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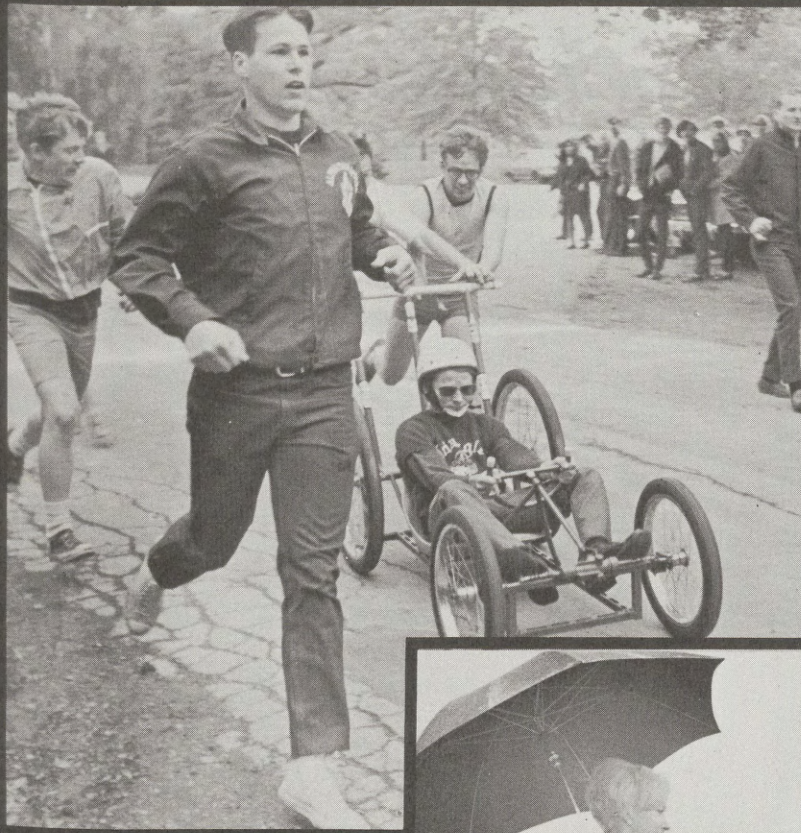
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ROSEECHOES

ALUMNI MAGAZINE

MAY, 1969



Commencement '69 — June 14

Alumni Magazine



May, 1969

Vol. IX, No. 3

Kent Harris
Editor

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The Cover

Greek Weekend is rapidly becoming one of the features of Spring as depicted by the pictures on the cover. Activities included a cart race, tug of war, pig wrestle and the Inter-Fraternity dance.

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Rose Polytechnic Alumni Association



Robert L. Royer, April '49
President

Executive Officers 1968-69

Robert L. Royer Apr. 49	President
Robert T. Mees '31	Vice President
Anthony G. Blake '31	Secretary-Treasurer

Chairmen of Operating Committees 1968-69

Homecoming	Jack D. Cox '64
Fund Raising	John T. Newlin Feb. '43
Student Recruitment	Owen H. Meharg '54
Rose Tech Clubs	Robert L. Royer Apr. '49
Awards and Recognition	Fred Bogardus '32
Continuing Education	Robert T. Mees '31

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



Across the Campus

'69 Class to Exceed 215 Men

Colleges and universities everywhere this year are graduating record numbers. Rose Polytechnic is no exception, and on June 14 will confer bachelor's degrees on 215 men—by 40 members the largest single graduating class in the history of the school.

Most other schools play up their record numbers . . . and stop there. Rose cannot. While the class of 1969 is nearly as large as the upperclass student body of a few years ago, it must be pointed out that next fall's "frosh alumni" have been an outstanding group since they arrived on campus as a

record class (310) four years ago.

At that time, the class of '69 rated first academically among all college freshman in a four-state area of Kentucky, Illinois, Indiana and Wisconsin. Academic ability has been underscored by the very low 35 per cent attrition and the \$10,000 plus average starting salary the class demanded from the nation's leading recruiters of science and engineering talent.

Competition for the Rose June graduate was fierce, with approximately 100 out of 390 recruiting corporations, U.S. agen-

cies and graduate schools fortunate enough to land a Rose man.

Mechanical engineering leads with the number of graduates in 1969 with approximately 85, followed by electrical engineering and chemical engineering with an anticipated 35 and 32 respectively. Twenty two will be graduated in civil engineering, followed by math with 18, chemistry with 11, physics with nine and biological engineering with one graduate. Four men were to be graduated with under the "undesigned" degree program for career preparation in fields such as business, medicine or law.

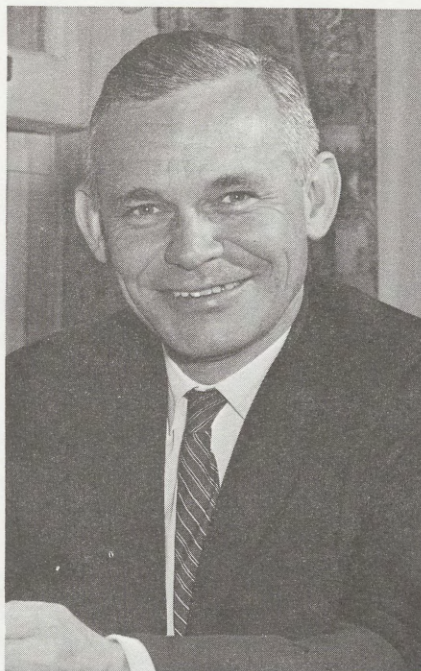
Rose Confers 4 Honorary Degrees at Commencement

Dr. Landrum Bolling, president of Earlham College, Richmond, Ind., will deliver the Commencement address to the record graduating class.

Dr. Bolling, who became the eighth president of the church related college in 1958, has divided most of his adult years between journalism, teaching political science and college administration. He served on the faculties of Brown University, Providence, R. I.; Beloit (Wis.) College and Earlham.

His journalistic experiences ranged from the editorship of a small town weekly newspaper to foreign correspondent. As a reporter, the 1933 University of Tennessee alumnus covered various assignments in Europe beginning in 1936. During World War II he was a war correspondent attached to Allied Force Headquarters in the Mediterranean.

He joined the Earlham faculty shortly after the war in 1948 where he taught political science until being named to the presidency. Founding chairman of the



DR. LANDRUM BOLLING
... Commencement Speaker

board of the Great Lakes Colleges Association, Dr. Bolling is a former chairman of the Protestant Colleges and Universities and active in various national accreditation and committees on higher education.

Leaders in the public utilities industry, railroads and engineering education have been selected to receive honorary doctor's degrees during the ninety-first Commencement exercises.

Selected to receive the highest award of the institute are George R. Armstrong, chairman of the board of Louisville Gas and Electric Company; John W. Barger, president of Missouri-Kansas-Texas Railroad Company; and Dr. Harold Gotaas, Dean of Technology at Northwestern University.

A native of Terre Haute and a 1921 graduate of Rose in chemical engineering, Armstrong is no stranger to the campus. He has long been active in the Louisville Rose Tech Club, and served as vice president of the Alumni Association in 1945 and 1962.

Armstrong, who retired as president of Louisville Gas and Electric on Nov. 1, 1963, hired in at the company in August of 1922 "in order to eat" until his regular job as a school teacher at Louisville Male High School opened in September. When school began, he switched over to night work at Louisville Gas and taught during the days.

"Back in those days, school let out at 2:30, giving me just enough time to get to my extra job by 3 p.m.," relates Armstrong, "I have often thought that I taught at Male for the fun of teaching and worked after school for enough money to pay my room and board."

The following year he dropped teaching and began devoting full



THE LAST MILE — This scene is typical of processional from the Main Building to Shook Memorial Fieldhouse for Commencement exercises at Rose Polytechnic.

G. R. Armstrong ('21) Cited

time to Louisville Gas and Electric. The forty-plus years with LG&E before his retirement kept him busy, day and night.

Armstrong's rise in the company and LG&E's growth were paralleled over the years. In 1929, he was appointed general superintendent of construction for LG&E, a position he held until he was named general superintendent and charge of operations and construction in 1939. He was elected a director in 1946, executive vice president in 1948 and president of the utility in 1957.

During Armstrong's years, gas production increased by 15 times and electric power produced was up by 35 times, making Louisville Gas and Electric one of the nation's 50 largest utilities with gross annual revenue of more than \$107,000,000 today.

Armstrong continues as a director and member of the Executive Committee of Ohio Valley Electric Corporation and Vice President of Indiana-Kentucky Electric Corporation. These two companies were formed and financed by 15 investor-owned electric utilities to build and operate two large electric generating plants of over 2,000,000 kilowatts to serve the Atomic Energy Commission's facility at Portsmouth, Ohio.

He is president and board member of East Central Nuclear Group of 15 investor-owned utilities formed to study the generation of electricity by atomic energy, and represents Louisville Gas and Electric Company as a director in another group of power firms in the research program in "magnetohydrodynamics", a new method of generating electric power which holds promise of achieving higher efficiencies than present methods.

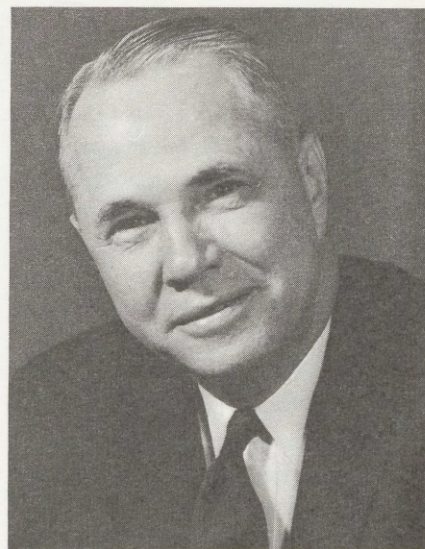
A few years back the inflexible regulations of the Pittsburgh & Lake Erie Railroad Company, part of the New York Central System, retired its then president, John W. Barriger, for the sin of having reached the age of 65 earlier that month.

