

9-1969

## Volume IX - Issue 5 - September, 1969

Echoes Staff

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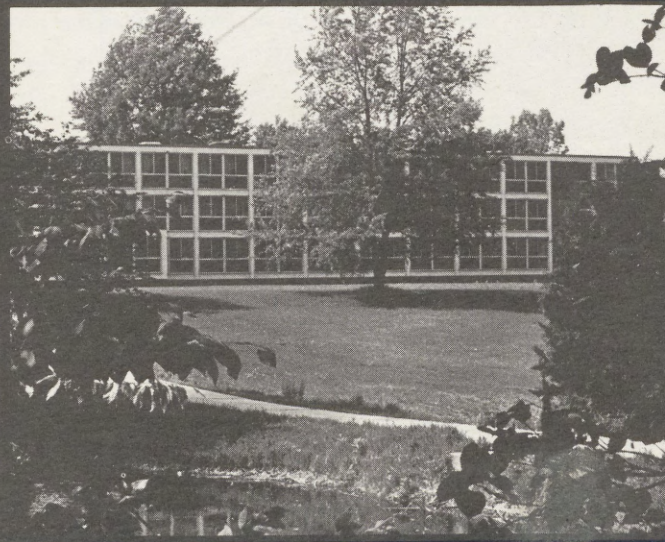
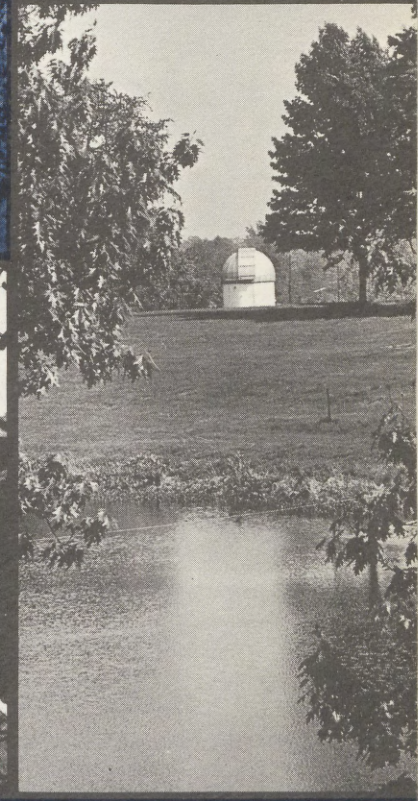
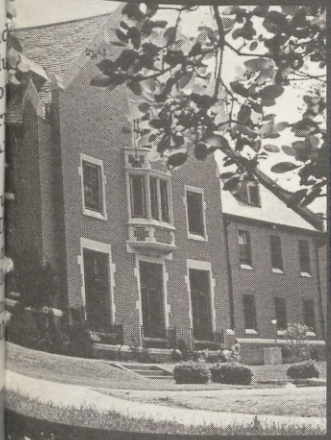
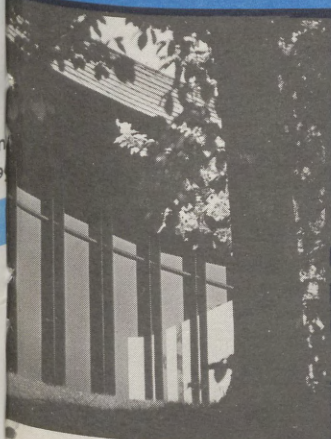


# ROSEECHOES

ALUMNI MAGAZINE

SEPTEMBER, 1969

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# ROSE ECHOES

*Alumni Magazine*



May, 1969 Vol. IX, No. 3

**Kent Harris**  
*Editor*

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## The Cover

Ask an incoming freshman to describe the Rose campus and usually he will say: "It's real neat." The cover design includes some "neat" photographs of the Rose campus this summer.

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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 1969-70

Homecoming	Vern W. Fellows '62
Fund Raising	William R. Gray Aug. '50
Student Recruitment	Owen H. Meharg '54
Rose Tech Clubs	Gene L. Mrava '57
Awards and Recognition	William Nicewanger '63
Continuing Education	Howard H. Irvin Feb. '48

### 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

# Rose Opens Doors to 1,000

**F**or Rose Polytechnic Institute, the 1968-69 academic year was one of great progress.

A record 215 of the most well-trained graduates in the history of the school left Rose in June; an equally impressive 380 young men were enrolled to take their place as the class of 1973 as school commences this month, and record support from alumni, friends, business and industry served as a vote of confidence to Rose on its "job well done."

The year just completed was a good year for Rose . . . the 1969-70 year promises to be even better.

For when Rose begins classes for the eighty-sixth year on October 1, there will be 1,000 under-

graduates for the first time. The Centennial Development Program's goal of 1,050 students by 1970 will be clearly in sight.

New degree programs in aerospace engineering and computer science will formally begin in the fall, and the faculty will begin work on the establishment of an experimental laboratory for institutional development made possible by a \$140,000 government grant approved last year.

Students also will find the Mechanical and Aerospace Engineering Annex (see page 8) and the new home of Triangle Fraternity nearing completion. Other work done over the summer includes the remodeling of a portion of the main building for addi-

tional class rooms, re-location of the business office, and general repaving of campus roads and parking areas.

One hundred ninety-five seniors will launch their final year at Rose, while 240 sophomores (they may need help from the 195 juniors) will direct the "Great Green Wave" in the choruses of the school song and more interesting parts of the traditional "hazing" of first-year Rose men.

The small army of freshmen should have no difficulty in finding enough numbers to build—or secure—the traditional bonfire, but everyone else concerned with Homecoming '69 will be forced to work overtime if the show is to



# Homecoming '69... A Circus Theme

come off as scheduled on Oct. 17-18—less than three weeks after school begins.

With Vern Fellows ('62) serving as ringmaster, the homecoming weekend will be centered on a circus theme.

Homecoming activities will begin with the annual Alumni Institute on Friday morning, Oct. 17. Robert T. Mees, '31, and Robert Arthur, chairman of the biological engineering department at Rose, are working on a program entitled, "Is There Profit in Engineering for the Benefit of Man?"

According to Dr. Arthur, the institute will deal with engineering questions related to health, medicine, safety and environmental control. The need for a new awareness by the engineering profession and the search for the analytical, creative engineer in these special areas also will be discussed during the program.

Alumni Institute also will take a look at some of the steps industry, federal, state and local governments have taken in these man-related engineering areas and at the same time project their respective roles in the future.

Aimed at bridging the generation gap (is there such a thing in engineering?), the faculty for Alumni Institute will include members of the older, younger and now generations. Faculty members for the institute are:

## THE "OLDER" GENERATION

Gene F. McConnell ('42)  
Bryon MacNabb ('32)  
Wayne Alexander ('38)  
John Welse ('43)  
Chester Stock ('32)  
H. Loren Thompson ('34)  
Paul Gottfried ('49)  
Glen Sampson ('30)

## HOMECOMING SCHEDULE

Friday, October 17

- 8:30 a.m. Registration for Alumni Institute (Front Hall Main Building)
- 9:00 a.m. Alumni Institute (Room B-119 Main Building)
- 12:00 noon Lunch for Alumni Institute (Hulman Union)
- 4:00 p.m. Class Agents Meeting (Hulman Union); Admissions Workshop (Hulman Union)
- 6:00 p.m. Class Reunion Banquets
- 8:00 p.m. Blue Key Pep Rally—Queen Coronation (Fieldhouse)
- 8:30 p.m. Bonfire (West of Fieldhouse)
- 9:00 p.m. Entertainment—The Association (Fieldhouse)

Saturday, October 18

- 8:30 a.m. Tuskers Breakfast (Hulman Union)
- 9:30 a.m. Alumni Meeting Registration (Main Building)
- 10:00 a.m. Annual Alumni Meeting (Room B-119 Main Building)
- 11:30 a.m. Homecoming Luncheon (Hulman Union)
- 2:00 p.m. Football-Rose vs Hanover (Rose Field)
- After Game Happy Hour—Wabash Valley Rose Tech Club to 5:50
- 6:00 p.m. Homecoming Alumni Banquet (Hulman Union) After Banquet Rosie's Pub (Auditorium)
- 9:00 p.m. Blue Key Homecoming Dances (Hulman Union)

## THE "YOUNGER" GENERATION

David Starnes ('62)  
John Bloxsome ('57)  
James Onnen ('60)  
David Kelton ('67)  
Charles Skidmore ('58)  
Stephen Ban ('62)  
Fred Terry ('62)  
Thatcher Richardson ('56)

THE "NOW" GENERATION  
Junior and senior biological engineering majors.

