

12-1967

Volume VI - Issue 9 - December, 1967

Echoes Staff

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Recommended Citation

Staff, Echoes, "Volume VI - Issue 9 - December, 1967" (1967). *Rose Echoes*. 101.
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December 1967

ROSE ECHOES

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ROSE POLYTECHNIC INSTITUTE

ALUMNI MAGAZINE



President

Adam K. Grafe, '25

Vice President

Robert L. Royer, April '49

Secretary Treasurer

Anthony G. Blake, '31

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BOARD OF MANAGERS

ALUMNI MEMBERS

1964-68

Carl R. Wischmeyer, '37

1966-70

Russell E. Archer, Sr., '34

DECEMBER 1967

VOL. VI, NO. 9

Published February, April, June, August, October and December by Rose Polytechnic Institute at Terre Haute, Ind. 47803. Second class postage paid at Terre Haute, Ind. Acceptance for mailing at special rate of postage provided for in section 1103, Act of October 3, 1917, authorized December 13, 1918.



Greetings To All Rose Alumni

Our last Homecoming was a great success. The Annual Alumni Meeting was spicy and several of the Alumni politicians made many interesting comments. If you do not come to Homecoming next year, you will miss a treat in more ways than one—so plan to be there. It will be the reunion dates for classes whose numerals end in 3 and 8. Contact your classmates and arrange a fine reunion. R. L. Royer, April '49, is your new Vice President and he will take over as President for 68-69.

The Alumni Dinner was again held in beautiful Hulman Memorial Union, which seems to me the appropriate setting for this activity. The food was good, the service attractively dispensed (by college girls, not RPI coeds) and the entertainment delightful. All in all, it was one of those affairs which keeps our Alumni spirit high and our interest in Rose increasing day by day.

You will be informed of Alumni plans for the coming year so make it a point to participate actively in Alumni affairs in future years.

The Board of Managers, Dr. Logan and the Faculty have the Institute running smoothly, and are approaching the goal of 1000 students with ample facilities to provide each student with the necessary instruction and attention.

I wish all of you a great year in 1968.

Adam Grafe

President, Rose
Alumni Association

ADAM GRAFE, '25, took office as President of the Rose Alumni Association at Homecoming on November 4th. He is Chairman of the Board of Fowler & Grafe, Inc., Dallas, Texas; President, Adam K. Grafe Associates, Inc., Lexington, Kentucky, and President of the AKG Oil Company. He is a registered Professional Engineer in Arkansas, Arizona, Colorado, Kentucky, Louisiana, Montana, Nebraska, New Mexico, Oklahoma, South Dakota, Tennessee, Texas, Virginia and West Virginia, and is listed in "Who's Who in the South and Southwest."

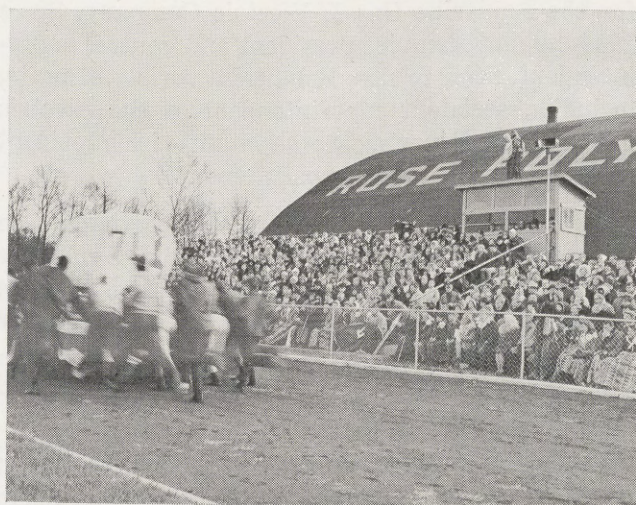
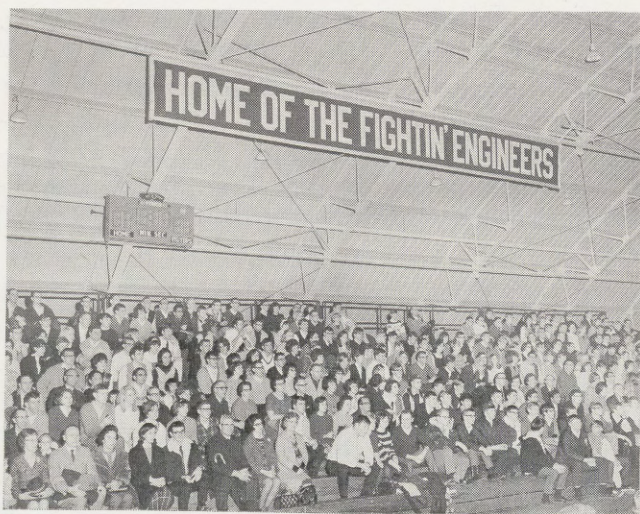


HOMECOMING '67

Homecoming at Rose, celebrated this year on November 3rd and 4th, was busy and entertaining for the returning alumni and the students. The activities were kicked off on Thursday evening with a concert by the New Christy Minstrels, in the Field House.

Friday morning the Alumni Institute, on Systems Engineering, was held at Hulman Union. Sessions were led by Doctor Dennis Sapp, Dr. Robert Arthur and Professor Herman Moench of Rose, and Dr. William C. Perkins, Rose '60, now Assistant Professor of Quantitative Business Analysis at Indiana University. After lunch, Dr. Donald Mighell, Assistant Dean of Men at Indiana State University talked on "Community—A Systems Analysis." Acting as Chairman of the Institute was Howard Irvin, Feb. '43, Chairman of the Committee on Continuing Education of the Association.

On Friday evening reunion dinners were held in various locations in Terre Haute (see table below). The pep rally and crowning of the Queen, Miss Darlene Wagner, ISU, was held on the campus, to the light of the traditional bonfire.



Saturday's activities began with the initial meeting of the new club of Rose alumni, the "Tuskers" for breakfast at Hulman Union. The annual meeting of the Alumni Association opened in the Main Building at 9:00 A.M. and completed several important items before noon. Following that, a family luncheon was served at Hulman Union, in time for the game against St. Procopius. Adding to Homecoming pleasure was the victory of Rose, 41-7. During the half, the large audience was entertained by the Rose Band, and the Rose Rifles.

The Wabash Valley Rose Tech Club hosted an alumni hospitality hour following the game at the Old Student Center. The banquet, at Hulman Union, was attended by alumni and their wives, and was a very pleasant conclusion to the week-end. An hour's entertainment followed dinner, with a brief talk by the Coach, Dick Martin, and a banjo player. Finally, the Homecoming Dance was the end of the week-end, with two orchestras, one in the Grill and one in the Main Dining Room of Hulman Memorial Union.

1968 HOMECOMING NOV. 8-9

ROYER ELECTED VICE PRES.

Robert L. Royer, the new vice president of the Alumni Association, was graduated from Rose in April 1949. He was a member of Theta Xi, Tau Beta Pi and Blue Key fraternities.

A native of Louisville, Kentucky, Bob returned to his hometown upon graduation and went to work for the Louisville Gas & Electric Company. Since 1964, he has been vice president and general superintendent. Prior to this, Bob held a variety of posts, including assistant superintendent of the Electric Distribution Department; assistant vice president and assistant general superintendent.

Bob also finds time to actively participate in community affairs. In addition to being a member of the Downtown Optimist Club of Louisville, he serves on the Executive Board of the Old Kentucky Home Council, Boy Scouts of America, and is district chairman of the Institute of Electrical and Electronics Engineers.

He and his wife, the former Carol Pierce of Terre Haute, reside at 4014 Norbourne Boulevard in Louisville. They have two boys and one girl; Todd Pierce, 9; Robert Douglas, 7; and Jenifer Lea, 14.

Rose Board of Managers

Forrest Sherer and Raymond E. Crandall were elected to the Rose Polytechnic Board of Managers in the organization's regular meeting Nov. 3, 1967. Sherer is president of the Forrest Sherer Agency in Terre Haute. Crandall is vice president of biochemical and biological operations and a member of the board of directors of Eli Lilly and Co. in Indianapolis.

Dr. Henry Y. Offutt '22, former chairman of the board of the Kentucky Trust Co., Louisville, was re-elected chairman of the board. Other elected officers were Benjamin G. Cox, Terre Haute attorney, as vice chairman; Walter T. Osmer '20, of the Equitable Life Assurance Society of the U.S., Terre Haute, as secretary of the board, and John

T. Royse, president of the Merchants National Bank of Terre Haute, as treasurer.

TUSKER'S

The first Homecoming Alumni R Men's Breakfast was held November 4th this year and was a huge success. Forty-seven former athletes attended and appeared to be quite enthusiastic over the new organization. Many more were back for Homecoming; however, due to brain damage incurred at the Friday night parties several well intentioned men didn't quite make it.

The organization is off the ground. Jim Matthews '54 was elected President, Duane Wood '64, Vice-President, and Ed Delporte '65, Secretary Treasurer. The aim and objectives of the new association were formerly adopted. Rose has approximately 750 former athletes.

