Air Force Station in England. Mail may be directed to him at 610 Thirty-second Street, South Bend, Ind. 46615.

PATRIC M. DOWDY (C.E.) is now a production cost and construction engineer with the Hunter Corporation located in Gary, Ind. The Hunter Corporation is an industrial construction company with offices in Chicago, Hammond, Youngstown (Ohio), and Pittsburgh, concentrating its efforts on steel mills, chemical companies, and oil refineries. Pat was formerly a section supervisor with the Construction Equipment Division of International Harvester of Melrose Park, Ill. He currently resides at 7602 Taney, Merrillville, Ind. 46410.

JOHN T. BRAY (Chem.) recently completed his Master's degree in chemical oceanography at The John Hopkins University in Baltimore, Md., and is continuing work toward his doctorate at the same institution. Bray hopes to complete his doctorate by 1972. With his wife and two-year-old son, Jeffery, John resides at 4718 Hartford Road, Baltimore, Md. 21214.

JOHN F. GRAVES III (Chem.) has been promoted to an associate engineer for Westinghouse Electric Corporation in Baltimore. Assigned to the Defense and Space Center, he was transferred to his present position in early 1970. John and his wife, Annette, reside at 48 Chestnut Hill, Edgewater, Md. 21037.

'68

ROBERT L. VOGENTHALER (Chem.) is stationed at Fort Gordon, Ga., where he is a criminal investigation chemist for the United States Army. Vogenthaler, who was drafted while serving as manager of the analytical laboratory from the P&G Manufacturing plant in Iowa City, Iowa,

holds the rank of specialist 4th class. He and his wife Pat reside at 3122 Floyd Circle, Augusta, Ga., 30906. His immediate plans point to pursuing a Master's Degree upon completion of his military service.

RALPH O. WISCO (Chem.) is completing a tour of duty with the United States Army at Fort McClellan, Alabama. Ralph is a first lieutenant and serves as custodian for the Central Post Fund, an Army assignment which no doubt complements work undertaken in business administration at Jacksonville State University. He plans to complete the M.B.A. following his release from the Army.

HAROLD L. SCHROER (Ch. E.) is serving as a company commander with the 864th Engineering Battalion with the United States Army in the Republic of Vietnam. Promoted to First Lieutenant, he will complete his tour of duty shortly after the Asian tour. Mail may be directed to Lt. Schroer at 6305 North Glenwood, Chicago, Ill. 60626.

entered as freshmen at Rose, having been graduated in 1966 with degrees in civil and electrical engineering respectively. Younger brothers Jesse ('68) and Walt (Dec., 1970) subsequently kept up the Daugherty "tradition" in mechanical engineering.

While the Daugherty brothers pursued four different areas of engineering and science, they did agree on at least one thing at Rose -- Sigma Nu fraternity. Each was active in a number of offices and committees, etc., of the local chapter, the number of which is too lengthy to mention.

Walt and Jesse also participated in sports, having lettered two or more years as pole vaulters on the Engineers' track and field team. Parliamentary-type Tom was active in Student Government.

Richard, a sales engineer for General Electric Company in Boston area, and Steve, a second lieutenant in the U. S. Army in

Arizona, continued their education at Rose, and earned masters degrees in electrical engineering in 1966 and 1970 respectively.

Tom and Jesse have completed tours of duty in the military within recent weeks. Tom served with the U. S. Navy Seabees, while Jesse was an officer with the U. S. Army Corps of Engineers in Vietnam. The former is working as a civil engineer for the Indiana State Highway Department at Vincennes, while Jesse has begun work on a masters in business administration at Indiana State University.

Walt, who was commissioned as an Army second lieutenant upon graduation last week, will report to Fort Sill, Oklahoma, in the next few weeks to attend the field artillery officers' basic course. He then will be assigned in the active reserves. Young Daugherty prefers to serve two years of active duty, but recent military cutbacks and a surplus

of second lieutenants have dictated the reserve obligation instead.

Being the fifth son to graduate from Rose and the seventh of seven sons in one family to have earned college degrees is quite an honor, and Walt Daugherty is rightfully proud. But he modestly passes the credit to his parents.

"My parents deserve the credit," says Daugherty. "They've made it all possible."

Asked if he would like to start helping seven sons through college at today's prices (the total student cost at Rose is \$3,400 per year), Mr. Daugherty answered in a tone a man might employ when talking about a wise investment he made years ago.

"These last ten years have been the most exciting years of our lives," relates the proud father. "Sure it would be rough, but we managed once and we'd do it again somehow."

And the Daughertys would.

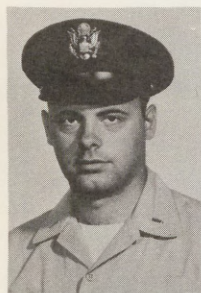
'69

ROGER G. EVANS (M.E.) has left Pratt B. Whitney Aircraft Company for a position as director of marketing operations with Development Dynamics International in Palm Beach, Fla. Headquartered in Palm Beach, Roger reports pleasure with his "dynamic new job." His current address is 901 Lake Shore Drive, Apartment 203, Lake Park, Fla. 33403.