Dr. Arthur will be the general moderator for the institute, and Prof. Herman Moench ('29), vice president for academic affairs, will summarize at the end of the program.

Homecoming activities will move into full swing Friday evening with class reunions of "fours" and "nines" at 6:00 and 6:30 p.m., the annual pep rally and homecoming queen coronation at 8 p.m. (there appears to be a lot to cheer about in football this year), the traditional bonfire at 8:30 p.m. and entertainment by The Association, one of the nation's leading musical groups.

The Rose Student Government is sponsoring The Association, a group famous for such one-million hits as "Cherish" and "Windy." The group also composed the score for the current hit motion picture, "Goodbye, Columbus."

Alumni should have by now received a reservation blank to assure tickets for the Friday night performance.

Saturday's activities will begin at 8:30 a.m. with the "Tusker's breakfast, the third meeting of former Rose athletes and friends. Members of the coaching staff will be introduced and officers will be elected.

Members of the Rose Alumni Association will meet at 10 a.m. Inasmuch as a new constitution was adopted last fall, the meeting will center on new business and the announcement of the election of the vice president of the association.

Following a noon luncheon, the Engineers' homecoming football battle with Hanover of the



# ...Headline Entertainment by The Association

Hoosier Conference and the Happy Hour sponsored by the Wabash Valley Rose Tech Club, the Homecoming Weekend will draw to a close with the annual Alumni Banquet beginning at 6 p.m. in Hulman Memorial Union. Farewell for another year will be made at "Rosie's Pub" following the banquet.

**A** number of Rose men will have a special interest in Homecoming this year—their sons will be attending the big weekend as first-year men at Rose.

Sons of Rose men are Steve White (John White, July, '47), Charles Moseman (Everett Moseman, Aug., '50) and John Peck (Roger Peck, X-'50), all of Terre Haute.

Also, Thomas Larkin (Robert Larkin, July, '44) of Plainfield; Doug Bryant (John Bryant, Oct. '48) of Speedway; John Metz

(J. E. Metz, Feb. '43) of Indianapolis; Thomas Havill (C. N. Havill, July, '49) of Oxford, England, and Princeton, Ind.; and John Ogelsby (Frank Ogelsby, Jan., '49) of Acton, Ind.

Also, Thomas Dedert (William Dedert ('45) of Crete, Ill.; William Schumann (William Schumann, April, '49) of Oklahoma City; William White (William White, Dec., '47) of San Lorenzo, Calif.; And Michael Tingley (William Tingley, Sept., '47) of Westport, Conn.

Twenty-six other freshmen had either a brother, uncle or cousin preceded them at Rose. Freshmen brothers of Rose men include Darrell Winn (Dana Winn, '71) and Greg Gwin (Steve Gwin, '71), both of Indianapolis; Ray Fuson (Jack Fuson, '70) and Robert Stimac (Randy Stimac, X-'68), both of Terre Haute; Steve Balough (Henry Balough, '71) of Chicago; Robert Kirschke (Gary Kirschke, '70) of Oakbrook, Ill.) and Steve Thomas, (Michael Thomas, '64) of Brazil.

Class reunions dinners have been scheduled beginning at 6 p.m. in several Terre Haute locations. Following is a list of the times and places of class reunion dinners:

## CLASS REUNIONS

50 Year Club	Hulman Union	5:30 p.m.
1924	Terre Haute House	6:00 p.m.
1929	Herman Moench Residence	6:00 p.m.
1934	Albert Pick	6:00 p.m.
1939	Tucker's	6:00 p.m.
1944	Sycamore Club	6:00 p.m.
1949	Downtown Elk's Club	6:00 p.m.
1954	Louise's	6:00 p.m.
1959	Dragon Inn	6:00 p.m.
1964	Louise's	6:30 p.m.





## Robert T. Willets Named Rose Business Manager

The 1969-70 academic year begins with relatively few changes in the faculty and administration.

The marked change is in the business office where Col. Robert T. Willets, professor of military science and head of the Reserve Officer Training Corps (ROTC), has been serving as business manager since Sept. 1.

Col. Willets, who retired from a military career with the U.S. Army spanning 27 years on Aug. 31, succeeds Prof. Irvin P. Hooper, who is returning to full time teaching in the Mechanical and Aerospace Engineering Department.

Col. Willets, who came to Rose in 1965, first entered the Army in 1942 as a private shortly after his graduation from the University of Maine with a B.S. degree in forestry. He was commissioned a second lieutenant in 1942 and released from active duty in 1946 with the rank of captain.

Following four years with the northeast hardwood industry, he was recalled to active military service in 1950 for duty in Korea with an Army engineer advisory group. While in Korea from 1950 to 1952 he was promoted to major and awarded the U.S. Bronze Medal, the Korea Service Medal, and the Chung Mu Meritorious Service Medal of the Republic of Korea.

He has since had assignments to the ROTC group at Texas A & M; as commander of a combat engineer battalion in Germany; area engineer for the Army's district engineer in Washington, D. C.; deputy commander



*Robert T. Willets*

of the Granite City, Ill., Army Depot; engineering advisor to the Royal Cambodian Army; and post engineer on Okinawa.

Col. Willets, who can be credited with many of the revisions in the unique ROTC programs at Rose and Indiana State, has been active in numerous campus activities. He has been honored for his work in athletics and last year was tapped as an honorary pledge by Blue Key, national honorary service fraternity.

Also new to the business office is Steve Miller, formerly a civilian employee with the ROTC detachment. Miller, who has been at Rose three years, has been named Willets' administrative assistant in charge of purchasing. Miller succeeds Col. John Dougherty, who resigned in August. Col. Dougherty preceded Col Willets as PMS at Rose, and had served as head of purchasing since his retirement from the Army.

Announcement of the naming of Dr. Noel E. Moore as Director of Research and Graduate Studies was also made Sept. 1.

Dr. Moore, who joined the Rose faculty last September, will continue to teach chemical engineering and devote a portion of his time to his new assignment. He succeeds Dr. Ralph A. Llewellyn ('55), who will devote full time to his recently acquired duties as chairman of the physics department at Rose.

A native of Ohio, Dr. Moore earned a B.S. in chemical engineering from Purdue University in 1956 and his master's from the Massachusetts Institute of Technology in 1958. He later returned to Purdue where he completed his Ph.D. in chemical engineering in 1967.

He came to Rose from the University of Kentucky where he was a member of the faculty from 1964 to 1968. Other experience includes positions as a process engineer for Standard Oil (Ohio) and Procter & Gamble and consulting work with Humble Oil Company and the Dow Chemical Company.

In addition to his work at Rose, Dr. Moore is director of the Air Pollution Control Division of the Vigo County Health Department, a part-time position he has held since January.

Rose Polytechnic will have approximately 25 graduate students on campus during the upcoming academic year, including three to five part-time students working toward a master's degree in biological engineering.



## Men of Triangle Await Moving Day to New House

Other new faces at Rose include Dr. Craig Hane, associate professor of mathematics; Jeffrey Lew (C.E., '63), an instructor in civil engineering, and Mrs. Diana Vari, assistant professor of humanities and social sciences.

Dr. Hane was graduated from Oberlin (Ohio) College in 1960 and received his Ph.D. in theoretical mathematics from Indiana University in 1966.

He comes to Rose from Indiana State University, where he has been a member of the faculty since completion of the Ph.D. Other teaching experience included assignments at DePauw University (1961-62) and Western Reserve High School, Wakeman, Ohio, (1960-61).

Lew, who completed his master's in civil engineering at Purdue University in January, comes to Rose from the office of the Vigo County Area Planning Department.

Having joined Cities Service Oil Company at East Chicago, Ind., following his graduation in 1963, he served three years with the U.S. Army Corps of Engineers prior to entering graduate school at Purdue where he specialized in construction engineering and management.