Basketball 1967-68

The basketball team is presently 10-1. The team opened with 7 straight wins (including the Championship of the 8 team Greenville tourney over Thanksgiving) before bowing to Wabash 97-90 in the finals of the first Rose Invitational Tourney. The 67-68 Engineers are quick and have experience and depth which has been lacking in previous seasons. Rose also has an excellent freshman group.

The team had an excellent trip to New York. They went in style. George Hadley '29, of Louisville, picked up the tab for jet transportation for the team. Rose won both games in New York, beating Queens College 96 to 91 and Brooklyn Poly 99-71. The team stayed in New York over the weekend and saw a Broadway play, visited the United Nations, and generally toured the city.

Their first game after Christmas was won over tough Kenyon College of Ohio, considered to be the best small college team in Ohio. Rose won 87-86. The Fightin' Engineers are averaging 95.6 per game.

1967 REUNIONS

Year	Chairman	Place
1917	Henry C. Gray	Tucker's
1922	Sterling H. Pittman	Terre Haute House
1927	Ben Wilson	Terre Haute House
1932	Fred Bogardus	Tucker's
1937	Ed Wodicka	Tucker's
1942	Gene McConnell Harold Bowsher	Jimmy Adami's
1947	Ralph Dinkel J. R. White (March) Paul Benning J. R. White (June) Tom Duwelius	Saratoga
1952	Tom Grinslade	Albert Pick Motel
1957	Charles Kallis	Louise's
1962	Vern Fellows	Louise's

Reunion pictures may be purchased at \$1.50 each, delivered, from Richard Bruce, 1126 S. 20th, Terre Haute, Indiana.



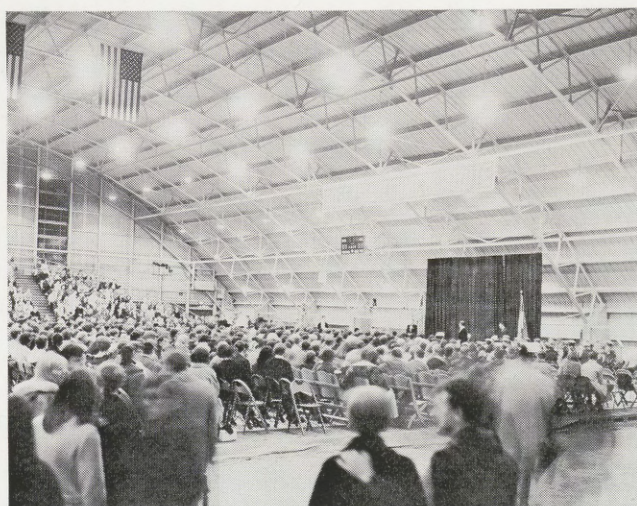
Class of 1962



Class of 1947



Class of 1932



Everybody Yell.



Fraternity Decorations



Class of 1917



Class of 1937



Saturday Lunch



Class of 1952



Annual Banquet



Class of 1927



Class of 1922



Class of 1957



Nuts, Bolts, Screws, Gears

MINUTES OF MEETING OF
ROSE POLYTECHNIC INSTITUTE
ALUMNI ASSOCIATION

November 4, 1967

The meeting was called to order by President Dewitt Cromwell at 9:30 A.M. on November 4, 1967. The place was the auditorium at Rose.

The minutes of the 1966 meeting were approved as published in the Fall-Winter Rose Echoes.

President Cromwell called on John M. Rotz of the Class of 1906, as the representative of the earliest graduating class present, to move that the Class of 1967 be admitted to the Alumni Association. Motion made, seconded and carried.

President Cromwell then called on Carl Ehrenhardt, '30, for a report on the Alumni Fund for 1967-68. In October 1967 a letter over Dr. Logan's signature was sent out to all alumni, starting this 1967-68 fund drive. Thus far 600 replies have been received and the results are encouraging. Pledges at this early date amount to approximately \$13,000.00. Mr. Ehrenhardt made a plea to the group present to continue the good work.

President Cromwell then called on Anthony G. Blake, '31, Secretary-Treasurer of the Association, to read a report from Joseph W. Dreher, '41. Mr. Dreher is chairman of the Rose Tech Club Committee. Mr. Dreher submitted these recommendations:

- 1—Proposed constitution for Rose Tech Clubs be adopted.
- 2—Manual of suggestions for Rose Tech Club officers be revised and reissued. This Manual has been issued.

President Cromwell then called for a motion to accept the constitution as proposed. Motion was made, seconded and carried.

The President then called on Mr. Blake to read a report from Mr. Howard Irvin, Feb. '43. Mr. Irvin is chairman of the Committee on Continuing Education. Mr. Irvin's comments were directed to the Alumni Institute on Systems Engineering which was held on November 3, 1967. Mr. Irvin said that while attendance was small, the interest in the program was excellent. Mr. Irvin suggests continuation of the program.

President Cromwell then called on Dr. Fred Bogardus, '32, to report on his special assignment of revising certain sections of the Constitution and By-Laws. Dr. Bogardus reported first on the opinion poll concerning the annual banquet which was sent to all alumni. The results were as follows:

	No charge	Reduced charge	Full charge
Board of Managers	225	65	130
Entire faculty	80	172	168
New faculty	157	77	102
Officers of Association	180	71	150
Commencement speaker	361	12	48
Fifty-year members	222	12	97
Senior class	126	188	108
Press, radio, TV	251	35	112

Should wives be invited to banquet?

Yes - 261 No - 155

Should banquet be at

Terre Haute House - 159

Hulman Memorial Union - 226

After considerable discussion, it was moved that guests at the banquet as outlined in the By-Laws be invited at no charge, but that no money be refunded for students who paid in 1967. Motion seconded and carried. This means that wives will not be invited to the banquet.

In the Rose Echoes of August, 1967, an amendment to Article VIII of the By-Laws was presented. It is as follows: "These rules may be amended by a two-thirds vote of the members present at a stated meeting or by letter ballot by a two-thirds majority of returned ballots." The adoption of this amendment was moved, seconded, and carried.

Mr. Russell Archer, '34, an Alumni Representative on the Board of Managers, gave a report on Board actions during the preceding year. He discussed quality of students, fraternities on campus, enrollment, and placement, among other subjects.

Dr. John Logan then addressed the alumni present. His talk is printed elsewhere in this publication.

The next item of business was the report on amendments to the Constitution, Article III, Section 2, and other Articles. The ballot had been sent out following publication in the Rose Echoes. Results were as follows:

"All Rose graduates become members of the Association immediately upon graduation."

Yes - 307 No - 10 Passed.

"Non-graduates of Rose who have attended Rose for at least one academic year and leave in good standing shall become members of the Association."

Yes - 239 No - 192 Defeated.

"Nominating Committee. The five living immediate past presidents of the Association shall constitute the Nominating Committee. The Director for Development of the Institute shall be a member of the committee ex officio, and without vote."

Yes - 401 No - 22 Passed.

"Awards and Recognition. This committee shall review and make recommendations to the Executive Committee of the Association concerning all awards, honors, and recognitions to be conferred by the Association."

Yes - 416 No - 7 Passed.

"Homecoming Committee. The President of the Wabash Valley Rose Tech Club shall be chairman of this committee. The President, Vice-President, and Secretary-Treasurer of the Association and the President of the Institute shall be ex officio members of this committee. Additional members may be appointed at the discretion of the chairman. This committee shall plan and coordinate all alumni activities at the annual Homecoming."

Yes - 404 No - 22 Passed.

"According to the rules of the Board of Managers, any three graduates may nominate a graduate of the Institute to be a candidate for an honorary degree to be conferred by Rose Polytechnic Institute."

Yes - 374 No - 40 Passed.

"Annual Business Meeting. The annual business meeting shall be held on such date and at such time and place on the campus of Rose Polytechnic Institute as the Executive Committee shall designate. A banquet shall be held each year on the day of the annual business meeting at such hour and place as the Executive Committee shall designate."

Yes - 413 No - 4 Passed.

Amendment to By-Laws. "Amendments. These rules may be amended by a two-thirds vote of the members present at a stated meeting, or by letter ballot by a vote of two-thirds of the returned ballots."

Yes - 394 No - 30 Passed.

Dr. Herbert Bailey, '45, announced a memorial fund for Dr. Sousley, and asked for contributions to it.

The names of those alumni who had died during the past year were read and a moment of silence was observed.

The Secretary reported that the vote for Vice-President for 1967-68 was won by Robert L. Royer, April 1949.

Mr. Henry Offutt, '22, gave the report of the Nominating Committee:

For Alumni Representative on the Board of Managers:

William F. Lisman, '24
Robert S. Kahn, '39
Fred W. Garry, '51

For Vice-President of the Association:

Edward F. Rickelman, '25
Robert T. Mees, '31

The honorarium for the Secretary-Treasurer of the Association in the amount of \$300 was granted.

The three men receiving honorary degrees during the past year were elected to membership in the Association: Benjamin Blumberg, Kurt F. Pantzer, and Alan C. Rankin.

After several announcements, the meeting was adjourned.