But this outstanding figure in railroading was not about to retire, and it was no surprise when Barriger, who had headed one of the wealthiest railroads, became president of the Missouri-Kansas-Texas Railroad, one of the financially poorest railroads, some ten weeks later in early 1965.

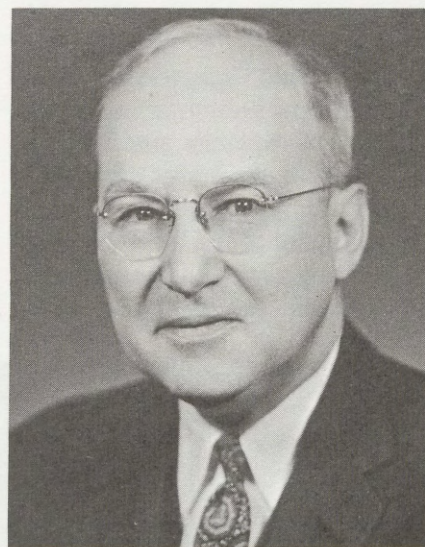
Barriger since has found it to be much more interesting to run a struggling railroad than a rich one. His tireless efforts to put KATY back on its feet have led to his being named "Transportation Man of the Year" in 1967 and Progressive Railroading magazine's "Railroading's Railroader" award in 1968.

After graduating from Massachusetts Institute of Technology in 1921, he immediately sought permanent employment in the railroad industry (he worked on the Pennsylvania Railroad during summer vacations from college) and he has been railroading ever since with the exception of railroad-related employment outside the industry. The principal interruptions were two years as a railroad security analyst with a large Wall Street brokerage firm and eight years as chief of the Railroad Division, Reconstruction Finance Corporation, Washington D. C.

Some of his top positions in railroading over the years have included reorganization manager and director and member of the executive committee of the Chicago and Eastern Illinois Railroad; associate director of the



GEORGE R. ARMSTRONG



JOHN W. BARRIGER



HAROLD B. GOTAAS

Student Center Becomes Administration Building

Division of Railway Transport, Office of Defense Transportation, Washington, D.C.; federal manager, TP&W Railway Company; director, Alton Railroad; vice president of Union Stock Yards and Transit Company; manager, Diesel Locomotive Division, Fairbanks, Morse & Company; president, Monon Railroad; vice president, New Haven Railroad; vice president, Rock Island Railroad; president, Pittsburgh and Lake Erie Railroad, and president, M-K-T Railroad.

Dr. Harold Gotaas is an internationally-known expert in the field of sanitary engineering as well as a leader in engineering education.

A graduate of the University of South Dakota in civil engineering in 1928, he holds master's

degrees in both civil and sanitary engineering. He completed his "second" masters in sanitary engineering at Harvard University in 1937 and the Doctor of Science degree in engineering from Harvard in 1942.

He has long been active in education and professional engineering, having taught at the University of South Dakota (1932-36), University of North Carolina (1937-42), University of California, Berkeley (1946-57) and at Northwestern from 1957 to the present time. While at Berkeley he served as chairman of the civil engineering division from 1948-53 and director of the Sanitary Engineering Laboratory from 1949 to 1957.

Since his move to Northwestern, Dr. Gotaas has been professor of civil engineering and dean of the Technological Institute. Two

years ago he was named to the distinguished chair as Walter P. Murphy Professor.

His professional engineering activities have included being a consultant to the World Health Organization since 1954, and membership on the Sanitary Engineering and Occupational Health Committee (1950-55) and the National Advisory Health Council (1956-60) of the U.S. Department of Health, Education and Welfare. He also served on the Engineering Panel of the National Science Foundation from 1960 through 1963.

Dr. Gotaas also is an active member of the National Academy of Engineering, a membership considered to be the highest honor which can be bestowed on an American engineer.

Another feature of Commencement will be the dedication of the Robert J. Templeton Administration Building, formerly the Student Center.

Renovation of the building which was constructed in 1954 and enlarged in 1962, was financed by a bequest to the school by Robert H. Templeton, a 1914 graduate of Rose.

Mr. Templeton, who served as an officer in the U.S. Army in both World War I and World War II and retired as a Lieutenant Colonel, went to Wyoming with the State Highway Department shortly after World War I and remained with the department until his retirement in 1955. He died in Wyoming in April, 1967.

The Templeton Administration Building was made ready for occupancy in early April. Offices in the new administration building include the offices of the President, Assistant to the President, Dean of the Faculty, Registrar



RENOVATION COMPLETED—The fireplace of the Old Student Center is the only portion of the interior which remained the same after workmen remodeled the building for use by a portion of the administration of Rose. The Robert J. Templeton Administration Building will be dedicated June 14.

Bloxsome and Reeves Assume New Duties at Rose

and four of the five offices in the Development Department.

Two key administration promotions were made simultaneously with the move to the new building.

John L. Bloxsome, currently in his fortieth year of service to Rose, was named Vice President and Special Assistant to the President. Bloxsome had been Vice President for Development since the inception of the development program in 1960.

Ronald G. Reeves, a 1958 Rose electrical engineering graduate, was named to succeed Bloxsome as Director of Development. Reeves joined the Rose administration on May 1, 1967, as assistant director of development following eight years of service with the Visqueen Division of Ethyl Corporation. He last served Ethyl as division engineering supervisor with responsibility for planning and design of facilities within the division.

Bloxsome, who served as chairman of the Department of Humanities and Social Sciences from 1929 to 1960, will represent the president at various functions in his new position. He also is responsible for the Board of Associates program, deferred giving and the national business and industry fund raising campaign.

Reeves assumed responsibility for five departments in his new position. Areas under his jurisdiction include Admissions, Placement, Alumni Affairs, Public Relations and fund raising programs.

As this academic year comes to a close, the administration and faculty are thinking in terms of next fall and the 375 freshmen and 1,000-plus student body at Rose. Both figures, of course, are records.

In May, the college stopped considering candidates for admission into the freshman class. Official word of the move—unprecedented in the recent history of the school—was to be made on or about June 1.

While the class is at least 30 members larger than Rose officials had projected last fall, the figure of 400 qualified candidates enrolled is doubly impressive inasmuch as Rose has increased its enrollment and maintained the high quality student body in the face of decreasing percentages of students entering engineering in colleges and universities across the nation over the last five years.

Rose has made an effort to admit all qualified candidates and will hire additional faculty to handle the large incoming class. With the new Alpha Tau Omega and Triangle fraternity houses on campus and another being purchased off campus by recently

colonized Phi Gamma Delta, housing is no problem.

In previous years Rose considered applications through the summer, but was forced to close admissions in view of the steady stream of applications arriving well into the last of May. Cancellations, meanwhile, were coming in at a slower than normal rate.

The quality of the freshman class is borne out by the 216 of 265 in-state boys who are winners of the Indiana State Scholarship Commission awards. Twenty incoming freshmen are National Merit Scholarship finalists, while eight others have been named winners of Army R.O.T.C. scholarships. One incoming freshman is the winner of the National Society of Professional Engineers' full scholarship which annually goes to the outstanding student in the nation planning to enroll in a chemical engineering curriculum.



PROMOTED BY ROSE—Ronald G. Reeves ('58), left, and John L. Bloxsome are shown on the patio of the Templeton Administration Building, formerly the Student Center. Bloxsome recently was named Vice President and Assistant to the President, while Reeves became Director of Development at Rose. Bloxsome has been Vice President for Development since 1960.

Rose Bucks Trend and Keeps Required R.O.T.C.

In a day and age when colleges and universities across the nation are dropping R.O.T.C. programs or stripping them to the point where they are meaningless, it is noteworthy that the Rose Polytechnic faculty has voted overwhelmingly that Army R.O.T.C. will continue to be required of all freshman and sophomores.

The vote terminated a four-year R.O.T.C. re-evaluation study conducted by the Rose faculty and students — a study which has resulted in many major improvements in the curriculum and at the same time has confirmed that R.O.T.C., under Rose academic concepts, continues to provide substantial contributions to the liberal education of students.

As a result of this study and research, new programs within the R.O.T.C. department have evolved. Emphasis has been shifted from "training" to "education." Also, a military staff with a high degree of academic competence and Army experience has been assembled to present the history of armed force, the problems of international relations, theories of human motivation and leadership, and the management of small Army elements.

A freshman studies war through a survey of world military history. This is a course which considers man from antiquity to the present, the societies which gave rise to armies and armed conflicts, and the results of these conflicts on the ensuing society. Emphasis is placed on the social, economic,

religious and political influences and the inter-relationships between society and its armed force.

A sophomore continues his R.O.T.C. program by studying the concept of power. International law, economics, trade and organizations related to the national objectives are taken into account during this phase of the program which the student devotes one-third of his time to research in special interests.