Mrs. Vari, who earned her B.A. at Baldwin-Wallace College in 1964 and the M.A. at Indiana



University in 1966, currently is working toward a doctorate at I.U. She comes to the Rose humanities faculty with teaching experience at I.U. and Indiana State University.

Although on-campus housing is at a premium, (585 men at full capacity) Rose met the problem with relative ease—thanks to new quarters for Triangle and Phi Gamma Delta social fraternities.

Triangle is expecting to occupy the dormitory section of its new \$250,000 house on the east edge of the campus in early October. The house will accommodate 50 to 54 men, thus opening the equivalent of one floor of rooms in the underclassmen's dormitories.

Phi Gamma Delta, which will receive its charter at Rose sometime this academic year, was granted permission to purchase a residence on South Sixth Street in Terre Haute. Twenty-five members of the youngest Rose fraternity will move into the new house in late September.

Alpha Tau Omega, which com-



*TRIANGLE HOUSE — Members of Triangle fraternity are watching daily progress of workmen building their new house on the east edge of the campus. The fraternity plans to move into dormitory sections of the house at the beginning of the school year.*



# Sigma Nu to Open Bids for 3rd House on Campus

pleted its new three-level residence on the campus last year, is scheduled to operate its house at 50-man capacity, and it appears likely that Lambda Chi Alpha may get the green light to occupy its house in Deming Woods. An injunction has kept Lambda Chi out of the house since homeowners in the Terre Haute suburb leveled the legal action against the fraternity years ago.

Sigma Nu, meanwhile, will be operating over capacity—perhaps for the last year in its South Center Street location. The fraternity currently is awaiting approval on a loan for a new home on “Fraternity Row.”

Bids were to be opened for construction of the new house in early October, with groundbreaking for the future home of Sigma Nu being an added attraction to a perhaps the finest Homecoming in the history of the school.

Although the new Mechanical and Aerospace Annex and the

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**The Office of Alumni Affairs at Rose has called attention to the lack of response to the Alumni Questionnaire in the May issue of Rose Echoes Alumni Magazine.**

**Approximately one-third of the alumni association members have returned the questionnaire, prompting a second printing of the form in the back of the September Echoes.**

**Please fill out this form and return it to Rose as soon as possible in order that the Alumni Office can get on with its service of providing an up-to-date alumni catalogue for Rose men.**

**Rose men have found the directory to be a valuable reference in the past. Please help the Alumni Office continue to make this service available by contacting the office with each change of address, position or educational status.**

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turning to the campus, many plans for “Fraternity Row” are the most striking to persons reminoring projects undertaken over the summer will enhance operations during the coming year.

It is quite difficult to get excited about asphalt, but paved parking areas near the new Templeton Administration Building and Shook Memorial Fieldhouse should help the constantly growing parking problems on the campus for operation of the school and extra-curricular functions.

Next month Universal Tank and Iron, Inc., of Indianapolis will begin work on a water tower for the campus in a move to provide an adequate water supply for the growing needs of the college.

*CAMPUS TOUR—Parents of incoming freshmen are given a special tour of the campus as students arrive for Freshman Institute at Rose.*

*Rose Echoes Alumni Magazine*





# Prof. Carl Wischmeyer

## 1884-1969

It is with deep regret we report the death of Carl Wischmeyer, former vice president and chairman of the mechanical engineering department at Rose Polytechnic.

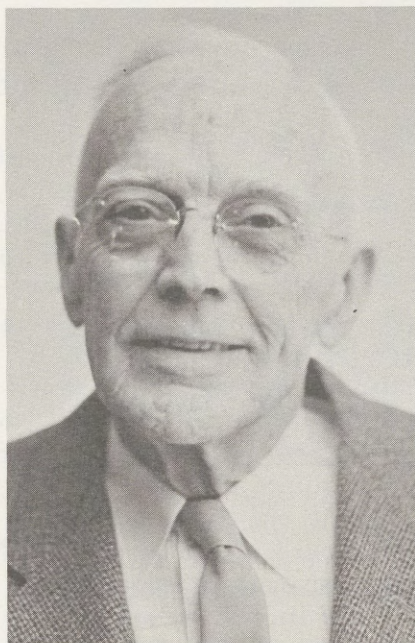
Prof. Wischmeyer, who had made his home with a daughter in Cleveland in recent years, died Sept. 4 at Cleveland, following a fall in which he had suffered a broken hip on Sept. 1. He was 85 years old.

A native of Louisville, Ky., Prof. Wischmeyer was the son of German immigrants. He attended Louisville Male High School, run by the University of Louisville, and was awarded at graduation in 1902 not only a high school diploma but also the degree of Bachelor of Arts from the University of Louisville.

Having been acquainted with Rose by two teachers who had graduated from the then young college in Terre Haute, he entered Rose as a freshman in the fall of 1902.

Prof. Wischmeyer won the Heminway bronze medal for the highest academic standing in his freshman class and the Heminway gold medal upon his graduation as an electrical engineer in June, 1906, for the highest academic standing throughout the four years. His son, Carl R. Wischmeyer (E.E., '37) later achieved the same dual honor at Rose.

During his college days, Professor Wischmeyer was on the staff of *The Technic* for four years, serving as editor-in-chief during his senior year. He participated in basketball and track and held the state record for the running high



jump (then five feet, seven inches). His memberships included Tau Beta Pi honorary and Alpha Tau Omega social fraternity.

Following a two-year stint as an engineer, Professor Wischmeyer returned to Rose as an instructor in drawing in 1908. He later taught descriptive geometry and co-authored a textbook entitled "Descriptive Geometry." At various times at Rose he also taught German, dynamics, physics laboratory, steam engine valve gears, machine design, aerodynamics and thermodynamics. Thus he drifted into mechanical engineering rather than electrical engineering which he had been graduated.

Prof. Wischmeyer was awarded the Master of Science in electrical engineering in 1910 for work in building an oscillograph and earned the professional degree of Mechanical Engineer in 1920.

Upon his retirement in 1955 Rose conferred upon him the degree of Doctor of Engineering.

For the last 20 years of his career he was vice president of Rose serving as acting president one of these years. The only break in 47 continuous years of service on the Rose faculty came in 1923, when he had a disagreement with the Rose president and sought employment with the General Motors Research Corporation, Dayton, Ohio, where he collected data on ethyl gasoline—then under development—under Charles "Boss" Kettering. The following year the president of Rose was replaced and Professor Wischmeyer returned.

His membership in the American Institute of Electrical Engineers changed, as his field of work changed, to membership in the American Society of Mechanical Engineers. He served as secretary of the Central Indiana Section of ASME, was elected a fellow in this organization in 1958—an honor including life membership, and in 1968 received a special citation from the Cleveland chapter of the ASME for 55 years of service.

He was a registered engineer in the state of Indiana and a member of the American Society of Professional Engineers. He was listed in "Who's Who in America," "Who's Who in Engineering" and "Indiana Scientists."

Besides the son, Carl, who currently is serving as director of education for Bell Laboratories, Holmdel, N.J., he is survived by a daughter, Mrs. J. Edward Taylor, Cleveland, and six grandchildren.



# Up, Up And Away —B.S.A.E.

## *Demand High for New Program In Aerospace Engineering at Rose*

All systems are "go" for aerospace engineering at Rose Polytechnic Institute.

The new program, which will lead to a Bachelor of Science degree in aerospace engineering, will commence this fall with 15 juniors electing the program for graduation with the first class in aerospace engineering in 1971.

However, it will not be surprising if a current senior elects to carry an overload and be the first to graduate B.S.A.E. in June, 1969. All one has to do is look at the future of the aircraft and space business—it's booming.

According to recent figures there are approximately 110,000 registered aircraft (excluding military) in the United States today—a figure which will nearly double (210,000) in the next ten

years. This boom may not bring about positions for twice as many aerospace engineers, but there certainly will be far more positions available than Rose and other engineering schools will be able to prepare men to fill.

**D**r. James B. Matthews ('54, M.E.), professor and chairman of the mechanical and aerospace engineering department, will direct the new program which will prepare men for positions in aircraft and space industries.

The new program will combine a study of aeronautics and space mechanics—the emphasis being placed on aerodynamics and stresses aeronautics rather than astronautics. Specialization will be held at a minimum, and the final two years of the curriculum will include several of the courses required in the mechanical engineering program to insure a broad background in fundamental engineering problems. The first two years of the aerospace and mechanical engineering programs are common.