Respectfully submitted,

Anthony G. Blake, '31
Secretary-Treasurer

Silverstein Wins Honors



If the years of Dr. Abe Silverstein's work were plotted in a graph against his successes, it would show a rapidly ascending record of progress which has been recognized throughout the engineering and scientific world as outstanding.

From the time of his graduation from Rose in 1929 with a degree in Mechanical Engineering to his directorship of the Lewis Research Center of the National Aeronautics and Space Administration in Cleveland, Dr. Silverstein's recognition by noted societies and educational institutions has grown.

A member of the International Academy of Astronautics, he is also a Fellow of the American Institute of Aeronautics and Astronautics, the American Astronautical Society and the Royal Aeronautical Society.

The academic world has honored him with an M.E. degree from Rose in 1934, an honorary Engineering degree from the Case Institute of Technology in 1958, an honorary Sc.D. degree from his alma mater in 1959, and an honorary L.H.D. by Yeshiva University in 1960.

Now Silverstein has won two more national awards which he especially treasures, for, as he says, "there is much satisfaction in receiving an award which is really recognition by your peers of your work with your group."

First, in April, he was chosen for membership in the National Academy of Engineering, one of

only 188 in the nation who belong to the small, select group.

Second, in October, Dr. Silverstein was chosen by his peers in the American Institute of Aeronautics and Astronautics for the exceptional honor of receiving the \$5,000 Louis W. Hill Space Transportation Award "for developing the free world's first space flights and for developing liquid hydrogen rocket fuel." The tenth winner of the award, begun in 1958, Dr. Silverstein also bears the distinction of having won the award previously.

To those who know the Rose graduate, such new honors are not unexpected. His course was determined early in life.

The urge to be a perfectionist can probably be traced back to his boyhood in Terre Haute where he attended grammar and high schools and his college years at Rose Polytechnic. According to a New York Times story, if he came home with just a 95 on a mathematics examination, he used to meet with disapproval from his mother who, as he fondly recalled, "was somewhat of a perfectionist." The drive for perfection has carried through the career of Silverstein who insists on passing on every detail and will not sign a paper until he understands and approves it.

After graduation from Rose, Dr. Silverstein went to work as a \$2,000-a-year junior engineer with the National Advisory Committee for Aeronautics, the predecessor of the space agency. During the 1930's, he was at the committee's Langley (Va.) Aeronautical Laboratory where he directed wind-tunnel research that resulted in higher speed performance for combat planes used during World War II.

In the middle of the war, he was transferred to the Lewis Laboratory in Cleveland where he directed research with an altitude wind tunnel. In 1952, he was appointed associate director of the laboratory and was named director of the Lewis Research Center in 1961.

His hard-driving character and technical knowledge led Dr. Hugh Dryden, then head of the National Advisory Committee for Aeronautics, to choose Silverstein as head of the technical side of the space exploration program when the Space

(Continued on Page 14)

President's Report At Annual Meeting

I think today finds Rose at an all-time high in many respects; in terms of enrollment we are at 950 full-time students. We are up to 975 or so if you count some of our graduate students at Crane Ordnance Laboratory down at the Navy establishment, but on the campus, for whom we have to provide housing, we have about 950—give or take two or three—full-time students.

The quality of the students is at an all-time high. I've mentioned this before. We have been rated nationally by the Science Research Associates of Chicago, and our student body ranks among the top twenty in the nation. We are about the same as Cornell and Dartmouth, somewhat behind Harvard and Yale, a little behind M.I.T. and Cal. Tech. but far ahead of most other schools in the country. We are the best in the four-state area: Indiana, Missouri, Kentucky and Illinois. The quality of the student body has been steadily increasing and, as I say, I think today we have the finest undergraduate body in terms of academic accomplishments of any that we have ever had. I think, too, that the faculty is perhaps as fine a faculty as we have ever had. We have added several new men this past year. Although the student-faculty ratio has been increasing—perhaps when some of you were here, it might have been as low as 8 or 9 or 10 to 1—it is now up around 18 to 1. Now we recognize that this isn't altogether a virtue, but being a private college, we have to operate as efficiently and effectively as possible. We can increase salaries only if we can make efficiencies in operation, and we are taking steps, of course, to make sure that the quality of the teaching improves rather than de-

teriorates, and actually we will be shooting for a student-faculty ratio of 20 to 1 at the peak of our operations.

Although things look good from the point of view of numbers and quality, Rose, in common with all private colleges and universities, is facing this so-called "plight of the private college." You have been reading about this in *Fortune*, in *News Week* and in *U.S. News and World Reports*, and in *Time*. This is a serious problem and stems partly from the tremendous and dramatic growth of the great state institutions, not only on their own campuses, but regional campuses and the community college concept. When we started out here to raise our enrollment—to double our enrollment, some six years ago, it seemed that all we would have to do was simply name the number of students we wanted, and then go out and get them. But since that time, of course, there has been the growth of institutions like the University of Illinois in Chicago, the University of Missouri in Kansas City and St. Louis, Cleveland State College in Cleveland, and all of the regional campuses of Indiana and Purdue throughout the state, so that there are now more and more institutions to provide for this increasing number of students. An added problem is that though Indiana and Purdue and Illinois and Ohio State and these other great state institutions scream about the problem they have in providing space for this burgeoning number of students, nevertheless we find that they are our roughest competitors when it comes to recruiting. They not only want more students; they want better students, and they offer scholarships and incentives. Everywhere we turn, we find that they are there ahead of us, with larger numbers of people trying to incite the students to come to their institutions. And so there is this difficulty in recruiting and we are faced with an increasing problem in filling our freshman class. However, Paul Headdy and his group have been successful not only in numbers but in quality, and so far things look good, look rosy in this respect.

In fact, our problem right now is not students, it's space. We are bursting at the seams; we had to turn away forty students this year from campus housing; we couldn't provide campus housing. This is a problem because more and more parents want their sons on the campus. They feel that the study there is more effective, that it can be more efficient, and they are insisting that if their sons come



to Rose, they want them on the campus. So we are faced with a housing problem.

We have been successfully able to double the enrollment in this building by modifications, remodeling, by cutting out a good deal of the old building as you knew it, and remodernizing it—new classrooms, new laboratories and new offices. Here again we're running into a traffic problem and there is a limit to the numbers which we can handle effectively here in the building.

The problems then, are large, even though things look rosy now. Though we are moving ahead effectively, there is this plight of the private college which faces Rose squarely. And this plight really boils down to three essential problems. One is the problem of housekeeping—it is more and more difficult to find the money needed for such mundane matters as sewage treatment, parking, roads, and roof repairs; the things which have to be done to keep the college operating effectively, but which don't have very much appeal to any one when you are trying to raise funds.

The second and perhaps the most important problem is that of operating costs. Faculty salaries are going up every year around $7\frac{1}{2}\%$, as a matter of fact; total costs go up about 10% a year. Although we try to match this at least partially by raising additional funds from the alumni, from business, from industry, our main source of revenue in the past has been tuition. Now we're going up to \$1,650 come next September. We will hold that for at least two years, but the problem that faces us in the administration and on the Board of Managers is just how much we can go without pricing ourselves out of the market. We are in competition, whether we like it or not, with Purdue and Illinois and Ohio State and Minnesota, and other state universities. Now their costs are going up, but much more slowly, and it becomes a serious issue to a parent whether or not he can afford to send his son to a school like Rose or like Earlham or Wabash or Hanover or DePauw in face of the differential in cost between the private school and the public school. We are confident that we have the difference in quality and in program to offer, but nevertheless it becomes a problem as to how high we can go without pricing ourselves out of the market.

And the third is simply the one of capital costs. That is, we are going to have to provide very shortly additional funds for more residential accommodations and for more dormitory space before too long. The Board of Managers at its meeting yesterday did approve in principle the idea of pro-

viding land on the campus for the fraternities to move out. We're not insisting the fraternities move out; we're not putting any pressure on them at all. But I think they recognize that their quality, the quality of their old housing, is deteriorating and that there are definite advantages in being near the campus when it comes to taking part in all the varied activities of the college, and simply in the effectiveness, and the efficiency of study habits.

The Board of Managers, recognizing the problems which we are facing, had a special meeting on October 9th to review philosophy, plans, goals, objectives of the institution. This meeting, called by Henry Offutt, was one of the most successful meetings I've attended. It was devoted entirely to these problems; there were no side issues or the financing. Although financing obviously enters the picture, we were not interested in the mundane housekeeping operations, we were talking essentially about the problem that Rose faces—what are we going to do about it? Where are we going to go as far as the future is concerned? And I am happy to relate that, although there were no actions taken, it was essentially an input kind of meeting where we were providing information for the faculty and for the administration. There were consensus taken, which I think were very important. Now at this meeting, in addition to the Board of Managers, we had in attendance the Commission on Academic Development, which is the faculty group concerned with goals, objectives and plans. We had three outstanding consultants from outside of Terre Haute, Robert Nelson, Vice President of I.I.T.; Newman Hall, the Executive Director of the Commission on Engineering Education, and Bill Kimble, formerly the Dean of Engineering at Dartmouth and now a Vice President of the American Society of Civil Engineers. Following an all-day discussion,



Alumni Institute

I think that the general consensus was that the Board reaffirmed our objective of first quality, the outstanding undergraduate program in science and engineering in the nation. I feel that this, although we are good now, we have not perhaps been nationally recognized as well as we should, and they feel we should still make every effort to try to achieve this distinction. We are, therefore, directed, as far as consensus is concerned, to bend every effort to continuing for quality in undergraduate education.