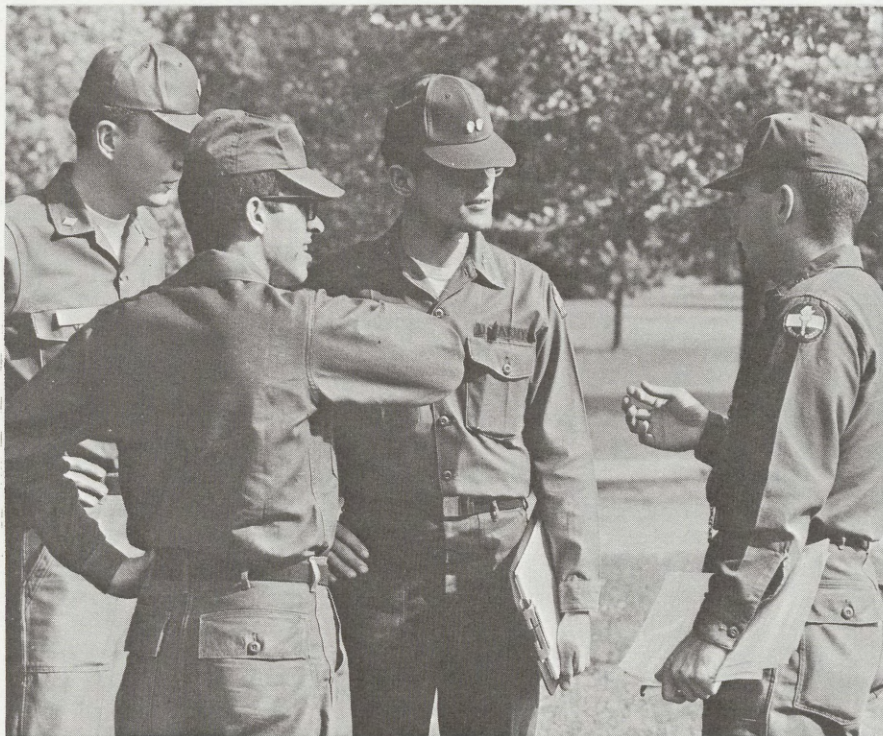
The junior and senior years of R.O.T.C. are voluntary and lead to a commission as an officer in the U.S. Army. Juniors study motivation theory and leadership, while seniors study the problems of management of small army units.

R.O.T.C. has been a continuous program at Rose since 1919, during which time more than 1,000 men (or more than one-fourth of the graduates) have been commissioned as officers upon graduation. Like all academic programs, the R.O.T.C. curriculum will be subject to continuing review.

More than 600 men from Rose and Indiana State currently are participating in the R.O.T.C. program on the Rose campus.

Thirty-three will receive commissions as Second Lieutenants in the U. S. Army prior to Commencement exercises. This marks an increase of eight men who received commissions at commencement last year.

The Rose R.O.T.C. unit earlier commissioned two men from Indiana State, which now has an enrollment of in excess of 6,000 men.



COMMAND DECISIONS—Company commanders of the Rose Polytechnic R.O.T.C. unit confer with Cadet Col. John R. Grauel (back to camera) during a drill period this spring. R.O.T.C., which has disappeared from many college campuses during the last year, will continue to be required of all freshmen and sophomores at Rose as the result of an overwhelming vote by the faculty.

Business, Education Leader Rose Medal Winner

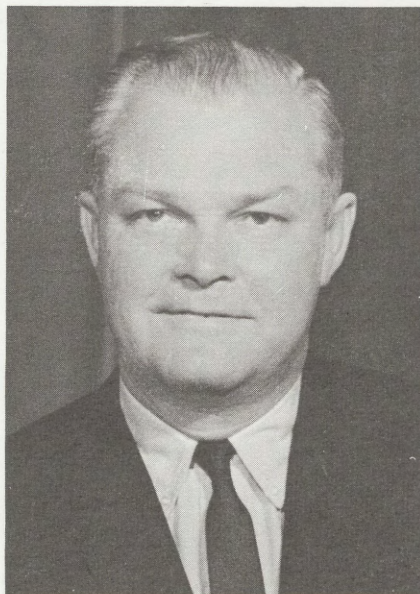
O. C. Carmichael, Jr., chairman of the board of Associates Investment Company and its subsidiary corporations of South Bend, is the recipient of the annual Chauncey Rose Medal for "significant contributions to the American society through the medium of free enterprise."

Presented annually in conjunction with the Oscar C. Schmidt Memorial Lecture (May 27), the award is given to a person in business who has contributed substantially to the free enterprise system. Maynard C. Wheeler, retired chairman of the board of Commercial Solvents Corporation, received the first Rose medal last year.

Dr. Carmichael, featured speaker for the annual Schmidt Lecture on free enterprise, is a leader in business, law and higher education.

Born in Birmingham, Ala., he earned an A.B. degree from Vanderbilt University in 1940 and an LL.B. degree from Duke University in 1942. After three years as a commanding officer of small light war craft in the Aleutian Islands and the Western Pacific theatres from 1942 to 1945, he joined Associates in 1946 as assistant general counsel.

In 1949, he began advanced work at Columbia University where he earned his M.A. in 1951 and his Ph.D. in public law and



Dr. O. C. CARMICHAEL, JR.

The following year Dr. Carmichael was elected president of Converse College, Spartanburg, S.C., a position he held until his election as chairman of the board of Associates in 1960.

Dr. Carmichael has continued his association with higher education since his return to business. In addition to serving on the board of Associates and its many subsidiary companies and Gulf and Western Industries, Dr. Carmichael is a trustee of the University of Notre Dame, St. Mary's College, Vanderbilt University and is chairman of the board of Converse College.

government in 1953. Dr. Carmichael served as dean of students at Vanderbilt from 1952 to 1955 when the university commissioned him to do a survey for the purpose of devising a plan for a development program. The result of his survey was the inauguration of the Vanderbilt University Foundation, of which he became executive director.

How Goes Mail?

Attention Rose Tech Presidents:

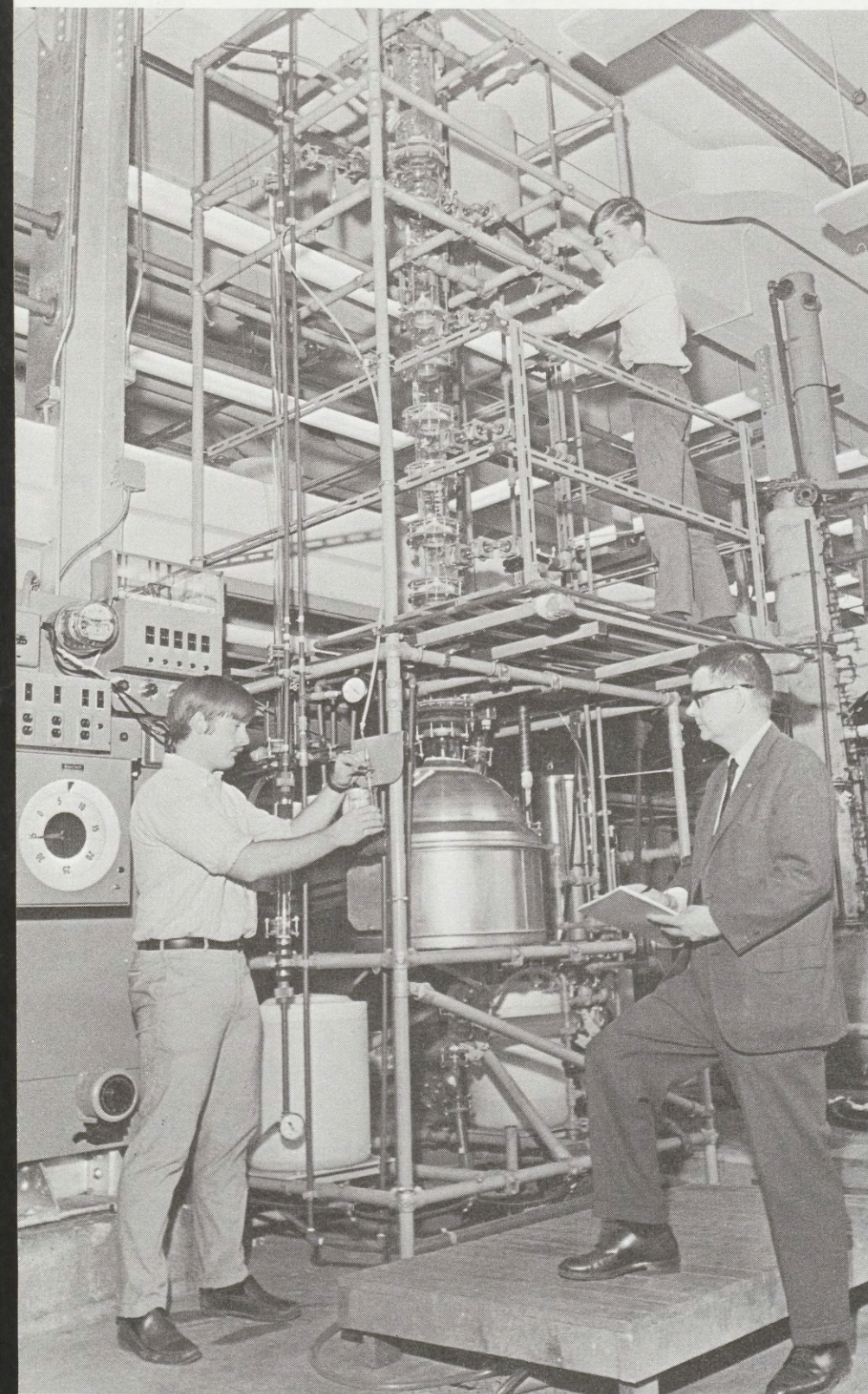
Please drop the Echoes a line with the date you received the alumni magazine in your particular area. We want to check the time required by the mail in order to better time our dates of mailing with major events at Rose.

OCEANOGRAPHY AT ROSE? —
Rose students make "oceanographic" studies on Tony Hulman's Horseshoe Lake north of the campus as part of the requirements for an elective course in oceanography offered by the Physics Department this spring. Students built a test vessel and conducted a series of tests similar to those employed by oceanographers.