While a degree-granting program in aerospace engineering is new to Rose, the teaching of aerospace engineering and related subjects has been undertaken for some time. Aerospace engineering, as we know it today, has been a part of the institute's mechanical engineering curriculum for

*'AERO' ANNEX—Work on the new building to house the Rhiman A. Rotz Memorial Engine Laboratory, the subsonic wind tunnel and equipment related to aerospace engineering progresses, with a target date of late October scheduled for completion of the structure.*





the last three years in the form of an elective option.

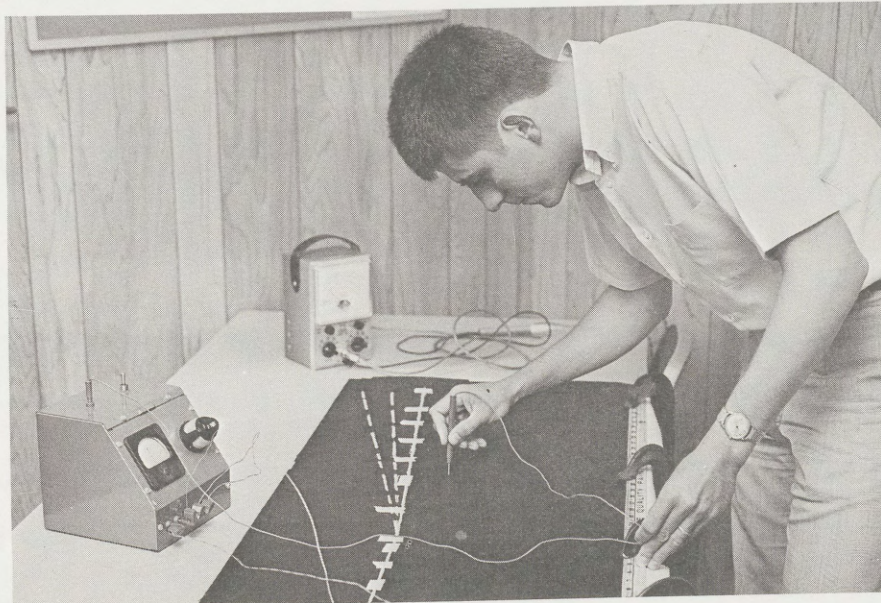
According to Dr. Matthews, the school offered the option in order that a mechanical engineering major who took all the electives would come out with a program similar to that of the aeronautical engineer in other colleges and universities. It was through demands by industry and surveys of both the freshman and senior classes that Rose decided to move to the separate program in aerospace engineering.

Of the 90 sophomores entering the mechanical-aerospace department this fall, a figure of between 25 and 30 men will begin the aerospace program, and Dr. Matthews feels that other members of the class will move to aerospace at the beginning of the junior year. Moreover, the fact that Rose now offers a B.S. in aerospace engineering and calls it exactly that should lure students to Rose who previously would have chosen another school in order to get the B.S.A.E. on their diploma.

When it became apparent that the program would be approved by the school administration, the mechanical engineering faculty immediately went to work on designing a facility for the laboratory portion of the program.

Under the direction of Dr. Tom Roper, a veteran of some six years as a design engineer at The Boeing Company, Rose began work on the low speed wind tunnel in a unique faculty-student project entitled, "Operation Big Breeze."

Junior mechanical engineering major Jack Fuson, Terre Haute, was elected as the student leader of the group. He continued work on the design project during the summer under the Olin Summer



*WIND TUNNEL DESIGN—Jack Fuson, a junior mechanical engineer, works with electrosensitive paper in one problem dealing with the design of the subsonic wind tunnel. Fuson was the student leader for "Operation Big Breeze," a student project which came up with a design for the 40 by 20 by eight-foot wind tunnel.*

Fellowship program and will follow the progress of the subsonic wind tunnel project during his senior year.

With the help of faculty members and blueprints of wind tunnels built by industry, the team came up with a plan calling for a 40 by 20 by eight-foot tunnel with an eight-square foot test section. Powered by a 75-horsepower D.C. motor, the low speed tunnel is expected to develop a range of from 100 to 225 feet per second in the test section.

The low speed tunnel, which will be constructed primarily of three-quarter inch plywood (sheet metal will be used where it is more advantageous), will be

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### *Students Help Design Tunnel In 'Big Breeze'*

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built by Rose personnel and students, with a target date of the third quarter of the current school year being set for its completion.

Freshmen who participated in "Operation Big Breeze" were Thomas Ersted, Kettering, Ohio; Robert Uhl, Louisville; Andrew Fisher, Evanston, Ill.; Robert Vitolins, Carmel; Mark Murman, Cincinnati, and George Handley, Ft. Knox, Ky.

Although Rose will rely on the expertise of its mechanical and aerospace faculty and help from industry in making the final decisions on the construction of the tunnel, the fact that freshmen were called on to assist in the design is stimulating to the engineering education scene.

This kind of thinking will continue in the program this fall as freshmen are charged with the responsibility of designing airfoils for the purpose of testing them in the new facility.

What's a wind tunnel without something to blow to bits in the test section?



# Student Profile . . . The 1969 Fall Freshman At Rose Polytechnic Institute

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Information for Student Profile . . . The 1969 Fall Freshman at Rose Polytechnic Institute was taken from a survey compiled by the Office of Admissions of the institute.

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How many colleges or universities could increase the size of their freshman classes by one third while maintaining the highest of academic standards? This is what Rose Polytechnic has done this year.

A freshman class of 380 young men (100 more than last year) will take their place as the class of 1973 when school begins Oct. 1. Here is a look at the typical youth who made Rose his first choice in '69:

**THE TOP MAN:** The group of freshmen with the highest Scholastic Aptitude Test (SAT) scores is the most impressive set of scores in the ten years the testing system has been in existence. Ninety members of the class (or approximately 25 per cent) scored between 700 and 800 on the math portion of the exam. Incidentally, a math score of 700 or better would rank a Rose freshman in the ninety-ninth (99) percentile of the nation's college bound students.

**THE MIDDLE MAN:** The class median or "middle man" was graduated in the upper eight per cent of his high school class. He scored 542 (91st percentile) in verbal skills and 653 (96th percentile) in the math portion of his SAT. Moreover, his course preparation consisted of four years of English, nearly five years of mathematics, and at least one year each of physics, chemistry and biology.

**HOOSIER SCHOLARS:** There are 259 Indiana boys in the 1969 freshman class; 188 members of this group (or 72 per cent) were designated as Hoosier Scholars. This figure constitutes approximately 12 per cent of all the male Hoosier Scholars entering Indiana's 35 colleges and universities this fall. In fact, Rose students will be bringing about 10 per cent of the state scholarship commission's awards for the entire state to the institute this fall—a doubly impressive statistic in view of Rose's relatively small numbers.

**EXTRA-CURRICULAR ACTIVITIES:** Rose frosh not only excelled academically, but were engaged in many activities. Twenty-eight were senior class presidents; 55 held offices in student government, while 41 were delegates to Boys' State. One hundred thirty-four won varsity athletic letters, while 127 participated in Scouting—24 of them attaining the rank of Eagle Scout.

**EDUCATIONAL BACKGROUND:** Although the 1969 freshmen class is comprised of the largest number of second-generation college students (78 are from families where both parents attended college; 103 had one parent who attended college), 216 boys are from families where neither parent attended college—thus underscoring the fact that Rose continues to serve those in the middle-income bracket.

**GEOGRAPHICAL DISTRIBUTION:** Twenty-three states are represented in the 1969 freshman class. Indiana led with more than 250 men, followed by Illinois and Ohio with 40 or more boys. Kentucky, Pennsylvania, New York and New Jersey sent five or more, while California, Connecticut, Florida, Alaska, Hawaii, Iowa, Louisiana, Maryland, Michigan, Minnesota, Nebraska, Oklahoma, Tennessee, Washington, Wisconsin and Wyoming each send one or more incoming students to Rose.





## Operation Upswing

# Frosh Brighten Grid Picture

Replacing last year's often-used "Rose Loses Again" headlines with hard-hitting banners of a victorious nature will be the aim of some 60 Rose football players as the Engineers launch the 1969 season at home against Concordia (Ill.) Saturday, Sept. 27.