Now this means quality teaching, quality instruction. It means our continuing concern for the individual, providing the kind of education for which Rose has been famous for almost one hundred years.

When it came to discussing enrollment, the feeling was that enrollment was not of vital importance, that it should play a secondary role to the achieving of our primary objective, and that the enrollment would have to develop wherever it happened to fall, depending on how important this was to achieving our primary objective of excellence in undergraduate education.

However, I think there was also general consensus that we couldn't simply stand still and pedal, coast, that we had to move ahead dynamically. They recognize that an important part, an integral part of our ongoing program is this new Systems Information and Design Facility, which is a new kind of library, a new kind of laboratory, a new kind of classroom facility, which would be unique in all of the country, which has been partially designed, preliminarily designed, by Perkins and Will, which is an integral part of our ongoing program.

We discussed graduate programs pretty thoroughly, and here again the feeling was that graduate programs should take second place, should take second priority to undergraduate education. We recognize the importance to the faculty that there be research and graduate study going on. We do have a modest master's program now, and this will undoubtedly increase. The question of the Ph.D. program is one which we are working on. We would like to have a Ph.D. program, but we recognize that we cannot compete effectively with Illinois and Purdue; that if we are going to have a Ph.D. program, it has to have some special characteristic which will make it possible for us to develop the program without costs which would be prohibitive.

In general, then, the Board of Managers, I think, endorses the program that we have been following. I feel that it is good. We have by no means achieved

our objective; we still are on our way, but they assured us that they would lend their support to this program. Obviously, if we are going to have a program of this kind, it's going to require additional money, and this is perhaps our number one problem. The plight of the private university is financing. As you know, we have re-initiated the Alumni campaign and the initial returns are good. We plead for your continued support of this program, which was suspended temporarily while we conducted our capital funds drive. We are going to have to initiate again a new capital funds program if we are going to develop our Systems Information and Design Facility. We are going to have to try to find funds, either from governmental sources or elsewhere, for these important housekeeping expenses. We are going to have to give serious consideration during the next few weeks to requests from fraternities for space on the campus, for lots for their new fraternity houses. This is a problem which has been turned over to the Fraternity Committee and Executive Committee, and one which we are going to have to deal with very urgently because one of the fraternities, namely A.T.O., has moved quite rapidly in designing a new fraternity house, in getting bids and arranging for the financing. I think they are really in a position now where they are making a request to the college and we are going to have to respond one way or the other very shortly.

As of today, then, I think I can speak to you with some confidence in the results which have been achieved, but with some trepidation as we face the increasing problems of finance in the years ahead, and hope that you will all be understanding and sympathetic and helpful when it comes time to try to provide the money, which we need to try to carry out the program which has been undertaken. There is an important problem facing all private colleges. I think Rose faces this problem, perhaps in a stronger position than most. We have a fairly substantial endowment; we have had some of the finest alumni support of any school in the nation, and so we look forward to the future with confidence, although we recognize that there are rocks and shoals ahead. We are going to have to operate as efficiently as possible; we are going to have to pay attention to administrative costs, to rising costs as far as operations are concerned, but with your help and sympathy, we will continue to move ahead to achieve our goal of national recognition as the finest undergraduate program in science and engineering anywhere in the nation, which means, as far as I am concerned, anywhere in the world.

UNBELIEVABLE!

"Unbelievable!" That was the reaction of Byron MacNabb '32, a veteran of nine years in the United States space effort to the launching of America's first Saturn 5 super-rocket at Cape Kennedy this fall.

MacNabb, a Rose alumnus who also received an honorary Master of Engineering degree from the Institute in 1964, was at Cape Canaveral "as a spectator, a very interested spectator," after taking an active part in many previous launchings. In his televised report of the launching, Walter Cronkite talked briefly with MacNabb, as one of the group there who has played an important part in the whole program of launchings.

"The whole thing was unbelievable," MacNabb said in a telephone interview with a representative of Rose. "It went off on time after a countdown that went like clockwork." "Considering the size of the Saturn 5 (363 feet tall) its weight (6-million pounds), and knowing that it was boosted off the pad by around $7\frac{1}{2}$ -million pounds of thrust, it was a terrific sight."

The Rose alumnus, who is manager of test and operations for the General Electric Space Division Voyager Project, had more than the normal spectator's interest in the success of the Saturn 5. The Voyager Project will use the huge rocket for its unmanned space flights to Venus and Mars.

(Continued from Page 10)

Administration was established in October, 1958.

Since that time, he has been the principal person responsible for the program to explore the new realm of space. As director of the space flight programs of the Space Administration, he was in charge of planning space flights from unmanned satellites to probes deep into interplanetary space.

Appointed as the first director of space flight programs for NASA in 1959 he was responsible for the Mercury program which put the first American astronauts into space and he initiated development of high-thrust rocket engines and several artificial satellite projects including the Ranger, Surveyor and Mariner series, the Echo communications and Tiros weather satellites.

In 1962, Dr. Silverstein took over leadership of the liquid hydrogen rocket fuel research that led to the Centaur vehicle used to put Surveyor capsules on the Moon.

Starting in 1955, MacNabb has been a participant in America's rocket and space efforts. He was first manager of operations for General Dynamics Convair Atlantic Missile Range and directed the flight test program at Cape Kennedy for the Atlas ICBM. Later, he became director of test operations for General Dynamics in San Diego responsible for all test operations at Cape Canaveral, Vandenberg Air Force Base and Edwards Rocket Base plus the company's test facilities.

Launch teams directed by MacNabb launched 107 Atlas missiles and space launch vehicles from the Cape beginning in 1957, including;

1. The first 9,000 mile flight of a missile.
2. Launching of the first U.S. spacecraft (Ranger IV) to impact on the moon.
3. Launching the Mariner II Venus probe.
4. Launching into orbit of Project Mercury astronauts John Glenn, Scott Carpenter, Walter Schirra and Gordon Cooper.

During the peak of Atlas flight testing, when launchings were made nearly every week, MacNabb was directing some 1,500 engineers, technicians and administrative personnel.

Despite his heavy schedule, MacNabb found time to return to Rose Polytechnic for the Institute's Homecoming Nov. 3-4. In between his trips around the country he lives in Valley Forge, Pa.

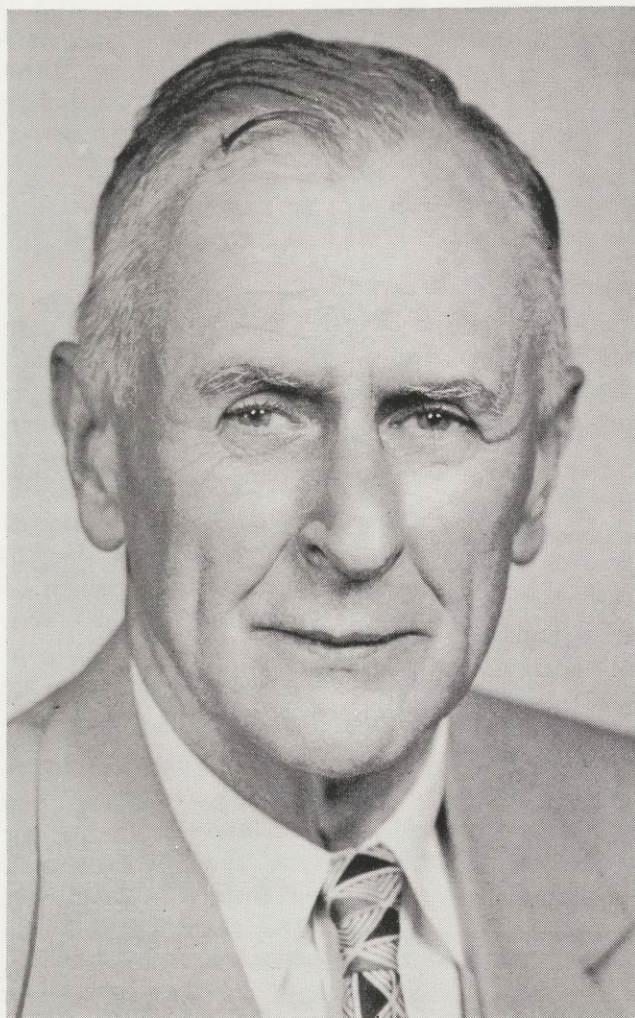
RECENT GRANTS TO ROSE

Freshmen enrolled in the Topics in Modern Physics course at Rose are now engaged in the production of 8 mm continuous film loops, made possible by a \$1,600 grant from the National Science Foundation. This program, under the direction of Dr. Ralph Llewellyn, Rose '55, is known as Project SCOPE (Single Concept film loops for Physics Education).

Two other NSF grants, of \$2,000 each, have been awarded Dr. James M. Kortright of the Physics Department and Dr. Theodore A. Sakano of the Chemistry Department, to support research.