May, 1969



'Chem E' Enrollment Doubles



Chemical engineering has been a part of Rose Polytechnic since the first decade of the institute. As early as 1889, the school was offering "chemical engineering" under the label of industrial chemistry. Five years later, in 1894, Rose made "Chem E" a matter of record by granting its first degree in chemical engineering.

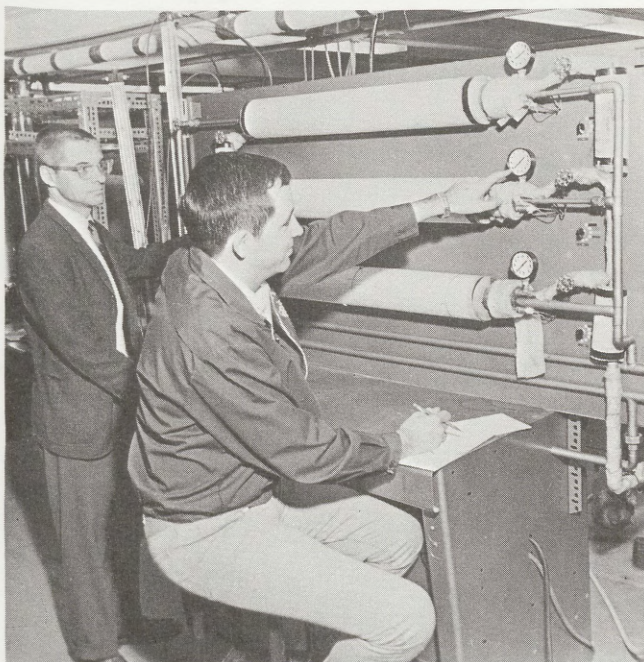
It is debatable whether Rose actually was the first to teach chemical engineering, but in checking with older engineering schools, Worcester Polytechnic and Rensselaer Polytechnic, it appears that Rose may have beaten the others by as many as five years. Worcester's first chemical engineering dates to "sometime around the turn of the century" while Rensselaer records show it granted its first chemical engineering degree in 1915.

So Rose got into the act first... what is the institute doing in chemical engineering today? What about the future?

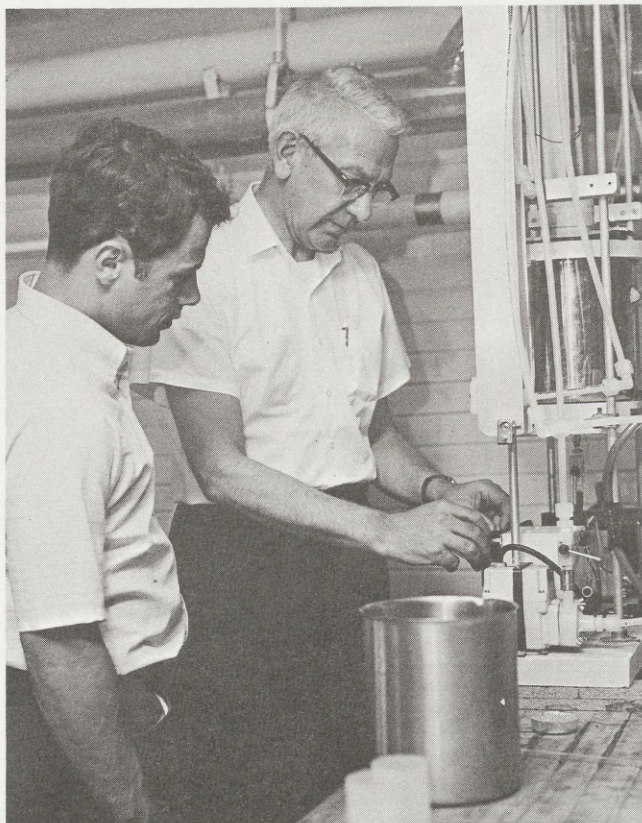
Chemical engineering is on the move at Rose. During the last four years the number enrolled in the department has doubled, giving Rose 32 chemical engineering graduates in 1969 — or just over one per cent of all chemical engineering (B.S.) graduates in the nation.

Dr. Sam C. Hite, who left a chairmanship at the University of Kentucky to become head of the department here three years

'NIFTY STILL'—Dr. Sam C. Hite, chairman of the chemical engineering department, instructs senior Jack Mehok, Gary, during a laboratory period involving work with the Corning Glass distillation column. Senior David Hill, Whiting, perched on the platform, gives one an idea of the height of the column.



Chemical engineering faculty members Warren Bowden, left, and Tony Blake ('31), right, were photographed while working with students in the laboratory. Although enrollment has doubled within the department, the "individual approach" continues in chemical engineering.



ago, projects that the department will produce approximately 30 graduates annually for the next few years, but hastens to add that Rose "will continue its individual approach to teaching chemical engineering."

The department has added one member to its faculty and the curriculum has been revised considerably in recent years to include new fields in computer utilization, instrumentation and process control. Begun as an elective, the computer utilization portion of the program has been made a requirement. The new curriculum, like the old, stresses the fundamentals to practice in the field of chemical engineering.

Rose continues to keep its chemical engineering offering flexible for individual needs of the student. By proper use of one set of electives, the college attempts to prepare a student for immediate entry into the chemical process industries in the general

areas of employment (1) supervision; (2) technical management; or (3) technical sales and service.

Concentration in the other group of electives is aimed at preparing the student for graduate school or a position concerned with research, design or development.


Growth in the physical plant of chemical engineering has paralleled the marked rise in the number of students in the department. Over the last three years \$25,000 in equipment has been installed in the laboratories which now have a value of more than \$100,000. Another \$20,000 will be spent within the next year to purchase equipment for the instrumentation and process control laboratory phase of the program.

The chemical engineering faculty is comprised of Dr. Hite, a 25-year teaching veteran with experience at Purdue University, Kentucky and Rose; Professor

Anthony G. "Tony" Blake, a 1931 Rose alumnus who returned to the campus after more than 20 years in industry with Commercial Solvents Corporation and E. I. Dupont; Dr. Warren W. Bowden, formerly with Commercial Solvents; and Dr. Noel E. Moore who joined the staff last fall. Dr. Moore has industrial experience with Standard Oil (Ohio) and Procter and Gamble and formerly taught at Purdue and Kentucky.

Their experience in engineering and education (Blake was a plant engineer, production supervisor and general manager of a corporation and the others have been process engineers and consultants) coupled with the desire to be "on top of things" in chemical engineering has the department on the move at Rose.

The nearly 500 chemical engineering alumni can be proud of the Rose "approach" to "Chem E" today.



Parents' Day '69

It wasn't listed on the program, but relaxing amidst the Spring splendor of the Rose campus was the theme of Parents' Day May 3-4. Approximately 430 parents and friends of Rose students attended the program which included a keynote address by President Logan, R.O.T.C. honor ceremonies, an outdoor band concert and a buffet luncheon.





PARENTS' CLUB OFFICERS—Bert Lammey, left, and Mrs. Benton Marrs were elected president and secretary-treasurer of the Rose Parents' Club. Shown with the new officers are Dr. John A. Logan and outgoing president Robert Harker, right.



'Rose Team' Scores in Tanks



THE RACE IS ON—Thomas L. Reese, president of Universal Tank and Iron, kneeling, confers with '58 classmate E. Crone Knoy at the Speedway, Ind., site of a one-million gallon tank the company hopes to complete before hundreds of thousands converge on the Indianapolis Speedway for the famed '500' auto race on Memorial Day. The huge elevated tank is located across the street from the Speedway.

You no doubt have noticed the number of large elevated water tanks—many of them striking spheroid-shaped structures—springing up these days.