Coach Bob Bergman, who had fewer than 30 healthy players on hand on more than one occasion during last year's agonizing 0-8 season, greeted more than 60 players to pre-season drills Sept. 8 — among them the largest and most honored freshman football talent enrolled at Rose in many years.

Having enough players for a hard-nosed scrimmage (and perhaps a platoon system of sorts)

will be a luxury for Bergman at Rose, and the 30-year-old coach plans to parlay his new found numbers into a winner — hopefully in short order.

Bergman, you will recall, came to Rose last year with an impressive 25-10-3 high school record compiled while rebuilding football fortunes at Attica and Greencastle. This season has all the earmarks of an "Operation Upswing" in football at Rose.

Building around 22 young, but tested footballers headed by All-NAIA District halfback Roger Ward, the Engineer coaching staff will be looking for a starting quarterback, the left side of the offensive line and an entire defensive backfield in the three short weeks before the opener.

Despite the fact the opposition knew that it would be Ward off right tackle on six out of 10 plays, the Rose ground game commanded the respect of every opponent last year. Ward, a durable 5-8, 175-pounder from Dayton, Ohio, led the Engineers in scoring (six touchdowns) and total offense (742 yards) as a sophomore and will be looked to as the leading ball carrier in the 1969 campaign.

Other backs who should have an inside track on starting positions are junior Tom Merrill of Terre Haute and sophomore flanker Ed Adams of Cincinnati. Merrill, who missed four games with an injury, ranked second to Ward in rushing last season, while Adams came on late in the season to lead the receivers with



## All-NAIA Back Roger Ward Leads Returning Players

19 receptions for 300 yards.

Leading returning offensive linemen are senior Clint Cathcart, a 6-0, 200-pound guard-tackle from Terre Haute, tackles Dennis Smith (6-0, 220) and Mike McShane (6-5, 200), both of Indianapolis, and end Dave Burnger, a 6-3, 200-pounder from Veederburg.

Cathcart is expected to move from guard to tackle this season, while Smith will return to his familiar right tackle slot.

Defensively, the Engineers are looking forward to the return of sophomore Norm Klein, (5-10, 185) Arlington Heights, Ill.; junior Buzz Scharringhausen, Ft. Wayne, and McShane. Klein was the Most Valuable Defensive layer as a freshman, having led the team with 57 tackles and 52 assists from his middle linebacker slot.

Scharringhausen, a 6-2, 190-pounder, was second among returnees with 33 tackles and 34 assists. Dennis Smith was credited with 27 tackles and 24 assists

Football	
Sept. 27	Concordia
Oct. 4	At Principia
Oct. 11	At Indiana Central
Oct. 18	Hanover (Homecoming)
Oct. 25	At Illinois College
Nov. 1	St. Procopius
Nov. 8	At Earlham
Nov. 15	Wilmington
All games at 2 p.m.	

during defensive duty.

With only six players lost to graduation, the key positions to be filled are the tackle slot of four-year lettermen tackle Pete Doenges, quarterback Charlie Hills and punter-defensive specialist John Jacobi. Other recent graduates who played only a part of the 1968 season were tackle Jack Mehok, guard John Leonard and specialist Jose Ibanez.



Perhaps the leading candidates for Doenges' tackle slot is freshman Jerry DeMeyer, (5-10, 235) an All-State performer at South Bend Washington and a leading lineman for the North in the Indiana Boys' Club All-Star game in August.

Since there is nothing better than competition for a football job, the fight for the quarterback slot should prove interesting. Leading a seven-man list of prospective quarterbacks are Mike Box, who threw 42 touchdown passes during his high school career at Terre Haute Gerstmeyer; Rick Manuszak, an all-conference defensive back and one year quarterback at South Bend St. Joseph's and Keven Murphy, quarterback of South Bend Central's touted 1968 football team. Box and Murphy gained honorable mention All-State honors.

Other names for Rose football fans to get acquainted with are Jerry Bertram, (6-0, 195), a full-back from Indianapolis Howe; Joe Zumar, a 6-2, 195-pound end from Terre Haute Garfield, and Dan Ireland, an Indianapolis Tech all-city player prior to four years of service with the U.S. Marines. Ireland, who considered attending Rose before entering service, is a leading candidate for one of the linebacker slots.

Another pleasing factor about the 1969 season is the schedule—a home opener, an early homecoming and road trips under 200 miles.

*DO IT THIS WAY*—Coach Bob Bergman instructs a small group of players during pre-season drills on the Rose campus. Rose invited 60 players to the three-week session before the opening game Sept. 27.



## Battle for Quarterback Slot Shapes Up as Dandy

"In our case, the opening game is perhaps the most important game of the season," Bergman said, "If our lack of experience doesn't slow us too much at the start, we should grow into a good ball club."

Bergman is assisted by Jerry Anderson, former Brazil High School head coach and Dick Comer, a Terre Haute businessman and former Indiana State University player.

Rose Poly's cross country team, which led all Engineer athletic teams in the won-loss percentage column last season with a 5-3 record, is looking to another fine season against Indiana's leading small college competition this fall.

Coach Jim Carr is working with a nucleus of six returning lettermen and is hopeful of drawing as many as ten cross country runners from the record size freshman class.

Perhaps the hardest task will be that of filling the shoes of recent graduates Larry Lynn (Bicknell) and Larry Olsen (Louisville). Both were veterans of four campaigns, the former having been No. 1 runner the last two seasons.

Leading the returning lettermen are senior co-captains Bob Rollings and Bob Childs, both of Indianapolis; Bob Schacht, Terre Haute; Kent Schreiber, Glastonbury, Conn.; Greg Kinner, South Bend; Jack Arney, Washington; Greg Shutske, Kouts, Ind.; and Norman Miller, Paris, Ill.

Freshmen battling to move ahead of some of the returnees are Steve White and Chuck Moseman, both of Terre Haute; Charles Epstein, Forest Park, Ill.; Ken Bueg, Cincinnati; Brett Schmidli and Jim Keith, both of Indianapolis and Jay Stone of

### BASKETBALL

Nov. 19	Berea
Nov. 22	Blackburn
Nov. 27, 28, 29	at Ill. College Tournament
Dec. 5	Illinois College
Dec. 6	Principia
Dec. 16	at Stony Brook U. (N.Y.)
Dec. 17	at Pace College (N.Y.)
Dec. 18	at Monmouth College (N.J.)
Dec. 19	at C. W. Post College (N.Y.)
Jan. 7	at Wabash
Jan. 10	at Berea
Jan. 15	at Principia
Jan. 17	Centre
Jan. 24	Washington U.
Jan. 28	Indiana Central
Jan. 30, 31	Rose Invitational (Wabash, Illinois Tech, MacMurray, Rose)
Feb. 3	at Greenville
Feb. 6	Earlham
Feb. 7	at Blackburn
Feb. 11	at DePauw
Feb. 14	at Illinois College
Feb. 17	Greenville
Feb. 19	Marian
Feb. 21	Franklin U. (Home games 8:00 P.M.)

Syracuse, N.Y.

Both White and Moseman are second generation students at Rose. White is the son of John White (June, '47, M.E.), and Moseman is the son of Everett Moseman (Aug. '50, M.E.).

The hard-running Terre Haute duo, veteran Greg Shutske (on campus as a counselor for summer programs) and frosh Charles Epstein have been in training on the Rose course for more than a month and should be in good shape for the opening of the season.

Coach Carr has been in correspondence with other members of

the team and their reports about pre-season training points to a good start for the Engineer harriers.

Rose will host Marian, Hanover, Wabash and Butler, while traveling to meet Indiana Central, Franklin and DePauw teams on the road.

The season will be climaxed by Rose's appearance in the Little State Meet in Indianapolis, where the Engineers are almost certain to be among the top contenders.

### BASKETBALL

Looking ahead to basketball, the cage sport picture is very encouraging with the return of high-scoring Don Ings (Indianapolis) and running mates Tom Butwin (Seelyville), Rod Smith (Indianapolis), Barry Jenkins (Chrisman, Ill.), and D. J. Cordero (Bloomington).

Ings, who was voted all NAIA last year, needs but two games at his 27-point scoring average to break the all-time Rose scoring record of Tom Curry. Butwin averaged 16 points a game as a sophomore last season, while Jenkins, Smith and Cordero were good for between eight and 11 points respectively.