Rose has also recently received \$5,000 in unrestricted funds from the Standard Oil (Indiana) Foundation. John E. Swearingen, chairman of the board of the Foundation, said: "We are placing no restrictions on the use of funds granted, as long as they are spent currently to improve education and are not used for endowment purposes."

In Memoriam



Dr. CLARENCE P. SOUSLEY, retired head of the mathematics department, died on August 21, 1967. He was a graduate of Kentucky Wesleyan University, and received his doctorate at Johns Hopkins University. He came to Rose in 1920, and retired in 1954. During his years in Terre Haute, he had also been very active in the Masonic Lodge.

Professor Theodore P. Palmer of the department of mathematics, has written the following tribute to Dr. Sousley, which will be of particular interest and meaning to the alumni of Rose.

"When I came to Rose in 1937, Dr. Sousley had already been Head of the Mathematics Department for seventeen years. Within two hours of arriving in town, I found myself teaching Algebra and Trigonometry (five sections in all) from books I had never seen before. After this introduction to Rose, "Doc" took me on a two-hour apartment-hunting tour of the town. He was a delightful man,

with a fine twinkle in his eye, which matched his fine sense of humor. The average student did not always detect this sense of humor during his first two years at Rose, because "Doc" was so terribly concerned with getting the mathematics across to the class, and mathematics was no laughing matter to either Doc or the student.

"During the progress of an examination, Dr. Sousley would discover that several people were making the same mistake, and would decide he hadn't stressed that sort of error sufficiently, and would interrupt them to give a lecture on the matter. What was intended as a sentence or two of caution would often run to several paragraphs, with most of the students trying not to listen for fear it would upset their train of thought.

"At registration time, the Freshman Committee would take the enrollment cards and each student and redistribute them by courses and sections, putting each section in alphabetical order. I don't recall the source of the word, but I remember that Doc and Bill Bloxsome always referred to this as "alphametizing" the cards.

"At Homecoming, the groups would gather around Doc, delighted to see him and reminisce with him. One almost got the impression that after they graduated they realized they had learned something from him which they had come to value. But also, now that they were safely out of Rose, they were able to appreciate his humor. For the last several years they demanded a speech from him at the banquet.

"He seemed to be ageless. He didn't change a hair from when I arrived at Rose until about two or three years ago, when he did begin to look just a little older. But even in the past months he had been up a ladder stuccoing his house.

"He was part of Rose. It is the hope of some of us that his former students think him so much a part of Rose that they would like to contribute funds for a prize, to be awarded at irregular intervals, to be known as the Clarence P. Sousley Mathematics prize. The form of the prize will be determined after we can appraise the response to this helpful suggestion".

Contributions to the Clarence P. Sousley Memorial Fund should be mailed to Rose Polytechnic Institute, attention Sousley Fund. Checks should be made out to Rose Polytechnic Institute, and are tax deductible.

The Rev. F. LEROY BROWN, who had been associated with Rose for 30 years, died on September 10, 1967, in Minneapolis, where he had made his home with his daughter since his retirement. Mr. Brown had come to Terre Haute as pastor of the Wabash Avenue Presbyterian Church, serving there for almost 25 years. He joined the administrative staff at Rose in 1935, as director of dormitories, which position he held until 1949. He was Assistant Professor of English from 1937 until 1952, and then continued to serve as chaplain of the Institute until 1965.

Mr. Brown was always deeply concerned with the welfare of the students, and anxious to do all he could for their benefit. His son James was a graduate of Rose, Class of 1934.

GEORGE H. MOENCH, who was treasurer of Rose for fifteen years prior to his retirement in 1964, died on October 28, 1967. Before coming to Rose, he had been associated with the old Herz Store in Terre Haute for many years.

He came to know all of the men who attended Rose during his years, through his position. He was always keenly interested in their activities, and a very loyal supporter of Rose. His son Richard is a graduate, Class of 1964, and his brother, Herman, Class of 1929, is Vice President for Academic Affairs.

HERMAN W. MOELLER died on May 12, 1967, in Terre Haute. He was formerly the building and ground superintendent at Rose, retiring in 1957. During his years at Rose, he did much in the maintenance and improvement of the buildings and grounds.

MEMORIAL TO RHIMAN ROTZ

Funds contributed in the memory of **Rhiman A. Rotz**, '37 will be used to establish an engine laboratory at Rose. The Rhiman A. Rotz Memorial Engine Laboratory was selected by his widow, Mrs. Frances Rotz, as a project consistent with his great lifetime interest.

Rotz was killed September 6, 1967, in the crash of a private airplane near Crawfordsville, Indiana. Johnny Pouelson, former race driver and master mechanic, also died in the accident.

During the summer of 1966, facilities of the mechanical engineering department were completely renovated with the goal of establishing outstanding undergraduate laboratories to provide students with a true learning experience, encouraging self-education. The Rotz Memorial Engine Laboratory will provide modern facilities for engine analysis and research. Space in the Main Building has been allocated and provisions will be made for soundproofing, safety, ventilation and power.

Long active in United States Auto Club activities, Rotz was serving as chairman of USAC's rules committee at the time of his death. He had the job of presiding over the controversy of whether a turbine engined car should be allowed to compete against those powered with piston engines.

Rotz has always been an active and interested alumnus. He was almost always at Homecoming, had been active in the Indianapolis Rose Tech Club, and was chairman of the Indianapolis Personal Appeal campaign for the Alumni Fund for two years. His father is also a graduate of

Rose, 1906. He had founded the John M. Rotz Engineering Company, Inc. in Indianapolis, and, since his retirement and move to Muncie, had continued as vice president of the company. Rhiman was president at the time of his death.

Charles G. Fuller, '39, is the new president of John M. Rotz Engineering Company.

ROBERT N. MILLER, '01, an outstanding alumnus, died on January 1, 1968, in Washington, D. C. Upon graduation from Rose, he was awarded the Heminway Medal. In 1906 he received the degree of LL.B. from Harvard cum laude. He returned then to his home in Louisville, where he practiced law until World War I. At that time he went to Washington as an officer in the Judge Advocate General's Corps.

In 1919 he was appointed by President Woodrow Wilson to be solicitor of internal revenue, or chief of the legal department of what was then the Bureau of Internal Revenue. A year later he formed, with Stewart Chevalier, a law firm specializing in taxation problems in Washington, and continued in active practice until his death.

In 1960, the American Bar Association presented Miller with a special award for his 40 years of active tax practice and his "contribution to the development of the law and policy of federal taxation in this country".

He maintained a very keen interest in Rose and all affairs of the Institute throughout his life, and at the time of his death was Class Agent for the Rose Alumni Fund for the classes from 1892 through 1901. He was always an active and participating member of the Washington-Baltimore

Rose Tech Club. In 1963, he was awarded an honorary Doctor of Laws degree by Rose.

Miller was the brother of the late Francis H. Miller, Rose '95, who was president of the old Louisville Transit Company. Robert N. Miller gave generously to Rose to establish the Francis H. Miller Scholarship Fund in his memory.

WILLIAM C. NOELKE, '04, Indianapolis, died in November 1967. He was formerly Chief Estimator for the Wm. P. Jungclauss Company, General Contractors, there.

A. P. NICHOLSON, '11, who lived in Summit, New Jersey, died there on October 4, 1967.

W. SCOTT MACE, '12, of Los Angeles, California, died on May 13, 1967, following a long illness. He had been President of The Western Press, Inc.

J. E. SHELDON, '15, died on October 17, 1967. He had been District Engineer, Crawfordsville District, for the Indiana State Highway Department, and lived in Crawfordsville.

MAHLON E. MANSON, '16, of Laguna Beach, California, died on June 13, 1967.

GORDON K. WOODLING, '20, of Wauwatosa, Wisconsin, died in August 1967. He was formerly chief engineer of the Harnischfeger Corp. power crane division. He had begun working for the company in 1935 as chief engineer of the small excavation division, and, a year later, became sales manager.

HERMAN J. KRAUSEK, '21, of Terre Haute, died on September 10, 1967.

LESLIE C. McPEAK, '22, of Terre Haute, died in July 1967. He had always been a construction engineer, and had been a road engineer on the Pan-American Highway and engineered airports in Newfoundland. He also was in business in Sydney, Australia, for several years, and before his retirement and return to Terre Haute, had been a Director of Zippy Products (Aust.) Pty., Ltd.

CARL B. ROYER, '22, died on August 22, 1967, in Louisville, following a long illness. He was Superintendent of Hydraulic Production for Louisville Gas and Electric Company until his retirement on March 1, 1965, following more than 42 years of service. He also was Manager of the L G & E-owned Cherry Hill Coal Mine, the only employe in the history of the company to hold two managerial positions simultaneously. In 1927, at age 27, he was appointed Superintendent of Hydraulic Production, and was named Manager of the mine also in 1946.

His son, Robert L. Royer, April 1949, has recently been elected Vice President of the Alumni Association for 1967-68.