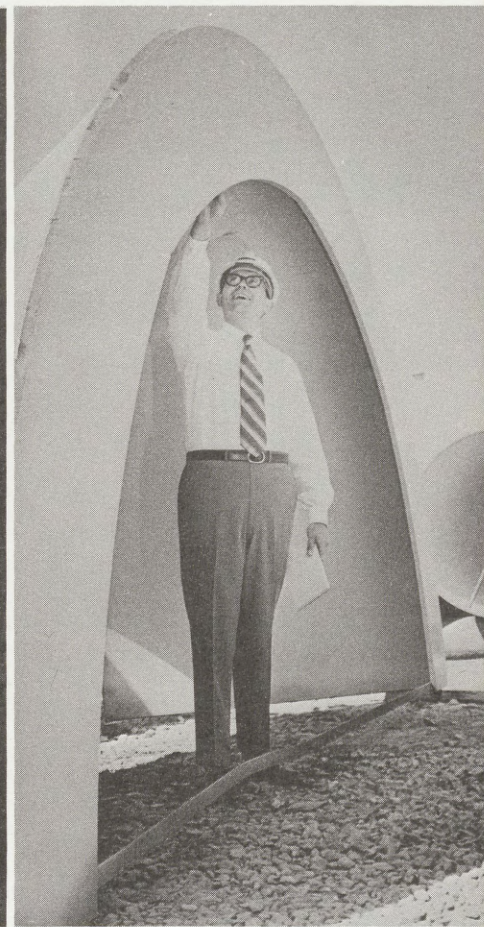
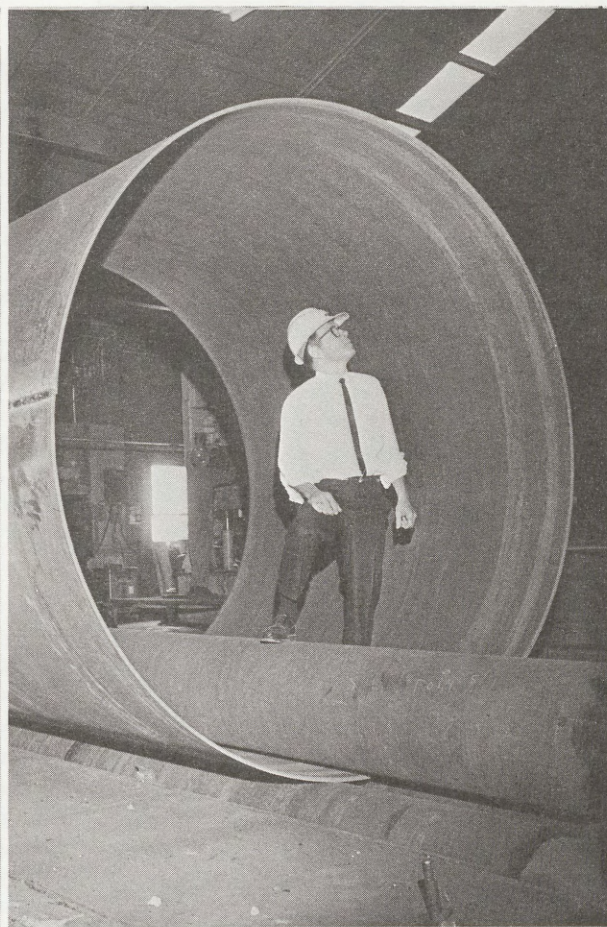
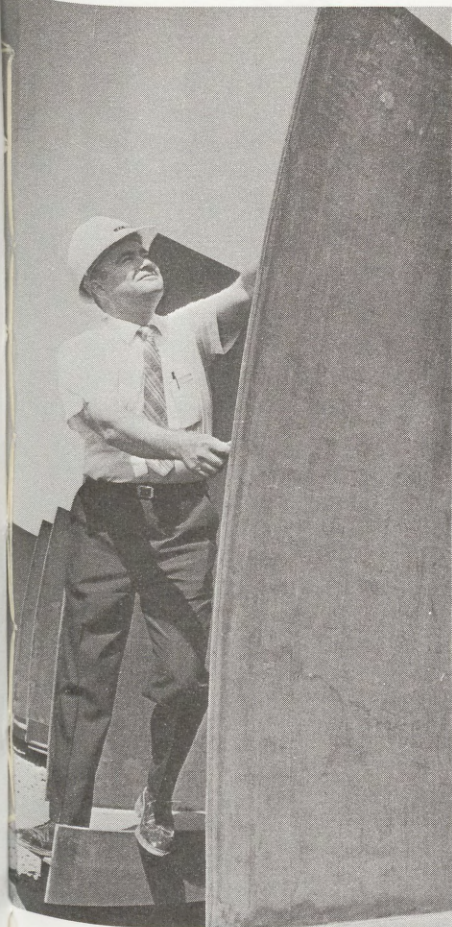
There is a good possibility that many of these tanks were built and erected by Universal Tank and Iron Works, Inc., of Indianapolis, and that four Rose Polytechnic graduates played a major role in putting them there.

The four men in mention are Thomas L. Reese (C.E., '58) a founder and president of the company; E. Crone Knoy (M.E., '58) and Howard K. Pedigo (C.E., '53), both vice presidents, and Ernie W. Boodt (C.E., '58), chief engineer.

Founded in 1960 by Reese and his father, H. L. Reese, a veteran elevated tank installer and painting contractor, Universal is the fastest growing company of its kind in the nation. Its dramatic growth can be traced from a \$30,000 initial investment less than a decade ago to the \$7 million figure placed on total contracts and work on hand today.

While the growth of the company and its ability to do all phases of tank work—design, fabrication and erection—is impressive, it is the association with Rose, especially the class of 1958, and Universal's success at "bucking the trend of specialists" that is of particular interest to The Echoes.

The company as it is known today evolved from a construction business launched by the elder Reese in 1938. Founded as a paint contracting business which specialized in water tanks, the company gained construction experience by dismantling huge tanks and reassembling them at other sites.



Howard Pedigo, Ernie Boodt and Tom Reese, l to r, check progress of tank at Indianapolis plant.

In more recent years the Reese firm erected new tanks of major manufacturers, spurring the younger Reese to the challenge: Design and fabricate our own tanks and thus eliminate the middle man.

Thus, upon completion of his master's degree in business administration and fulfillment of a hitch with the U. S. Army Corps of Engineers, Reese jumped into the tank manufacturing business. Knoy, who like Reese and Pedigo earned M.B.A. degrees, was the first to join Universal. He got in on the ground floor in 1960—before the concrete was poured!

"It was a big gamble," says Knoy, "But I figured I was only gambling a couple of years."

The gamble paid off and today Knoy is vice president of Operations. He is in charge of all pro-

duction construction and contract administration and has responsibility for all outside crews from the time they sink the foundation until the tank is erected and all contractual work is completed.

The pulse of such a position is tremendous. At times Crone is watching the daily (sometimes hourly) progress and movement of men and materials for ten construction sites—more often than not in three or more states.

Pedigo left TRW in Cleveland to join Universal in 1964 after 11 years with large corporations.

"I wanted to get out of the big city," says Pedigo, "I kept going into progressively larger companies and larger metropolitan areas. It wasn't for me."

After serving in the U. S. Army Corps of Engineers, he worked for Bendix Corporation in South

Bend until 1961—most of this time in landing gear design. He moved to Wright Field for two years before taking a leave of absence to complete the M.B.A. at Ohio State.

Pedigo went with Universal for "a broader job with more diverse opportunities and responsibility." As vice president of Production, he gets exactly that in this "in-house operation." Reporting to Pedigo are engineering, manufacturing, transportation, maintenance and purchasing departments of the company which employs 85 persons.

Boodt left a design position with a large corporation to join Universal as chief engineer in May, 1968. Like Knoy and Pedigo, he sought variety in his work.

(continued on page 17)

Class Notes

'12

JERRY H. SERVICE (E.E.), class agent for the class of 1912, has returned to his home in Harbor Springs, Mich., for the summer. He spent the Winter in Eugene, Oregon.

'15

ED. J. HEGARTY (E.E.), nationally known sales consultant and author, has been named "Marketing Man of the Year" by the Marketing Club of North Central Ohio for his outstanding contributions to the marketing profession. Author of 22 books of salesmanship and public speaking, Hegarty retired as sales training director for the appliance division of Westinghouse in 1956.

'21

CARL SCHROEDER (E.E.) has taken permanent residence in Orlando, Fla. Schroeder reports that he has been in retirement from Bendix Corporation in South Bend for six years, but continues to devote a portion of his time as a private stock broker. His current address is 650 North Orange Street, Orlando, Fla. 42801.

'27

C. LEE AKERS (E.E.), operating superintendent for the Northern Indiana Public Service Company's Wabash installation at Peru, retired Jan. 1, marking 41 years with the utility. He joined NIPSCO following his graduation in 1927 and was transferred from Hammond to Monticello in 1933. In 1935, he was appointed gas superintendent, a position held until being promoted to operating superintendent, in 1963.

'28

ALFRED L. KASAMEYER (M.E.) was recognized recently for 40 years of service to The Detroit Edison Company. Kasameyer, director of the Properties and Rights of Way Department of the giant utility, joined Detroit Edison in 1928 following a brief stint with the Dayfan Engineering Company in Dayton, Ohio.

'29

DR. ABE SILVERSTEIN (M.E.), Director of the NASA-Lewis Research Center, Cleveland, has been named Engineer of the Year by the Cleveland Society of Professional Engineers. Silverstein was cited for "charismatic leadership in science, education and engineering" and especially hailed by engineers for the plans he developed for a proposed jetport for Cleveland.

'34

GENE A. ZWERNER (M.E.) has been appointed Regional Coordinator for the Northeast Region of the United States by the Link-Belt Division, Products Group of FMC with headquarters in Philadelphia, Pa. Zwerner joined Link-Belt in 1946 after 12 years in government service with the Soil Conservation Service, War Production Board and the U.S. Navy. He has served Link-Belt in Moline, Ill., and Detroit, District Offices and also as Sales Manager of Link-Belt Africa Ltd., Johannesburg, South Africa. He formerly was District Manager of Link-Belt Washington, D.C., Albany, N.Y., Baltimore and Detroit offices.

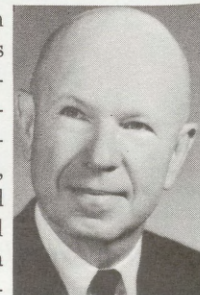


'35

WAYNE G. SIEGELIN (E.E.), manager of power and systems operations of the Center Power and Light Company, Corpus Christi, Tex., has been elected vice president of the utility. Siegelin has been with CPL for 11 years and previously held a variety of engineering positions with the Bureau of Reclamation and the International Boundary and Water Commission. He was chief power engineer for the bureau in Denver from 1945 to 1954, and was project manager at Falcon Dam for the IBWC before joining Central Power in 1958.

'39

ROBERT S. KAHN (Ch.E.) is President and Chief Executive Officer of a Pittsburgh group which has acquired the Pittsburgh firm, Keystone Metal Company of Cleveland, Ohio. Cleveland Electro Metals will be operated as a wholly owned subsidiary of Keystone Metal, with headquarters for the newly formed company remaining in Pittsburgh. Both companies produce special grades and shapes of deoxidizing aluminum for steel mills and foundries.