The biggest task that Rose will face will be filling the shoes of recent graduate George Shaver, the all-time rebounding king and third leading scorer in Engineer basketball history.

Big Jim Eppen, a 6-7 product from Speedway, is in line for Shaver's job. He averaged some 22 points a game his senior year, and along with 6-7 Cordero, should give opponents all kinds of trouble under the boards—the place where ball games are won or lost.



# Class Notes

'21

DR. HUBERT T. GOODMAN (Ch. E.) was elected chief health officer for the Vigo County Board of Health in July. A native of Terre Haute, Dr. Goodman has practiced medicine in Terre Haute since 1937 except for Army service during World War II, where he rose to the rank of lieutenant colonel. Following his graduation from Rose, he worked 10 years as a chemist for Bartlett-Collins Glass Plant, Sapulpa, Okla., before entering medical school at the University of Oklahoma. He fulfilled his lifetime ambition of becoming a physician in 1936 and returned to Terre Haute the following year.

'26

E. P. "ERNIE" PIFER (Ch.E.), division manager for the Indiana & Michigan Electric Company at Muncie, retired from the utility Aug. 1—just 17 days shy of 43 years of service with the company. Following a one-year stint in the steam heating department, Pifer was the first company employe to be designated a "power engineer" with the specific task of encouraging use of electric energy by area industry. Pifer later served as industrial sales supervisor for the former Marion-Muncie Division and became Muncie district manager in 1952. He had been division manager since 1963.

'28

VIRGIL E. MARTIN (E.E.), supervisor of engineering for the Indiana & Michigan Electric Company at Muncie, retired May 1 after 34 years with the utility. Martin, who joined Indiana General Service Company, an I & M predecessor, in 1935, advanced to senior engineer in 1948. He became supervising engineer for two divisions in 1954 and was elevated to the position he held at his retirement in 1963.

## Warren Haverkamp ('46) New Mayor of Glendale

Warren F. Haverkamp, a 1946 chemical engineering graduate and a member of the Centennial Development Committee, is the new mayor of Glendale, Calif., the one hundred and tenth largest city in the United States.

Haverkamp was re-elected for a second four-year term on the Glendale City Council in April, receiving the largest plurality of any candidate. He was elected mayor by the City Council. Glendale, which is located six miles north of downtown Los Angeles, has a population of 137,800 and is the fourth largest city in Los Angeles County.

Haverkamp is president of the American Institute of Maintenance and owner of the Haverkamp Investment Company, both located in Glendale. Following

graduation, Haverkamp was employed as a supervisor by the Goodyear Tire & Rubber Company and later was chief chemist for the Car-Na-Var Corporation, Brazil.



In 1950 he moved to Glendale and co-founded the Columbia Wax Company, a manufacturer of floor care products. He was a partner and Director of Research for the Columbia concern until the company was sold in 1962 to the U.S. Borax & Chemical Corp.

Haverkamp became associated with the American Institute of Maintenance in 1965 as technical editor of the National Custodian Magazine, a publication directed to custodial maintenance management. He became president of the institute last year.

Haverkamp and his wife are licensed private airplane pilots and frequently fly their own plane on cross-country business and pleasure trips.



'35

JOHN A. CUSHMAN (M.E.) has been named deputy manufacturing director for the American Viscose Division of FMC Corporation. Cushman was named a divisional vice president of the Film Operations of the American Viscose Division last year. He previously had been manager of the Marcus Hooks Pa., film plant and chief plant engineer at the Lewistown, Pa., facility.

'36

LOUIS DUENWEG (E.E.) has been appointed Administrative Assistant to Manager of Employee Relations for Detroit Edison Company. The appointment became effective Jan. 1. Duenweg formerly was Director of Training & Communication, a position he had held since 1953.

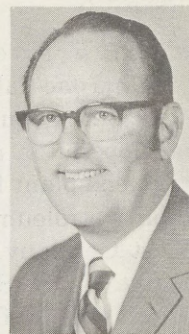
'39

JOSEPH E. ROSS (Ch.E.) has been appointed director of administration for the American Viscose Division of FMC Corporation at Philadelphia, Pa. The appointment was effective July 2. Ross formerly was manager of research and development services for the film division of FMC.

'43

HARMON E. ROSE (C.E., February) was installed as a director at large for the Indiana Society of Professional Engineers at the society's 32nd Convention and Annual Meeting at French Lick June 21. Rose is president of Construction-Engineering Service, Inc., of St. Mary-of-the-Woods, and a register professional engineer in Indiana, Ohio, Illinois and Kentucky.

RICHARD C. ELLSWORTH (M.E., October) has been elected Executive Vice President and General Manager of Tucker Manufacturing Corporation, a leading producer of plastic housewares headquartered in Leominster, Mass.



Ellsworth, who joined Tucker in December, 1967, as Director of Marketing, has spent seven years in marketing management assignments with the parent company, Hamilton Cosco, Inc., in Columbus, Ind. Prior to his association with Hamilton Cosco, he was National Sales Manager for the Portable Appliance Division of Westinghouse Electric Corporation. The Ellsworths reside at 36 Rangeley Road, Lunenburg, Mass.



HAWAIIAN HOSPITALITY - Members of the Rose alumni family who reside in Hawaii honored Dr. John A. Logan on a recent visit to the beautiful 50th state. Those in attendance at the gathering were (front row) Connie Ranada, E. E. Black ('11), Dr. Logan, Ian Yee ('85) and Janice Yee. Back row included Dr. Tetsuichi Mitsuda ('49), Curtis Yee ('65), Sylvia Yee, Melvin Izumi ('65), Sandy Davis, Joseph Power ('50), Ruth Power, Amy Mitsuda, John Loomis ('47), Rose Lo, Alfred Yee ('48), Dr. Fujio Matsuda ('49), Amy Matsuda, Donald Lo ('43) and Ben Ranada ('49).



'47

KEITH A. SUTTON (M.E., March), who recently completed a four and one-half year assignment of designing, building and putting into operation a large acetylene-ethylene plant for Deutsch Marathon Petroleum in Burghausen, West Germany, has been named Maintenance Superintendent of The Texas Refining Division of Marathon Oil Company. A 14-year veteran with Marathon, Sutton and his family moved to Texas City, Texas during the summer.

HENRY E. BROEMMELSIEK, Jr. (Ch.E., December) has joined the Research and Development department staff of Ethyl Corporation at Baton Rouge, La. Broemmelsiek, who is a senior design engineer in the process design section of the chemical engineering division, was formerly associated with the Doll Paper Company in Baton Rouge where he served as plant engineer.

'49

LESTER W. WRIGHT (E.E., July) has been made a member of the Board of Directors of Vauxhall Limited in Luton, England, according to an announcement by General Motors. His appointment to the board of the GM Overseas operation was effective Aug. 1. Earlier, Wright, a 20-year veteran with GM, had been named Director of Reliability and Quality Control for the operation in England. He joined GM as an electrical engineer for Allison Division, Indianapolis, in 1949 and was named supervisor of the Division Power Turbine Electrical Design Department in 1958. Two years later he was transferred to Buick as quality control superintendent and later was named Director of Reliability.



*BUILDING ROSE TRADITION*—Members of the Louisville Tech Club honored Rose students—including incoming freshman—at a cookout Aug. 28 at the Louisville Yacht Club. Serving as hosts for the 40-man contingent were (left to right) Henry Offutt ('22), Herman Heck ('23), Fred Wright ('62), Jim Worick (X'49), Louisville club president Vern Whitehouse ('40), and Robert Royer ('49), president of the alumni association.

CECIL O. FREEMAN (Ch.E., July) has been named General Production Manager-Chemical Products for Chas. Pfizer & Co., Inc., with responsibility for the technical and engineering aspects of the production operations at Pfizer plants in Brooklyn, N. Y.; Groton, Conn.; Milwaukee, Wis.; Greensboro, N. C.; Sidney, Neb., and Terre Haute. A native of Iowa City, Iowa, Freeman joined Pfizer upon graduation from Rose and has served in various production posts at the Vigo and Groton plants. His most recent assignment was that of Assistant Plant Manager in Terre Haute.