JOHN J. QUINLAN (Ch.E.) has been commissioned as a second lieutenant in the United States Army Corps of Engineers. Upon graduation John went to work for Sinclair Koppers Company as a process engineer before entering the armed forces. His home address is R.R. 2 -- Box 274E, Farmersburg, Ind. 47850.

'70

CHARLES D. WOODARD (M.E.) has been commissioned a second lieutenant in the United States Air Force upon graduation from Officer Training School at Lackland Air Force Base, Texas. Woodard was selected for OTS through competitive examination and has been assigned to Laughlin AFB, Texas, for pilot training. He is a member of the Phi Gamma Delta Fraternity and the Alpha Phi Omega service organization. Woodard and his wife, Becky, are both from Speedway, Ind. Mail may be directed to Woodard through his parents at 1956 Clark Road, Speedway, Ind. 46224.



JON G. MOEHLMANN (Chem.), who worked during the summer as a chemist in the analytical laboratories of Marathon Oil Company's Robinson, Ill., refinery, is in graduate school at the University of Illinois. He is studying physical chemistry. The Moehlmanns' current address is 2011 Philo Road, Apartment 5, Urbana, Ill. 61801.

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RICHARD L. KILLION (M.E.) has been named an associate performance engineer in the fossil power generation department



at the Babcock & Wilcox Company's power generation division headquarters in Barberton, Ohio. Killion joined the company as an assistant engineer upon graduation. He and his wife, the former Ruth M. Blann, Oaktown, Ind., reside at 5907 Portage Street, North Canton, Ohio. 44720.

ROBERT L. BEECHER II (M.E.), who started work with Indiana Bell upon graduation and is involved in the Bell Telephone Laboratories' training program, is currently commuting between Indianapolis and Purdue University in Lafayette, Ind., as part of the program. Attending Purdue three days and working in the Bell laboratories two days a week, Beecher will be involved in the program for four semesters. Upon completion of the training program, he will work full time for Indiana Bell as a member of the Technical Staff. Beecher now resides at 135-16 Nimitz Drive, West Lafayette, Ind. 47907.

DAVID E. AMOLSCH (M.E.) has accepted a field engineering position with General Electric Company's Installation and Service Engineering Department, headquartered in Schenectady, N.Y. Employed by International Harvester prior to joining General Electric, Amolsch recently attended school at the Field Engineering Development Center prior to an assignment in Iowa. He and his wife, Margaret, reside at Willow Streams Mobile Estates, R.R. 1, Lot 2, Eldridge, Iowa 52748.

FRED CLAYTON (C.E.), a resident engineer for American Metals Climax Company, a division of Ayrshire Coal Company, has been transferred from Terre Haute to the company's larger operation near Sullivan. The Claytons have taken residence at 29 French Street, Sullivan, Ind. 47882.

In Memoriam

'08

HERBERT H. BOYD (C.E.), retired executive officer of the United States Navy Department of Bureau Yards and Docks, died Feb. 18, 1970 in Kansas City, Mo.

'16

RALPH A. STUART (M.E.), president of Stuart-Phillips Consulting Engineers of Terre Haute, died Nov. 27, 1970 in Terre Haute, following a brief illness. Long active in the Wabash Valley Rose Tech Club, he worked in consulting until recent months.

'17

RAYMOND S. DAVIS (M.E.), formerly plant manager of National Malleable & Steel Casting Company plants in Indianapolis and Phoenix, died Dec. 18 in Indianapolis. Associated with National Malleable for 45 years, he headed the Indianapolis operation for a number of years prior to 1951 when he moved to Phoenix and the managership he held until his retirement in 1962.

'18

LESLIE J. HEEDWOHL (Ch.E.) died Jan. 3 in Long Beach, Calif. Mr. Heedwohl was active in oil and mining in Southern California and Nevada during his career, and in more recent years was in the investment field in the Long Beach area.

E. EUGENE VAN BUREN (Ch.E.), formerly refinery manager for Ashland Oil and Refining Company, died Oct. 8, 1970 in Louisville where he made his home.

'25

MILTON E. FELDSTEIN (M.E.), director of reliability and assistant to the general manager of Delco Product Division, General Motors Corporation in Dayton, Ohio, died Dec. 28 in Dayton. He joined Dayton Engineering Laboratories Company, a forerunner of Delco, upon graduation and remained with the organization until his retirement in 1966.

'39

J. LAMONT FORSYTH (M.E.), president of Forsyth Steel Company, Canton, Ohio, died Jan. 1, 1971 in Canton, following a brief illness. Prior to entering private business, he was general manager of Indie Steels, Inc., a subsidiary of Industrial Forge & Steel Company.

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