JAMES E. ALBRIGHT, '23, of Collingswood, New Jersey, died suddenly at his home on July 22, 1967. During his years at Rose, he received both the bronze and gold Heminway Medals. After his graduation, in the early days of radio, he started with General Electric at Schenectady. Later, when R.C.A. Manufacturing Company was formed, he was transferred, with them, to Camden, New Jersey. At his retirement in 1961, he was credited with 37 years of service. He had worked in Advanced Development as an engineer and consult-

ant in all forms of Home Instruments, with many years in the development of black and white, and color television.

HERBERT M. CORBAN, '24, of Ramsey, New Jersey, died in August 1967. He had been Manager of Supply and Distribution for Cities Service Oil Company. Herbert was one of a family of well-known Rose alumni: Russell, '22 and Clarence, '26. Both of his brothers preceded him in death, but Clarence's son, Fred, '54, is with Inland Steel Company and active in Rose affairs in the Calumet Area.

THOMAS W. PLIMMER, '32, of Terre Haute, died on November 16, 1967. He had been an engineer with Commercial Solvents Corp.

NORMAN W. LISTON, '33, also of Terre Haute, died in 1967. He had been local manager of the Indiana Rating Bureau.

JAMES F. MURPHY, Oct. 1943, of Cincinnati, Ohio, died on March 3, 1966. He had been Secretary-Treasurer of Fred J. Murphy Company there.

ROBERT N. TIEFEL, '46, died at his home in Terre Haute on July 13, 1967. He had been employed with the Velsicol Chemical Corp. for 20 years at Marshall and Chicago as a chemical engineer. For the last two years, he had been connected with Aamco Transmissions in Terre Haute.

CLAYTON M. TAYLOR, '48, died in September 1967 in Elkhorn, Wisconsin. He was employed by Chas. Pfizer & Co. and, within the past year, had been transferred by them from New Jersey to their Baker Labs. in East Troy, Wisconsin.

Two recipients of honorary degrees from Rose have also died recently.

CLARENCE B. RANDALL, Eng. D. '52, was the retired chairman of Inland Steel, and one of the nation's best-known business men. He had served as a special assistant to President Eisenhower on foreign economic policy. He also became an advisor to President Kennedy, wrote books, reviewed others, traveled, and generally kept abreast of the times. He undertook an economic mission to Turkey for President

Eisenhower, and one to Ghana for President Kennedy. He also served as the latter's chairman of a panel to review federal pay schedules. In 1963, he was made chairman of an advisory committee on international business problems for the State Department.

In his years in the steel business he became an articulate spokesman for the industry, so it seemed only natural to its leaders that he should reply to President Truman after his seizure of the steel companies. His television appearance then made him fam-

ous throughout the country. It was immediately following this reply to Truman that he spoke at the Rose 1952 Commencement, and the honorary degree was awarded him.

A. N. LEVIN, HL.D. '67, was formerly President of Levin Brothers in Terre Haute, a wholesale firm established in 1886. He had been a leader in community affairs, and had served on the Union Hospital Board from 1939 until his death, as President of the Board from 1959 until 1965.

Representatives From Rose

Rose alumni have represented the Institute at formal academic affairs at various colleges and universities on a number of occasions during the past few months. The list includes:

D. P. Cromwell, '19

Inauguration of Arthur M. Blum as President of Point Park College

John S. Wells, '26

Inauguration of President Adams at Ripon College

R. C. Brown, Sr., '27

Inauguration of Daniel Whittney Halladay as President of East Texas State University

James F. Guymon, '33

Inauguration of Robert E. Hill as President of Chico State College

F. J. Landenberger, '34

Inauguration of Arland Frederick Christ-Janer as President of Boston University

Charles S. Meurer, '42

Inauguration of Maurice B. Mitchell as Chancellor of the University of Denver

Howard L. Scott, '51

Inauguration of James Edward Doty as President of Baker University

Allan W. Stiles, '52

Inauguration of Burton Crosby Hallowell as President of Tufts University

Clyde F. Willian, '52

Inauguration of Milton Bruce Byrd as President of Chicago State College

Gene L. Mrava, '57

Inauguration of Elmer Jagow as President of Hiram College

Joseph G. Moser, '56

Centennial Program at Lebanon Valley College

William K. Teegarden, '64

Inauguration of Archibald M. Woodruff as Chancellor of the University of Hartford

Class Notes

1911

J. NEWELL STEPHENSON, who received his M.S. in Ch.E. from Rose, and has been Editor-in-Chief of the Pulp and Paper Magazine of Canada and Vice-President of National Business Publications there, has retired. He had been editor of Pulp & Paper Magazine for fifty years. He is now living in Wolfeboro, New Hampshire, where he says he is twenty feet from Lake Winnepesaukee.

1917

JAMES L. WEEKS, formerly Engineer of Water Pumping, Department of Water & Sewers, of the City of Chicago, retired on August 1, 1966, and is making his home now in Elmhurst.

1929

G. P. BROSMAN, chief engineer, has retired from Illinois Bell Company after 37 years of service. He was appointed chief engineer in 1959 with the formation of the company's State Operations and organized its Engineering Department at that time. During his telephone career he held a variety of positions both in the Engineering and Traffic Departments.

D. L. THOMPSON retired on July 1st from his position as General Substation Engineer with the Northern Indiana Public Service Company, and is now living in Terre Haute.

RAYMOND P. HARRIS has resigned as Terre Haute city engineer and president of the Board of Sanitary Commissioners. He expects to take a new

position in private industry after 6 years with the city.

1933

JAMES C. SKINNER, president and general manager of Thomas & Skinner, Inc. Indianapolis, received the Management Division Award of the Central Indiana section of the American Society of Mechanical Engineers last spring.

The Senate has confirmed for permanent appointment to brigadier general in the Regular Army JOHN C. DALRYMPLE, now serving on active duty as major general. Dalrymple has been assigned to the Office of the Deputy Chief of Staff for Logistics as director of installations since August 1966. From December 1955 to June 1958, he was chief, Plans Division, Office of the Chief of Research and Development, Department of the Army.

His OCRD assignment was followed by about a year of duty as executive officer, Office of the Secretary of the Army. Prior to his present assignment, he was director, Military Construction, Office of the Chief of Engineers. From July 1962 to June 1965, he was division engineer, North Atlantic Division.

General Dalrymple earned an MS degree in civil engineering from Iowa State College. He has attended the Command and General Staff College, the Armed Forces Staff College and the National War College.

Awarded the Silver Star Medal for leading the 82nd Engineers into Normandy, Dalrymple has

twice earned the Bronze Star Medal. He later directed the 1117th Engineer Combat Group in its crossing of the Rhine, for which he was awarded the Legion of Merit.

R. W. WELLS is now Chief, Technical Standards, of the Operations Division, Flight Standards Service of the Federal Aviation Administration in Washington, D. C. He was formerly a Jet Pilot Captain with Trans-World Airlines.

1934

HOWARD C. BARNES has been promoted to deputy chief engineer of the American Electric Power Service Corporation Engineering Department. He joined the AEP System in 1939 as an assistant engineer with Ohio Power Company. He was transferred to New York in 1944 as a relay engineer, was promoted to senior engineer and became head of the Relay & Protection Engineering Section in 1950. He was named assistant head of the Electrical Engineering Division in 1959 and head of the division in 1961.

GENE A. ZWERNER has been transferred to Detroit from Baltimore. He is District Manager of the Link-Belt Div. of FMC Corporation there.

1935

JOHN A. CUSHMAN, JR. has been appointed manufacturing director of Film Operations at American Viscose Division of FMC Corporation. He joined American Viscose in 1941 as a project engineer and served in several engineering capacities

until 1947 when he was named chief plant engineer at the Lewistown, Pennsylvania rayon plant. In 1956, he was appointed manager of the Marcus Hook film plant.

1940

EARL O. SWICKARD, JR., VERNON E. WHITEHOUSE and Oct. '43, KENNETH ALLISON, Lieutenant Colonels in the Army Reserve, completed the final two-week phase of the Army Reserve School Associate Command and General Staff course July 22nd at Ft. Leavenworth, Kansas. The course is designed to prepare officers for duty as commanders and general staff officers in divisions or logistical commands and to familiarize them with the duties of the general staff at corps and Army levels. This graduation marked the end of five years of study.

1941

WILLIAM D. SCHWAB has been promoted to the position of



Vice President - Product Development of Cummins Engine Company. He will have technical responsibility for the design and development of Cummins products as well as the continuing

improvement and refinement of these products after they are released to production. He joined Cummins in 1947 and has since held several positions in research and engineering operations.

1942

DWAINE L. WOOLSEY, now employed by Indiana Bell Telephone Company, has been promoted to the position of Depreciation Engineer. He will be located in the Chief Engineer's office in Indianapolis. Mr. Woolsey joined the company as a student engineer in 1946.

1947

JACK R. FEHRENBACH is owner and manager of Fehrenbach Engineering Company in Salt Lake City.

Dr. CHARLES W. NEWLIN has been appointed to the State Board of Technical Registration of Arizona by Governor Williams. Newlin is a member of the civil engineering department of Arizona State University.

JOHN T. GUNDLACH is now Chief, Technical Facilities Planning for the Denver Division of the Martin Marietta Corporation.