WAYNE E. McCOY (Ch.E., January) has left the Gibsonburg Complex of Chas Pfizer & Co., Inc., to accept as position as Chief Process Engineer of Pfizer Minerals, Pigments & Metals Division in New York City. McCoy had been director of operations at the Gibsonburg facility for four years at the time of his new assignment. Other positions with Pfizer have included shift supervisor at the Terre Haute plant, a member of the Commercial Development Department in New York and Assistant Production Manager at the East St. Louis, Ill., plant.

MICHAEL G. SCHAEFER (M.E., April), a partner in Mit-chum-Schaefer, Inc., metal fabricators of Indianapolis, has been elected president of the 1970 "500" Festival Associates, Inc. A former president of the Indianapolis Junior Chamber of Commerce, Schaefer has served on the festival board of directors eight years. He was senior vice president of the festival in May.

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*Plan to Attend  
Homecoming '69  
October 17-18*

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'54

ROBERT D. MILLER (E.E.) recently was promoted to Manager of Business and Market Development for Lockheed Electronics Company, a division of Lockheed Aircraft Corporation in Los Angeles. Miller, whose position now includes future development activities, formerly was Sales Manager for Electronic Ceramics for Lockheed.

'55

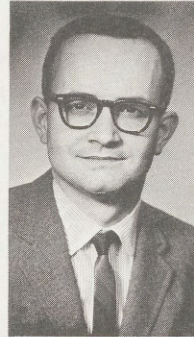
GENE M. STOKER (M.E.) has been appointed manager of utility and international sales for General Electric Company's Lighting Systems Department, Hendersonville, Ky. Stoker, who joined GE upon graduation from Rose, had been a sales engineer for the Southeast Region, Richmond, Va., for the last two and one-half years. Other former assignments include sales engineer positions at Indianapolis and Cincinnati offices, as well as assignments at Waynesboro, Va.; Schenectady, N.Y., and Pittsfield, Mass.



DON C. WOOD (Ch.E.), manager of the Firestone Tire & Rubber Company plant in Bangkok, Thailand, returned to Indiana for vacation in late June and early July. A Rotarian, the Jasonville native spoke to the Bloomfield Rotary club while on vacation. Wood, who has been head of the plant in Bangkok since it was constructed seven years ago, talked about Thailand, the plant's operation and the 39 per cent corporate profit it provides its stockholders.

'58

DR. P. T. EUBANK (Ch.E.) professor of chemical engineering at Texas A & M University, College Station, Texas, recently was awarded a Faculty Distinguished Achievement award for teaching by Texas A & M University. A plaque and check for \$1,000, made possible by Standard Oil of Indiana, were presented to Dr. Eubank at a faculty convocation on May 20. A Rose graduate of high honors distinction, he earned his Ph.D. in chemical engineering from Northwestern University in 1961.



DONALD R. WEIDNER (E.E.) has been promoted to Director of the Rate Department for Indianapolis Power and Light Company. Weidner, who joined the utility upon graduation from Rose, had been assistant director since 1965. Having earned an M.B.A. from Butler University in 1964, he had been assigned as a power salesman for his six years with Indianapolis Power and Light.

## Midland-Ross Elevates Spahr To Corporate Vice President

EDWARD O. SPAHR, a 1939 graduate in mechanical engineering, was one of five division general managers elected as corporate vice presidents of Midland - Ross Corporation July 2.



Appointed vice president and general manager of the Industrial Castings Division when the divi-

ROBERT G. SUTTON (E.E.) has moved to Public Service Indiana headquarters in Plainfield and a new position as project engineer in the Transmission Line Department. Sutton was transferred to Plainfield from the Bloomington facility where he served as Area Engineer for the Southwest Division. His new address is: 52 Mable Street, Danville, Ind. 46122.

'61

CAPTAIN FRANK T. FEUTZ (Math) has received the Air Medal for aerial achievement while serving with the U.S. Air Force in Southeast Asia. Captain Feutz, a C-130 Hercules navigator, was cited for his outstanding airmanship and courage on successful and important missions under hazardous conditions. The captain was commissioned through the Air Force Reserve Officers Training Corps program. He was presented the medal during ceremonies at Naha Air Base, Okinawa.



sion was formed in Chicago last year, Spahr held a similar position with the Capitol Foundry Division in Phoenix, Ariz., since 1963.

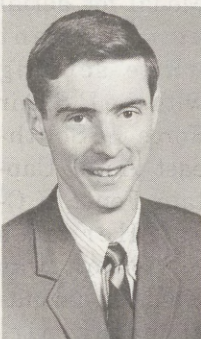
Spahr, who joined National Castings as a project engineer in 1946, was appointed to general superintendent of the Sharon, Pa., plant in 1959. He was transferred to the Melrose Park, Ill., plant as works manager in 1961 where he remained until moving to the top position with the Capitol Foundry.



GERALD NIKA (Chem.) currently is working on a Ph.D. in physical chemistry at Louisiana State University in New Orleans. The research is in shock tube kinetics. In their spare time Jerry and his wife, Barbara, enjoy "exploring" historic old New Orleans. He was associated with DeSoto Chemicals prior to entering graduate school.

'62

WILLIAM R. BROWN (Math) has left the position as Director of Dormitories and the Hulman Memorial Union at Rose Polytechnic to begin fulltime work toward a Ph.D. in psychology and educational services at Indiana State University, Terre Haute. Brown, who served as an admissions counselor at Rose from December, 1962 until assuming the director of Hulman Union in 1966, earned a master's in counseling and guidance at ISU in 1967.



## E. A. Martin Moves to New York As UNIROYAL Vice President

E. A. Martin, a 1946 graduate in chemical engineering, has been named to the position of Group Vice President of the Consumer, Industrial and Plastic Product Division of UNIROYAL, INC., in New York. The appointment was effective July 1.



Martin, who has been associated with the tire industry since graduation, was transferred to UNIROYAL's corporate office from Montreal, Que., where he

DR. JEROME HAHN (E.E.) has accepted a position as assistant professor of mathematics at Bradley University. He completed his Ph.D. at the University of Denver in 1967 and has since been a research engineer and physicist with the senior staff of the Applied Physics Laboratory of Johns Hopkins University, Silver Spring, Md. Having earned his M.S. at Rose in 1964, Dr. Hahn also has been associated with the Denver Research Institute.

'63

PAUL E. SABLA (M.E.) completed a master's in mechanical engineering from the University of Cincinnati on June 15. He is employed as a design engineer in the Aircraft Engine Group of The General Electric Company in Evendale, Ohio.

DENNIS KARWATKA (M.E.) has begun work on doctorate in engineering physics at the University of Virginia. Karwatka, who joined The Boeing Company as a design engineer upon graduation from Rose, was an instructor in the physics department at Indiana State University for two years prior to moving to Virginia and work on the doctorate.

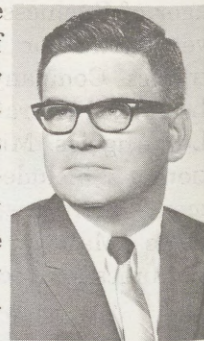
had served as president of Uniroyal Lt., since April 1965.

A native of Evansville and U.S. Coast Guard officer with the 7th Fleet during World War II, he went with the United States Rubber Co., at Mishawaka in 1947, and became manager of industrial engineering for the firm in 1953.

In 1957 he was transferred to New York as assistant general manager for Consumer Products for U.S. Rubber Co., a position he held until 1961 when he moved to Edinburgh, Scotland to become managing director of North British Rubber.

'64

JACK D. COX (C.E.) has moved from Terre Haute to Adams, Mass., to become plant engineer of the Chas. Pfizer & Co. Inc., Minerals, Pigments and Metals Division. In his new post, Cox will be responsible for plant engineering, maintenance, construction and utilities at the Adams location which manufactures lime and limestone products. Cox joined Pfizer in 1967 and served as a maintenance supervisor at the company's Vigo plant in Terre Haute. He was serving as Rose Homecoming chairman at the time of his transfer.