'43

DR. VINTON B. HAAS (E.E., Oct. '43) has been appointed head of the Department of Electrical Engineering in the School of Engineering at the University of Connecticut. Dr. Haas went to the U. of Connecticut in 1950 after earning his master's degree from M.I.T. in 1949. He served as assistant professor in 1953. Upon receiving his Doctor of Science degree from M.I.T. in 1956, he returned to Connecticut. Dr. Haas' field of specialization is optimal control systems. He has a large number of publications in this field and holds two patents involving three phase inverters and static inverters.

'43

WILLIAM R. KNIPTASH (Ch.E., Oct. '43), vice president and general manager of American Precast Concrete Inc., Indianapolis, has been elected president of the Prestressed Concrete Producers of Indiana. Knip-tash, who has been with American Precast since its inception in 1963, joined Ready Mixed Concrete Co., also a subsidiary of Jefferson Corporation, in 1946 following three years service in the U.S. Navy as a lieutenant junior grade.

'48

ALFRED A. YEE (C.E., Oct. '48) was named 1969 Engineer of the Year at the annual Hawaii Engineers' Banquet. Yee, president of Alfred A. Yee & Associates, Inc., was cited for designing and supervising the construction of the world's first prestressed concrete ocean-going tug and numerous engineering projects in the Honolulu area. Yee also was one of two new directors of the First Hawaiian Bank named earlier this year.



OUTSTANDING ENGINEERING EDUCATOR—Prof. Herman A. Moench ('29), Vice President for Academic Affairs at Rose, receives the Western Electric Fund Award for "excellence in teaching engineering students" during the annual meeting of the Illinois-Indiana Section of the American Society for Engineering Education on the Rose campus in April. Dr. Eivind Ramberg (right), vice president of the ASEE's Sections East, presents the award and a \$500 check to Prof. Moench, currently in his thirty-ninth year at Rose.

Barnes to Head Ultra-high Voltage Transmission Research

HOWARD C. BARNES (E.E., '34), vice president of engineering for the American Electric Power Service Corporation, New York, has been named to head a joint research program of the American Electric Power System and ASEA of Sweden to determine the technical and economic feasibility of a-c transmission at one-million volts and above. The study also would seek to develop the new generation equipment that will be required to make such ultra-high voltage a reality.

With a major portion of the research to take place under AEP supervision at Ohio Brass Company's new Black Research Center at Wadsworth, Ohio, the multi-stage project will span a period of eight to 10 years and will represent an investment of more than \$8 million by the participating companies.

First stage of the study is to obtain fundamental knowledge of the nature of ultra-high voltages which will be essential in developing major equipment items and in the design of transmission systems, lines and substations to operate at UHV levels.

This stage, expected to last two years, will be highlighted by studies delving into the insulation capabilities of air and solid and liquid materials, such as transformer and reactor insulation. Other first-stage studies will include: power system configuration; the control of over-voltages; corona effects; design principles for equipment crucial to UHV transmission; and new methods for measurement, sensing and control in UHV systems.

Later stages would include the design and erection of an equipment

test station on the AEP System at Lakeville, Ind., near South Bend, and a transmission test line at the Ohio Brass research center. The Lakeville station would include high-power, high-voltage ASEA transformers fed from AEP's existing transmission network, enabling tests to be conducted at system voltages up to 2,265,000 volts.

Both companies have a long history for pioneering in high voltage transmissions systems. In 1953, American Electric was the first utility to employ 345,000-volt transmission. ASEA has marked similar accomplishments in Europe.

A month ago American Electric became the first to utilize 765,000 volts — a figure which will soon be obsolete with ever growing demands for electric power.

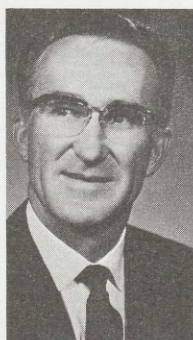
'48

JOSEPH T. NEILL (E.E., March, '48) has been named general operations manager in the General Parts Division of Ford Motor Company with responsibility for plants at Owosso and Saline, Mich.; Fostoria and Sandusky, Ohio, and Shreveport, La. Neill joined the Ford Engineering Staff in 1950 and was appointed an executive engineer for the General Parts Division in 1962. He became manager of the Saline plant in August, 1965, and chief engineer for the division in March, 1968. He resides at 969 Claremont Avenue, Dearborn, Mich., with his wife and four children.



'49

MALCOLM R. MEURER (C.E., July '49) of Meurer, Serafini and Meurer, Inc., consulting engineers of Denver, Colo., has been elected secretary - treasurer of the Consulting Engineers Council of the United States, the national organization of engineers in private practice. He was installed for a two-year term at the CEC's annual convention in Las Vegas May 12-15. One of three original principals of his firm which was organized in 1955. Meurer was chairman for the National Budget and Finance Committee of CEC in 1965-66 and also has served as state alternate director at the CEC annual meeting.



CYRUS W. COX (E.E., July '49) has co-authored an electrical engineering textbook while serving on the faculty of South Dakota School of Mines and Technology. Entitled "Circuits, Signals and Networks," the book offers a comprehensive source of fundamentals of engineering analysis for undergraduate studies, according to the publishers. Prof. Cox, who holds the rank of full professor, has been on the faculty of the South Dakota school since completion of his master's in electrical engineering at Purdue in 1951.

R. L. TRIMBLE (E.E., Nov., '49) has been appointed Operations Manager, Eastern Hemisphere Division, Production International of Marathon Oil Company. The appointment became effective Feb. 1. Trimble, who joined the Ohio Oil Company as a petroleum engineer upon graduation, last served as Advanced Senior Petroleum Engineer of the Eastern Hemisphere Division.

5 Alums Named to '69 'Outstanding Young Men of America'

Five Rose graduates have been selected by a 16-man national board of editors for inclusion in the 1969 edition of "Outstanding Young Men of America."

Named to the list of men between the ages of 21 and 35 who "have distinguished themselves in one or more fields of endeavor to the point of being outstanding" were Dr. Ralph A. Llewellyn, a 1955 alumnus and chairman of the Department of Physics at Rose Polytechnic; Dr. Richard K. Irely and Charles F. Kleptz, both mechanical engineering graduates in 1958; and Dr. Jerome E. Hahn and Dr. Richard L. Mills, both electrical engineering graduates in 1962.

Dr. Llewellyn has been on the faculty at Rose since completion of his Ph.D. in physics at Purdue University in 1961. Promoted to associate professor in 1964 and to full professor in 1968, Dr. Llewellyn was named department chairman Jan. 1, 1969.

Active in research, Dr. Llewellyn has received considerable recognition

for his work with the Mossbauer Effect. In addition to teaching and research, he has served as Director of Graduate Studies at Rose for three years, and currently is completing a one-year Academic Administration Internship Program through the American Council of Education.

A native of Terre Haute, Kleptz is vice president of Ponderosa Steak House, Kentucky Steaks and Louisville Steaks, a restaurant chain which operates steak houses in eight states. Expansion of the system is expected to nearly double before 1970, with the operation of 100 steak houses in 10 states.

Prior to entering the restaurant franchise business in 1965, the 1958 mechanical engineering graduate owned and directed the Kokomo-based Kleptz Engineering Company for five years. The engineering firm, which is still in existence, specializes in architectural design and engineering in commercial buildings.

Dr. Irely, who served with the U. S. Army Engineers from late 1958 until 1960 completed his master's in mechanical engineering at Purdue University in 1962. Following completion of the Ph.D. at Purdue in 1964 he joined the faculty at the University of Florida where he has received recognition in the area of heat transfer.

Dr. Mills, assistant dean of Whittemore School, University of New Hampshire, received his M.S. and Ph.D. degrees in economics at Indiana University following his graduation from Rose as an electrical engineer in 1962. He was named assistant dean July 1, 1968.

Dr. Hahn, an engineer with the senior staff of the Applied Physics Laboratory of Johns Hopkins University, earned his M.S. at Purdue in 1964 and completed his Ph.D. at the University of Denver in 1967. He joined Johns Hopkins upon completion of the Ph.D.

'54

Lt. Cmdr. RONALD E. SMITH (Ch. E.) has been presented the Navy Achievement Medal for his "meritorious achievement while serving with the Staff, Commander Patrol Force Seventh Fleet as Anti-Submarine Warfare Officer from December, 1965 to August, 1968. The medal presentation was made at the U. S. Naval War College, Newport, R. I., the Navy's highest graduate-level educational institution. Lt. Cmdr. Smith is one of 152 specially selected U.S. Military officers currently attending a 10-month resident course in the School of Naval Command and Staff. The course is designed to prepare him for higher command and future positions of greater responsibility.

ROBERT STEINHAUSER (M.E.) is completing his Ph.D. in mechanical engineering at the University of Wisconsin. Prof. Steinhauser, promoted from assistant professor to associate professor of mechanical engineering by action of the board of managers in February, will return to Rose this fall upon completion of the degree. Steinhauser has specialized in combustion in his graduate work.



WABASH VALLEY OFFICERS—Jack D. Cox ('64), left, accepts the duties as president of the Wabash Valley Rose Tech club from outgoing president Robert E. Newby ('58). Cox and Newby are joined by Dale Oexmann ('62), secretary-treasurer, and Terrence Barton, right, director of Alumni Affairs at Rose.

More About . . .

'Rose Team' Scores in Tanks

(continued from page 13)

"It wasn't uncommon to work two years on a single job," relates Boodt, "Here the lead time is much shorter . . . often 120 days from conception to the final inspection."

Thumbing through a notebook, he said: "I've probably had 100 projects since I've been here.

"There're a lot of advantages to working for a small company . . . and you don't have to check with a line of command 35 feet long!"