WILLIAM A. MADDOCK is returning to the United States after overseas experience with Marathon International Oil in Spain and West Germany. He will now be with Marathon Oil Company in Findlay, Ohio.

1948

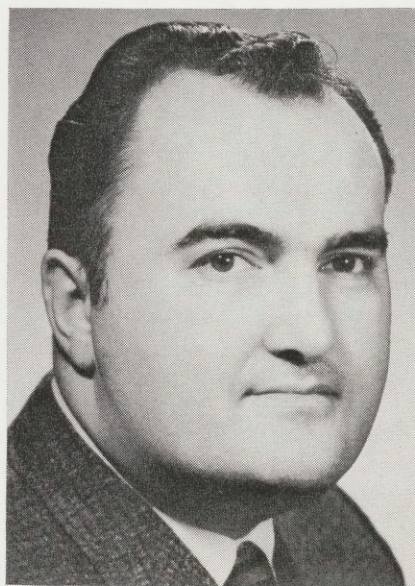
THOMAS CUNDIFF has been appointed assistant production manager at the Terre Haute plant of Chas. Pfizer & Co., Inc. This is a newly created position, and in it Cundiff will be responsible for the plant's production operations of agricultural prod-

ucts, organic acids and vaccine packaging. He has been manager of the agricultural products department, and has been with the company since 1948.

THOMAS J. MORRIS is now Senior Engineer for Inertial Nav. Systems of the Autonetics Division of North American Rockwell in Anaheim, California.

Jan. 1949

PAUL E. WIBLE has been appointed a vice president of Varo, Inc. in Garland, Texas. Wible joined Varo in 1953 as a project engineer after working on development of airborne ordnance systems and systems components at Naval Avionics Facility in Indianapolis. He left Varo in 1955, but returned as a project manager in 1960 and was named head of Special Products Division in 1961. Wible holds patents on electronics filters, frequency controls and frequency meters.



With headquarters located in Garland, Varo, Inc. is the nation's leading manufacturer of active and passive military night viewing devices. The company also produces power conversion equip-

ment; precision optics; speed controls for commercial and industrial use; aircraft and missile power supplies and microcircuits.

April 1949

STANLEY E. WYATT has been appointed senior sales representative in plastic materials



sales by B. F. Goodrich Chemical Company. He works out of BFG Chemical's New York City office. Wyatt joined the company in 1956 as a product engineer. He transferred to the New York office in 1959 as a junior representative, becoming a sales representative there in 1960.

EDWARD C. BOCKHOLD, factory manager of GM's Packard Electric at Warren, Ohio, has been named manager of manufacturing of General Motor's Inland Manufacturing Division at Vandalia, Ohio. He has been with Packard Electric since his graduation and has served in a number of capacities in Manufacturing, including work standards and methods engineer, supervisor of work standards engineering, general foreman, assistant superintendent, superintendent of each

of Packard's six plants and factory manager.



July 1949

Dr. DONALD R. COUGHANOWR, former professor of chemical engineering at Purdue University in Lafayette, Indiana, has been named head of the department of chemical engineering at Drexel Institute of Technology in Philadelphia. With an M.S. from the University of Pennsylvania and a Ph.D. from the University of Illinois, Dr. Coughanowr has made distinguished contributions as an educator and as a scholar, especially in the field of process dynamics and control and analog and hybrid computer simulation of chemical reactor.

He has collaborated on a number of papers and reports which have been published in scientific journals, and has written in collaboration with Dr. L. B. Koppel a popular text, "Process Systems Analysis and Control," which was published by McGraw-Hill in 1965.

Dr. WILLIAM W. BANNISTER has been appointed assistant professor of chemistry at Lowell

Technological Institute at Lowell, Massachusetts. He had been engaged in post doctoral research at the University of Cincinnati.

1950

JAMES E. KIRCHNER has accepted a position as sales engineer with Hill Equipment Company in St. Louis.

1954

ERNEST L. HILLMAN is in Palo Alto, California, where he is manager of Instructional 70 Design Implementation for RCA.

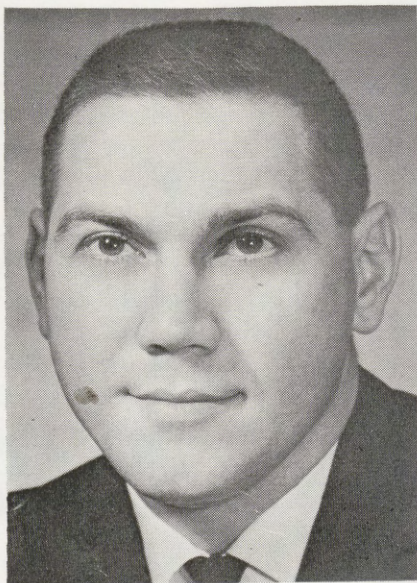
1955

ROBERT E. MOGLE has been named Branch Chief for the Product and Evaluation Branch of the U. S. Naval Avionics Facility in Indianapolis.

1956

D. F. BRANNON has been transferred from Muncie, Indiana, where he has been a senior engineer, substation department, Indiana & Michigan Electric Company. He is now assistant chief for electrical construction, Mitchell Plant Construction department, Appalachian Power Company. He will live in Shadyside, Ohio. He writes: "This plant should prove interesting with 2 - 800 mw generating units; 2 - 370' high cooling towers & - get this - a 1200 ft. high concrete chimney."

JOHN W. STEARLEY has been promoted to supervisor of product application engineering by Robertshaw Controls Company's Acro Division at Grove City, in suburban Columbus, Ohio. He joined Robertshaw in 1965 after project and design engineering work with companies in Indiana. The Acro Division



produces precision electrical switches.

1959

JOHN C. FENOGLIO has been promoted to quality control manager at Anaconda Aluminum in Terre Haute.

CARL T. HERAKOVICH has been named assistant professor in engineering mechanics at Virginia Tech's College of Engineering. He is a candidate for his Ph.D. at Illinois Institute of Technology.

1960

F. J. WERNICKE has been appointed Chief Electrical Engineer for the Curtiss Division of Standard Brands, Inc. In this position, he will assume responsibility for the direction of all electrical engineering, maintenance, construction, research and operations for Melville, and Curtiss Candy Companies, and also serves as midwest electrical consultant to Standard Brands, Inc. He had served for the past nine months as an electrical construction consultant to Curtiss Candy Company.

WILLIAM B. JOHNSON is now Data Processing Manager with the Wabash Smelting Company in Wabash, Indiana.

1961

E. DEAN POWELL has been promoted to engineering coordinator in the fabricated products department of Marbon Chemical Division, Borg-Warner Corporation. Powell, who joined Marbon in 1961, has served in several capacities, including development engineer, process evaluation engineer, and project engineer.

JAMES A. BECK has accepted a position as highway and water resources design engineer for Burgwin, Martin & Assoc. P.A., Consulting Engineers in Topeka, Kansas.

1962

BRENT E. ROBERTSON has accepted a position with the B. F. Goodrich Tire Company, in Akron, Ohio, as material engineer.

R. J. PESAVENTO was released this fall from the U. S. Army after serving four and a half years in the Corps of Engineers. He accepted a position with the H. F. Ferguson Company in Cleveland upon his release.

LAWRENCE SHABI is working for American International Oil Company in Antwerp, Belgium. They have just broken ground for a new chemical plant there and he is in charge of certain equipment and materials for the plant. He expects to be there about two years.

1963

MICHAEL H. HAYES is an associate engineer with the Detroit Edison Company.

W. ALLEN JANNASCH is a test engineer with Northern Indiana Public Service Company.

BILLY LEE CRYNES has accepted a position in the chemical engineering department at Oklahoma State University, in Stillwater. After completion of his

work at Rose, he completed his work for the master's and the doctor's degree at Purdue.

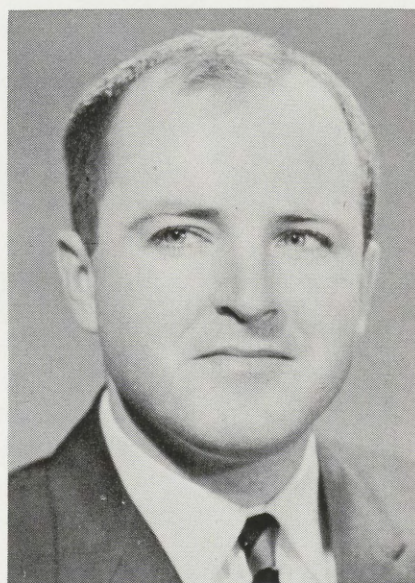
A letter was received this summer from ERNST MATERNA, which told of his experiences since leaving Rose;

"Dear Friends:

"Thanks for the April 1967 copy of your ROSE ECHOES, which I recently received. It is always nice to hear from you folks.

"I am Ernst Materna, class '63, and maybe my name is still remembered around Rose. Two other former students and I were the first German group sponsored by the Duisberg Society who studied at Rose Tech.

"Leaving Rose, I joined Cummins Engine Company in Colum-



bus, Indiana, where I first worked in research. After two years with this company I got a special assignment here in (old) Mexico, where I still am. Just recently I was promoted to Project Manager. There is no definite time limit for my job down here.