GEORGE I. WAGNER (E.E.) reports great times and success on several photographic safaris in Ethiopia. Wagner, who will be at the USA STRATCOM facility for Collins Radio two years in September, took 17 rolls of 35 millimeter slides and got a good collection of all big game except leopard during his vacation in March. Previous to that trip away from STRATCOM, he was called to Mauritius Island in the Indian Ocean to work on Collins equipment used in tracking in the Apollo space program. Being the closest field man in the area, Wagner went to Mauritius during the Apollo 8 shot. To quote Wagner, "It was a great way to spend Christmas away from home."

ROBERT N. COLTHARP (Chem.), completed his Ph.D. at the University of Florida in March and stayed on a Post-doctoral Fellow until June when he entered the U.S. Army as a lieutenant. Following nine weeks at Ft. Belvoir, he will have a new assignment not yet announced.

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EDWARD K. DOWNEY (C.E.) has moved to the position of Labor Relations Representative with the Packard Electric Division of General Motors in Warren, Ohio. In addition to his duties at Packard, Downey is attending law school at Akron University, having recently completed the first year of the four-year night law program. His new address is: 1446 Drexel Avenue, Warren, Ohio 44485.

## '65

FREDERICK N. MCKEE (Ch. E.) has joined Texas Instruments in Dallas as a manufacturing and research and development engineer in the firm's Government Products Division. He joined the organization in June. McKee formerly was a quality control engineer for the General Products Division of Ford Motor Company in Ypsilanti, Mich., having left Ford upon the completion of a master's degree in mechanical engineering at the University of Michigan in December, 1968. He plans to continue graduate work in mechanical engineering at Southern Methodist University.

Lt. (jg) RICHARD D. SWAN (M.E.) is currently serving as Resident Officers in Charge of Construction for the Nakorn Phanom Royal Thai Air Force Base in Thailand. He was commissioned in the Navy in July, 1967, after nearly two years service as a petroleum engineer with Humble Oil Company.

JERRY L. MASSA (Chem.) has moved from Uniroyal to the Wirekraft Division of MSP Industries in South Bend where he is chief chemist. His work is primarily in plastics. In addition to his professional activities, Massa has worked in Junior Achievement and is a Boy Scout Commissioner. His current address is: 54702 Northern Avenue, South Bend, Ind. 46635.

## '66

JEFF KEELER (E.E.) completed a two-year tour of duty with the U.S. Army in July and currently is touring Europe with his new bride, the former Lorna Carrothers, Ottawa, Canada. Following the ten-week tour, Keeler will report to Bell Laboratories, Holmdel, N. J. in October where he will be a member of the technical staff. During his tour of duty with the Army, he worked at the NASA research center at Moffett Field, California, in the area of deep space telemetry. Keeler, who went with Bell Labs upon graduation, spent his first year out of Rose working on a master's degree in electrical engineering at Stanford University.

JAMES W. LANE (C.E.) completed a tour of duty with the U.S. Army Corps of Engineers in the spring and has returned to Procter & Gamble in Iowa City. He currently is in charge of the Head and Shoulders Group in charge of 35 employes. Lane plans to begin work on an M.B.A. in night study at the University of Iowa this fall.

ROBERT G. KEVORKIAN (C.E.) has accepted a position as field engineer for Turner Construction Company, Boston, Mass. Kevorkian formerly was associated with the Pittsburgh Plate Glass Company as a design engineer. His new address is: 15 Sturges Street, Medford, Mass. 02155.

STEPHEN WINDLER (M.E.) has left McDonnell Aircraft for an engineering position with the Pearl Harbor Naval Shipyard in Honolulu. Windler, who went with McDonnell upon graduation, made the employment change in May.

BRUCE L. JOHNS (Ch.E.), who is currently working as a process engineer for PPG Industries subsidiary Sherbro Minerals in Sierra Leone, West Africa, returned to the Rose campus in June to check on the master's program in biological engineering. Johns has been at the Sierra Leone facility for 15 months and plans to return to the United States and Rose early next year to begin work on the master's as a step to medical school. Johns spent his first year and one-half with PPG at the company's facility in Barberton, Ohio.

## '67

BRYAN CARTER (M.E.) has taken a position as plant engineer in the Factory Planning and Material Handling Department of Western Electric Company in Indianapolis. Carter formerly was a development engineer for Inland Steel Container Company, Chicago, since graduation.

LAWRENCE E. DUVALL (Physics) was promoted to Army first lieutenant May 20 near Vinh Long, Vietnam, while serving with the 36th engineer battalion. Lt. Duvall, who is a property book officer with the battalion, received his commission through the Reserve Officers' Training Corps at Rose and entered the Army in May, 1968.

JOHN T. BRAY (Chem.) has completed an M.A. in chemical oceanography at Johns Hopkins University and is continuing graduate study toward the Ph.D. His research interests involve shipboard methods for low level detection in 500 part per billion range or less and ion-exchange characteristics of Chesapeake Bay sediments. His current address is: 922 Belgran Avenue, Apt. 3-13, Baltimore, Md. 21218



LARRY G. SPROUSE (Ch.E.) is stationed at Qui Nhon, Vietnam, (Camp Granite) where he is assigned as a base development officer for the 593rd ground support group. Sprouse, who was commissioned as a second lieutenant through the Reserve Officers Training Corps at Rose, spend one year at Fort Belvoir, Virginia, before being assigned to Vietnam.

'68

GARY E. MITCHELL (M.E.) has been named an associate performance engineer in the naval nuclear components department at The Babcock & Wilcox Company's power generation division headquarters at Barberton, Ohio. Mitchell joined B & W as a student engineer following his graduation from Rose.



LARRY G. ANDERSON (Chem.) has completed one year of study toward a Ph.D. at Indiana University. He has made a number of visits to the campus, including one which brought his research director to Rose for a seminar arranged by the Student Affiliates. Prior to entering graduate school, Anderson worked for DuPont.

2nd Lt. DONALD E. BAKER (C.E.) is serving as post engineer with the U.S. Army Corps of Engineers in Giessen, Germany. The assignment entails responsibility for all buildings and approximately 2,000 acres of grounds and roads, etc. His current address is: USAENGDIST-EUR, Hesse, APO, New York, 09169.

WILLIAM W. CURE (M.E.) has been commissioned as a second lieutenant in the U.S. Air Force upon graduation from Officer Training School at Lackland AFB, Texas. Lieutenant Cure, selected for OTS through competitive examination, has been assigned to Vance Air Force Base, Oklahoma, for pilot training. While at Rose he was a member of Lambda Chi Alpha and Tau Beta Pi.



RALPH O. WISCO (Chem.) currently is serving as a second lieutenant in the U.S. Army at Ft. McClellan, Alabama. Wisco is currently Custodian of the Ft. McClellan Central Post Fund which he reports is quite challenging since he will manage and budget approximately \$350,000 annually.

DAVID PORAT (E. E.) has completed one year of work toward a Ph.D. at Northeastern University, Boston, Mass. His current address is: 45 Englewood Avenue, Brookline, Mass. 02146.

'69

MICHAEL HADDAD (Ch.E.) was commissioned a second lieutenant in the U.S. Army during ceremonies marking the conclusion of six weeks Reserve Officers' Training Corps (ROTC) summer camp at Ft. Riley, Kansas, in August.



## In Memoriam

'02

ROBERT C. WARREN (Ch.E.), formerly with Arkansas Power and Light Company, Aug. 25 in Benton, Ark.

'05

OSCAR F. REYNOLDS (Ch.E.), formerly associated with the Sales Promotion Department of Socony Vacuum Oil Company, June 4 in Seattle, Wash.

'10

JAMES T. SUTLIFF (M.E.), formerly associated with Roots Blower Company, Connersville, (Notification of death, Sept. 3, 1969).

'14

MARION W. STOMS (M.E.), retired sales engineer for the Frick Company of Chicago, July 20 in Chicago.

'19

CHARLES R. E. WESSEL (M.E.), formerly associated with Royer and Roger, Inc., Columbus, Ohio, July 24, in Columbus.

'21

FREDERICK R. OWENS (Ch.E.), formerly chairman of the board of Cyrus Wm. Rice Co., of Pittsburgh, July 12 in Pittsburgh.

'23

BUFORD W. TYLER (Ch.E.), retired vice president of Operations for the New York, New Haven and Hartford Railroad, Aug. 30 in Terre Haute.

'29

E. SHELDON JOHONNOTT (M.E.), Engineering Department of Commercial Solvents Corporation, Aug. 16, in Terre Haute.



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