Ernie currently is working on standardization of tanks, especially the popular spheroid structures. With increased use of the computer for much of the analysis in design and engineering it is hoped that Universal can stay in the forefront of the industry which numbers six or seven highly competitive firms in the nation.

Another Rose man, Robert Hicks (X-58) is working in the computer

area in addition to his duties as assistant comptroller. Hicks, who joined the company in 1964, currently is completing a business administration degree at Indiana University.

When one looks at a map of Indiana and the impressive number of color-keyed Universal tanks constructed in the state within the last eight years, he invariably comes up with the question: What is the future of the business?

Tom Reese has the answer. He states that without a population increase there will be ample work in the water storage field until the year 2,000. Population shifts, pollution control and advancements in water treatment and reuse of water will open many avenues to the company which stays abreast of the situation.

Universal, with its dynamic Rose leadership, is this type of company.

'55

JERRY L. HEBB (M.E.) has been appointed manager of personnel safety and environmental control for Mound Laboratory, Miamisburg, Ohio. Mound Laboratory is operated by Monsanto Research Corporation for the U.S. Atomic Energy Commission. Hebb, who began his career with Monsanto in 1956, will be responsible for industrial safety, medical safety, health physics and nuclear criticality. He has been supervisor-project planning and scheduling in the Central Engineering Department since 1967.

Homecoming '69

October 17-18
Mark your calendar

'56

JOHN R. RHODEHAMEL (Ch. E.) currently is participating in a long-term, full time training and study in an engineer and science exchange program with West Germany. Selected for the program by the Air Force Systems Command, Rhodehamel is working on the application of advanced composites to load and design in critical areas of aero and space vehicles at one of the institutes in Germany. This work is similar to that which he was engaged at Wright-Patterson Air Force Base.

'57

JAMES L. GRIFFITH (E.E.), manager of the Metals Industry Department of Industrial Nucleonics Corporation, has been given responsibility for the total marketing program for the metals industry. Griffith joined the Columbus, Ohio, based firm as a metals application engineer in 1964 and was promoted to manager in 1967, a position which was responsible for the planning and sales support effort in the Metals Industry Department. In addition to these functions, Griffith now is in charge of the systems engineering activity in the metals industry.



J. K. DYER (Cn.E.) has been transferred from process development with Proctor and Gamble to the Folger Coffee Company subsidiary to work in factory service. Dyer has been with Proctor and Gamble since graduation. His current address is: 8932 Robinson Drive, Overland Park, Kan. 66212.

'59

LARRY R. WILSON (M.E.) has been promoted to Supervisor of Sales Training for Caterpillar Tractor Company at Peoria, Ill. Wilson formerly was a field representative for Caterpillar at Peoria and Vancouver, Wash. He joined the company in 1962 after a tour of duty with the U. S. Army.

'62

DONALD C. HURST (C.E.) has been transferred from Shell Oil Company's West Coast Pipe Lines Engineering Department in Los Angeles to the head office of Shell's Traffic Department in New York City as a transportation equipment engineer. Hurst went with Shell upon the completion of a master's degree in business at Purdue the Fall of 1963.

DALE F. OEXMANN (Math), assistant professor of mathematics at Rose, has accepted a NASA-ASEE Summer Fellowship to work at the Manned Space Flight Center at Houston. It is the second consecutive summer that Oexmann has participated in the joint program of NASA and the American Society for Engineering Education.

'63

CHARLES T. ROSE (C.E.), a partner in the Rose Contracting and Engineering Service, Washington, Ind., was named the Washington Jaycees' "Young Man of the Year" in February. Rose, recognized for work on many community projects, formerly was a project engineer for the Indiana State Highway Commission.

DR. BILL R. CRYNES (Ch.E.), assistant professor of chemical engineering at Oklahoma State University, Stillwater, has received a \$16,000 grant from the Petroleum Research Fund to do petroleum-related research. Dr. Crynes, who completed his Ph.D. in chemical engineering at Purdue University in 1967, has been at Oklahoma State since completion of his work at Purdue. He formerly was employed by Commercial Solvents Corporation.

RICHARD C. RAPSON JR. (M.E.) has completed his Ph.D. in mechanical engineering at Ohio State University and accepted a position as assistant professor of engineering at Florida Technological University at Orlando. Rapson, who earned his master's at Ohio State in 1966, formerly worked for Mead Paper Company at Chillicothe, Ohio. The Rapsons plan to take residence in Orlando about Sept. 1.

'64

PAUL G. GOSS (E.E.) is attending the University of Denver Law School. Prior to entering law school, Goss served as an officer in the U. S. Army Corps of Engineers. Goss' current address is 140 South Clarkson, Denver, Colo. 80209.

ROBERT R. GORDON (E.E.) has been named plant engineer for Container Corporation of America's new plant recently constructed at Revenna, Ohio. Gordon was transferred from the Anderson, Ind., plant to Revenna in September to direct installations for the 165,000 square foot plant which opened for production in February. Gordon joined Container Corporation in 1967 after a two-year tour of duty with the U. S. Army Corps of Engineers. His new address is 9270 West Main Street, Windham, Ohio 44288.



DUANE R. WOOD (M.E.) has been granted a leave of absence from Indiana Bell Telephone Company to work on a doctor of business administration degree at Indiana University, Bloomington. Wood, who has been working in computer training for the Plant Engineering Staff of Indiana Bell at Indianapolis, received a teaching assistantship and is teaching personnel management at IU while working toward the advanced degree. He completed his M.B.A. at Butler University in 1968.

'65

DAVID B. HOLOBAUGH JR. (C.E.) has joined the Carl M. Geudel Construction Company of Indianapolis following his release from active duty with the U. S. Army in November. The Indianapolis firm specializes in the construction of commercial and industrial buildings. Holobaugh's new address is 2960 West 52nd Street, Indianapolis, Ind. 46208.

'66

THOMAS R. SPROUSE (C.E.), a second lieutenant in the U. S. Marine Corps, has entered U. S. Air Force pilot training at Laredo Air Force Base, Texas. Lt. Sprouse, who was commissioned in 1969 upon completion of Officer Candidate School, was with Humble Oil and Refining Com-

pany in Evansville prior to entering military service.

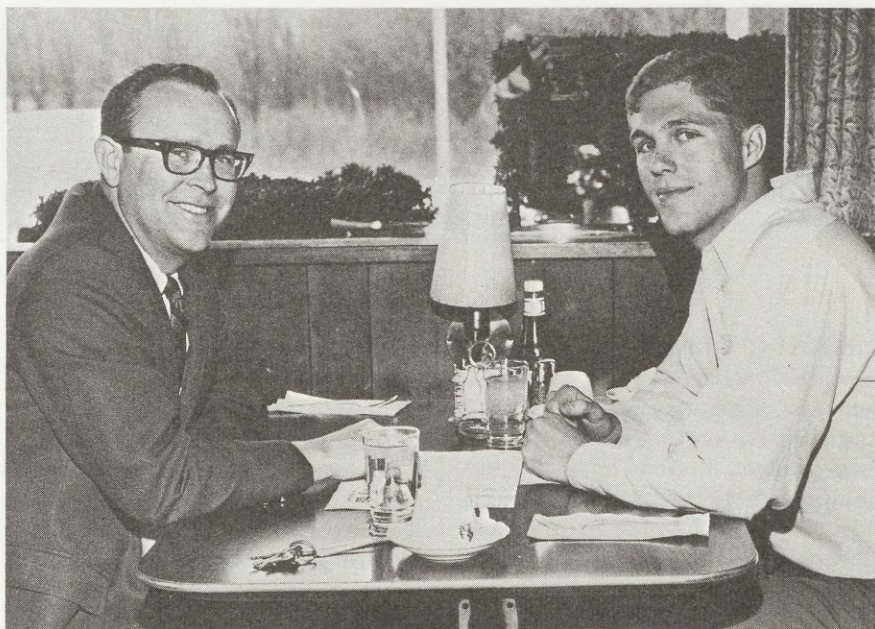
WILLIAM M. BESS (C.E.) has moved to the Minneapolis area for a position as sales engineer for the Minneapolis General Electric Apparatus Service Shop. Having joined General Electric three years ago, he is a graduate of the GE Technical Marketing Program. His primary customers are railroads, off-highway vehicles (mines), and transit companies.

'67

JAMES W. ENGLE (M.E.) has been commissioned a second lieutenant in the U. S. Air Force upon graduation from Officer Training School at Lackland Air Force Base, Texas. Lt. Engle, selected for OTS through competitive examination, currently is assigned to Mather AFB, Calif., for navigator training. He has studied at the University of Notre Dame and University of Michigan since graduation from Rose.



2nd Lt. WILLIAM A. HOLMES (M.E.) has been assigned to a unit of the Aerospace Defense Command at Tyndall Air Force Base, Florida. Lt. Holmes was commissioned in 1967 upon completion of Officers Training School at Lackland AFB, Texas, and



CAGE GREAT TO VIETNAM — Tom Curry (M.E.) visits with Rose athletic director and head basketball coach John Mutchner, left, before departing for Vietnam and service with the U.S. Army Corps of Engineers. Curry holds the career basketball scoring record with 1,483 points and owned the career rebounding total of 1,152 caroms until this past season when George Shaver broke the record by a single rebound. Curry will serve in Vietnam until June of 1970.

also studied under the Air Force Institute of Technology program at New Mexico State University. Prior to entering service, he was affiliated with Sieco, Inc., consulting engineers of Columbus, Ind.

BARRY E. RAFF (E.E., March), a Heminway Medal winner at Rose, completed his master's degree at Case Western Reserve University, Cleveland, in January. Raff currently is employed at the John Hopkins Applied Physics Laboratory in Silver Springs, Md., having joined the Johns Hopkins staff in September, 1968. Raff's address is: 9203 New Hampshire Avenue, No. 401, Silver Spring, Md. 20903.