"Our (Cummins) main function here in Mexico is to give technical aid and to train technicians of a Mexican government-owned company which is assem-

bling, and, later on, producing our engine.

"This, in a couple of words, is what I have been doing in the past.

"I sure wish you would continue to send the ROSE ECHOES to my Mexican address.

"Please give my regards to everybody.

Sincerely yours,
Ernst Materna"

1964

LARRY E. HALL, after completing his service with the Army, has accepted a position with E. I. duPont in Newark, Delaware.

After his service in Viet Nam, JOHN STOCKTON is in Battle Creek, Michigan, where he is quality control engineer for The Post Division of General Foods Corporation.

First Lieutenant CHARLES T. TERRY, MSC, Administrative Assistant in the Medical Materiel Development Division, U. S. Army Medical Research & Development Command, has been promoted to the rank of Captain. Capt. Terry joined the Command a year ago, following a tour at the Medical Field Service School, Brooke Army Medical Center, Fort Sam Houston, Texas.

Among the technical papers the Captain has authored are "Radiological Studies of Organ Displacement Due to Vertical Acceleration" presented at the 18th Annual Conference of Engineering in Medicine and Biology, and "Review of Mathematical Models of Human Response to Acceleration", presented at the Winter Annual Meeting of the American Society of Mechanical Engineers.

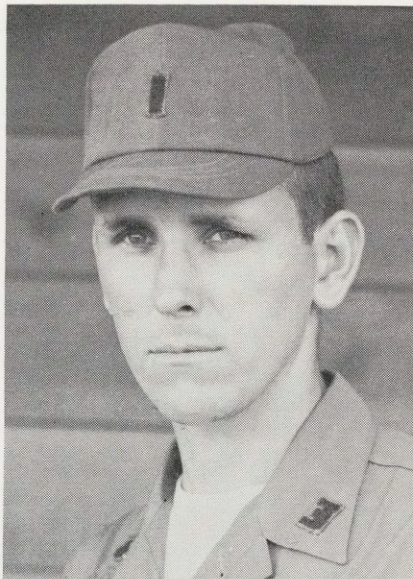
1965

G. MICHAEL LUBECKY is an associate engineer, meter testing

laboratory, of the Cleveland Electric Illuminating Company.

HAROLD M. COON is with Public Service of Indiana, and living in Speedway, Indiana.

JAMES L. BROWN was promoted to first lieutenant during ceremonies at Pleiku, Viet Nam,



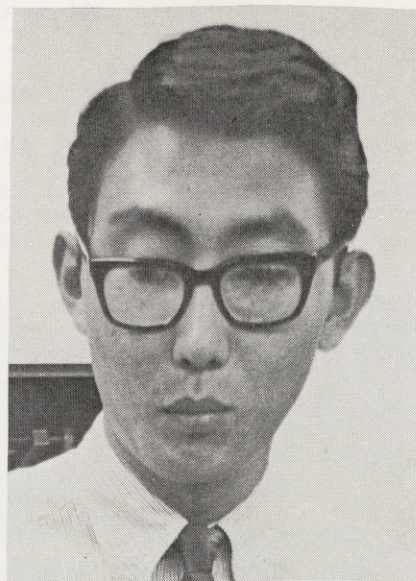
on May 30th. He is a platoon leader in Company C, 815th Engineer Battalion.

JIM LEE BROWN has completed his work for a master's degree at Rose. He has now gone to Tempe, Arizona, where he is with the Military Electronics Division of Motorola.

1966

ELMER L. BEARD is with General Electric Company in Fort Wayne, in the field of application engineering and technical marketing.

WILFRED OTAGURO, a candidate for Ph.D. in quantum electronics at the University of Southern California, spent the summer doing experimental work in non-linear optics at Aerospace Corporation's Laboratories Division. He was a part of the company's summer hire program which borrows from the nation's universities while classes are out.



Otaguro was Heminway Medal Man at Rose in 1966; earned his master's degree at California Institute of Technology in 1967, and now has returned to his work at Southern California.

DANIEL J. GOODWIN is currently enrolled in the Indiana University Graduate School of Business, working toward an M.B.A. degree.



1967

DAVID L. HONEY started with Packard Electric Division of General Motors Corporation following graduation, and has now been promoted there to foreman in plant 10.

TRAVEL - RELAX - ENJOY YOURSELF

We invite you to join us for some of the most exciting days of your life as we explore Scandinavia and Great Britain together. We have travelled Scandinavia and can show you those out of the way places tourists don't always find, and when we get to Britain we have reached home for Moyra.

Our journey begins to unfold in Bergen, Norway. Here the thrill of being in another country becomes intoxicating. This feeling of fun and relaxation will not end for the next three weeks. The itinerary for these fun-filled days is listed below.

- | | |
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| <p>August 3 Depart New York.</p> <p>August 4 Arrive in Bergen and in the afternoon take an excursion to Trolldhaugen, the composer Edward Grieg's home and to "Stave Church" at Fantoft which dates from the 11th century.</p> <p>August 5 Sightseeing in the captivating city of Bergen in the morning. Leaving by air and arrive in Oslo, the 900 year old Norwegian capital.</p> <p>August 6 Morning spent sightseeing in the city with visits to Oslo Cathedral, Munch Museum and Frogner Park. In the afternoon, a drive through the central part of the city to Bygday to visit the Folk Museum, the Viking Ships, the Polarship "Fram" and the Kon Tiki Museum. Dinner this evening will be at the Folk Museum where traditional dishes will be served and a display of folk dancing seen.</p> <p>August 7 A morning of leisure and in the afternoon depart by train to Stockholm.</p> <p>August 8 In Stockholm. The morning will be spent on a fascinating tour of the city which shows its development from the 13th century to the present time, and why it is considered a leader in modern design. The afternoon is at leisure.</p> <p>August 9 Excursion by motor boat on both Lake Malaren and Saltsion. Depart Stockholm by train and travel through Sweden's "Lake District" to Gothenburg, the attractive chief seaport of Sweden.</p> <p>August 10 Forenoon sightseeing by motorcoach featuring the many canals and busy harbor, the Maritime Museum and Aquarium, the Seamen's Tower with its panoramic view of the city, and the Art Gallery.</p> <p>August 11 Depart Gothenburg by air for Copenhagen, an ultra modern city that dates back to the time of the Vikings.</p> <p>August 12 In the morning a city and harbor tour by motorcoach/motor launch with a visit to the "Little Mermaid".
An afternoon of leisure.</p> <p>August 13 Full-day excursion by motorcoach to the castles of North Seeland, featuring charming countryside dotted with lakes, beech woods and thatched cottages.</p> | <p>Tickets included for the Schumann Circus this evening.</p> <p>August 14 Morning at leisure before departing for London.</p> <p>August 15 Morning sightseeing by motorcoach. See the changing of the Guard at Buckingham Palace, Big Ben and the Houses of Parliament, and visit Westminster Abbey. Afternoon sightseeing in Old London with visits to St. Paul's Cathedral and the Tower of London.
Tickets are available for the Palladium Theatre this evening—optional cost. Following the theatre, a London evening drive—optional cost.</p> <p>August 16 At leisure.</p> <p>August 17 Depart London by Motorcoach and drive to Stratford-On-Avon. Tickets are included for the Stratford Memorial Theatre this evening.</p> <p>August 18 Forenoon sightseeing drive by motorcoach visiting the birth place of William Shakespeare, Holy Trinity Church where he is buried, and then on to Shottery to visit Anne Hathaway's Cottage. Depart Stratford-On-Avon by motorcoach for Keswick.</p> <p>August 19 Depart Keswick by motorcoach via Carlisle, Gretna Green and Ayr and arrive in Glasgow.</p> <p>August 20 Depart Glasgow by motorcoach through the Western Highlands to Inversnaid and your hotel in the heart of the Scottish Highlands.</p> <p>August 21 Depart Inversnaid via the rugged and picturesque Trossachs. Arrive in Edinburgh, the majestic capital of Scotland.</p> <p>August 22 Afternoon sightseeing in Edinburgh, visiting the historical Castle, St. Giles Cathedral, John Knox's house and the Palace of Holyroodhouse which is still used as a royal residence today.</p> <p>August 23 Morning at leisure. Tickets are included for the Military Tattoo which takes place at Edinburgh Castle in the evening.</p> <p>August 24 Depart Edinburgh by motorcoach for Prestwick where you catch your plane to New York. You will be in New York on the same day and ready to get to final connection for home.</p> |
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For further information contact Bill and Moyra Brown at Rose Polytechnic Institute or World Wide Travel Service, 712 Wabash Avenue, Terre Haute, Indiana. We will look forward to traveling with you.

BILL and MOYRA BROWN



Basketball Team Leaves for New York—Feb. 10, 1968. Rose won both games in New York, 96-91 over Queens College and 99-72 over Brooklyn Poly. Rose is averaging 95 points per game and is 6-0 in the Prairie College Conference with an overall 15-5 record. Rose is hoping for an NAIA play-off bid to the small college national tournament.

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Published February, April, June, August,
October and December by Rose Polytechnic
Institute at Terre Haute, Ind. 47803.

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