'68

ROLF HILL (M.E., December) has moved to St. Louis and is working for McDonnell Douglas Aircraft Corporation as an associate design engineer on the DC-10 project.

*Change of Address?
Send it to Rose*

DON R. RILEY (M.E.) received orders in April to report for two years active duty with the U. S. Army Reserves. His first tour is nine weeks of training at Fort Gordon, Georgia, after which he is scheduled to become assigned to the Satellite Communications Agency, Fort Monmouth, N.Y. Prior to the Army call, Riley worked for General Electric in the Armament Department at Burlington, Vt., on a two-year Career Development Program. His initial project dealt with the electrical portion of the work in automatic weaponry.

Airman WILLIAM N. HURSTA (B.E.) has graduated with honors at Sheppard Air Force Base, Texas from the training course for U. S. Air Force medical specialists. One of the first three men to receive B.S. degrees in biological engineering at Rose, Hursta has since been assigned to the advance school on medical instrumentation at Sheppard AFB. Hursta is hopeful of receiving an assignment to work in biomedical research at Wright Patterson AFB on completion of the advanced course.

In Memoriam

'05

RALPH C. GRAY (E.E.), formerly associated with General Electric Company, died March 27 in Pittsburgh, Pa. He joined General Electric upon graduation from Rose and remained with the company in Schenectady, N.Y. and Philadelphia until his retirement several years ago.

'09

WALTER E. L. BOCK (E.E.), retired treasurer of The Superior Die Tool and Machine Company, Columbus, Ohio, died April 28 in Columbus. He was 79 years old. During his career, Mr. Bock worked as a professional engineer and later as a patent lawyer for a national firm in Columbus. He later entered private business with Superior Tool and Machine until his retirement.

'10

FRANK P. MOONEY (E.E.), retired district superintendent of Southern California Edison Company, Redlands, died April 21. He was 85 years old. Mr. Mooney had resided in Southern California since his graduation, having served in the position of district superintendent of the utility from 1918 until his retirement.

'14

GEORGE E. SCHOPMEYER (C.E.), retired maintenance engineer for the Illinois State Highway Department, died Feb. 27 at Effingham, Ill. He worked for the state highway department from 1914 to 1917 and from 1930 until his retirement in 1954.

IVAN L. KAUFFMAN, (M.E.), retired commercial artist for the Bureau of Engraving in Minneapolis, died Feb. 5 in St. Louis Park, Minn. He was 76 years old.

'19

PAUL L. FUQUA, one of the few architectural engineers graduated from Rose, died March 10 in Detroit. He was 72 years old. An architectural draftsman, Mr. Fuqua was last associated with Harley, Ellington and Day architects of Detroit as a architectural job captain.

F. W. ROLSHAUSEN (M.E.), formerly chief paleontologist for Humble Oil & Refining Company in Houston, Tex., died April 29 in Houston. He was 75 years old. Mr. Rolshausen, who had been with the oil industry in the Houston area since graduation and a resident of Houston for 48 years, was active in state, local and national geological organizations.

ADOLPH E. REINHARD (M.E.), retired vice president in charge of operations for Detroit Steel Company, died Nov. 21, 1968. He was associated with Detroit Steel, formerly known as Great Lakes Steel Corporation, from 1943 until his retirement. Prior to joining Great Lakes, he was employed by Youngstown Sheet and Tube Company and Wheeling Steel Corporation.

'29

ALBERT N. PORTER (M.E.), purchasing agent for the Hanna Coal Company, St. Clairsville, Ohio, died Jan. 5 while on a business trip to Terre Haute. He was 61 years old. Mr. Porter held two degrees from Rose, having graduated in mechanical engineering in 1929 and in electrical engineering in 1932.

ALLEN W. REEVES (M.E.), co-owner and secretary-treasurer of Custom Machine Works, Inc., Johnson City, Tenn., died Jan. 26. He was 61 years old. Mr. Reeves, who was a consultant for the Atomic Energy Commission at Oak Ridge Tenn., and

Groton, Conn., was associated with the Illinois Highway Department and Hercules Powder Company prior to entering private business.

'47

FREDERICK E. KOEBEL (C.E., Dec. '47), manager of Precast Operations for the Houston Division of Texas Industries, Inc., died Jan. 2. He was 44 years old. Mr. Koebel had resided in San Antonio and Houston since completing his master's degree at Purdue University in 1951. He was vice president and chief engineer for two San Antonio prestressed concrete industries prior to his association with Texas Industries.

LESTER E. FOLSOM, JR. (E.E., Dec. '47), senior engineer of the plant Department for the Pacific Telephone & Telegraph Company, died in August, 1968.

Alumni Represent Rose in Education

Nearly every week alumni represent Rose Polytechnic Institute at the inauguration of a college or university president, dedication of a university science or engineering facility or other functions relating to engineering education.

Following is a list of Rose men who have represented the college during the last three months:

Robert T. Mees ('31), inauguration of John Torben Bernhard as seventh President of Western Illinois University, May 3.

Gary G. Valbert ('63), inauguration of new president of Illinois Wesleyan University, March 22.

Harvey A. Greene ('57), inauguration of Dominic J. Guzzetta as president of Marian College, April 26.

Ed J. Hegarty ('15), inauguration of William Goff Caples, president of Kenyon College, April 15.

J. Dunlap McNair ('38), inauguration of Dr. John J. Pruis as president of Ball State University.

H. Loren Thompson ('34), inauguration of Victor G. Rosenblum as president of Reed College and Dr. Gregory B. Wolfe as president of Portland State University, April 16.

THE CARD AT THE BOTTOM OF THE PAGE IS A QUESTIONNAIRE FOR **ALL** ALUMNI TO COMPLETE. THE INFORMATION WILL BE USED TO UPDATE THE ALUMNI DIRECTORY. PLEASE COMPLETE AND RETURN THE CARD AS SOON AS POSSIBLE.

IMPORTANT INSTRUCTIONS

If the card is filled out properly we will be able to make a simple transferral to our computer cards. We hope you will be careful as our student keypunch operators are not experienced and we want your directory listing to be accurate. If your name, address, or title will not fit in the allotted blanks please make correct abbreviations or use initials as desired.

DO NOT FILL IN ANY SHADED BLANKS.

LINE 1 **Blanks 1 through 4** are for your month of graduation; **Blanks 5 & 6** are for your year of graduation.

LINE 2 Print your name, first name first, (leave an empty blank for name or initial separation).

LINE 3 **Blanks 1-6** are for your major.

(Write in the appropriate numbers in the appropriate blanks).

Blank 7 Adv. Degrees

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|-------------------|---------------|
| 1—Master's Degree | 5—M.A. Degree |
| 2—MBA | 6—Other |
| 3—Doctor's Degree | |
| 4—M.S. Degree | |

Blank 8 Social Fraternity

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|--------------|------------|
| 1—ATO | 5—Triangle |
| 2—Sigma Nu | 6—Phi Gam |
| 3—Lambda Chi | 7—Other |
| 4—Theta Xi | |

Blanks 9-17 Mark an **X** if you were a member of the following activities while you were in school.

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| Blank 9 Stu. Gov. | Blank 12 Blue Key | Blank 15 Grad with high honors |
| Blank 10 Honor Men | Blank 13 Class Officer | Blank 16 R-Man |
| Blank 11 Tau Beta Pi | Blank 14 Grad with honors | Blank 17 Adv. ROTC |

Blank 18 Mark an **X** if you are a Registered Engineer.

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LINE 7 Name of your Parent Company. If the full name will not fit use the most common abbreviation.

LINE 8 Subsidiary or division in which you directly work.

LINE 9 Your title.

LINE 10 Job description (Write in the appropriate numbers in the appropriate blanks).

Blank 1 Corporate

- 1—Executive
- 2—Management
- 3—Engineering
- 4—Production
- 5—Res. & Dev.
- 6—Sales
- 7—Admin. & Account.
- 8—Personnel
- 9—Law

Blank 2 Gov. (other than Mil.)

- 1—Federal Government
- 2—NASA
- 3—Dept. of Navy
- 4—Dept. of Army
- 5—Dept. of Defense
- 6—TVA or Bureau of Rec.
- 7—State Government
- 8—State Highway
- 9—Local Government

Blank 3 Military

- 1—Career Army
- 2—Career Navy
- 3—Career Air Force
- 4—Career Marines
- 5—Temp. Army
- 6—Temp. Navy
- 7—Temp. Air Force
- 8—Temp. Marines

**Blank 4 Consultants
& Contractors**

- 1—Owner and/or Officer
Consulting Firm
- 2—Consulting Engineer
- 3—Owner and/or Officer
Construction Firm
- 4—Contracting Supervisor

Blank 5 Professions

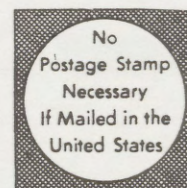
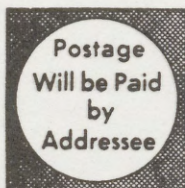
- 1—Research
- 2—Law
- 3—M.D.
- 4—Dentist
- 5—Ministry

Blank 6 Education

- 1—College Admin.
- 2—College Professor
- 3—Graduate Student
- 4—High School Admin.
- 5—High School Teacher

Blank 7

- 1—Manufacturers Rep.
- 2—Insurance
- 3—Real Estate
- 4—Private Business
- 5—OTHER



BUSINESS REPLY

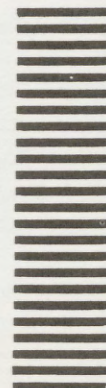
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