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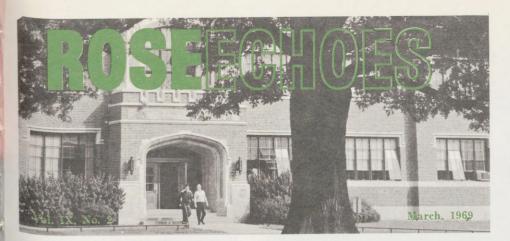
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Rose Adds Aerospace Engineering, Computer Science to Curriculum

Rose Polytechnic Institute has established degree-granting programs in aerospace engineering and computer science, it was announced this month by the Board of Managers and Dr. John A. Logan, president of the institute.

Establishment of the two new majors followed extensive studies by the administration and faculty which pointed out popular demand for the programs by both students and industry.

"These two new programs will keep Rose in the forefront of the nation's engineering colleges," said Dr. Logan, "Interest is very high for both programs.

"A recent poll of the current freshmen class indicated 76 were interested in electing aerospace, while 27 said they would enter computer science," Dr. Logan continued. Total enrollment is 980.

The board also authorized the construction of a new laboratory to house subsonic and supersonic wind tunnels and other related equipment to support the laboratory portion of the aerospace program.

Dr. James B. Matthews, who earned his Ph.D. in aerospace engineering, will be chairman of the department which will offer bachelor's degrees in mechanical engineering and aerospace engineering. Dr. Matthews, a 1954 graduate of Rose and a member of the faculty since 1956, was named mechanical engineering chairman in 1966.

Programs for aerospace engineering and mechanical engineering are common for the freshman and sophomore year. Specialized courses in aerodynamics, space mechanics, propulsion systems and design of aerospace systems will be taken up in the junior and senior years of the new program. The new computer science program, designed to produce an individual who will understand the design of a computer as well as its operations, will be a cooperative effort by the electrical engineering and mathematics departments at Rose.

Administered by a committee headed by Dr. Charles C. Rogers, chairman of

(Continued on Page 2)

Rose Receives \$137,436 for Teaching Center

Rose Polytechnic this month received a \$137,436 grant from the National Science Foundation to establish a center in which to investigate ways of improving the quality of instruction in science and engineering.

The grant, which comes through NSF's College Science Improvement Program (COSIP), is the largest amount ever received by the college for the express purpose of teaching.

Dr. John A. Logan, president, said work will begin this summer, with Dr. Sam C. Hite, chairman of the chemical engineering department, serving as director of the program.

"The center will allow Rose to investigate new methodology and improve its teaching techniques through the use of special teaching aids and experimental classrooms," said Dr. Logan.

a committee from Rose which submitted the proposal to the national agency.

Rose Polytechnic first submitted the COSIP proposal last May. The proposal

(Continued on Page 3)



BEARD FOR ST. PAT—Freshman John Rhodes, Shirley, Ind., proves that a flap-top haircut and beard can be compatable, and Ray Stoffer, Cincinnati, gets feminine approval (?) for the heaviest beard in the Rose beard contest honoring St. Patrick, patron saint of engineers.

\$2.7 Million Budget Okayed For Next Year

The board of managers of Rose Polytechnic Institute approved a record \$2.7 million budget for the 1969-70 academic year as the governing body of the college met in its Winter meeting at Hulman Memorial Union Friday, Feb. 21.

Benjamin G. Cox, Terre Haute attorney and chairman of the board of managers, reported the approval of the \$2,763,063 budget and other action taken by the board.

The approved budget, based on an estimated enrollment of 973 men in the Fall, represents a rise of \$209,463 over the operating budget for the current academic year.

The board also heard reports on endowment, academic and student affairs, capital improvements and development, and recommended promotions for three members of the faculty.

Promoted were Dr. Warren W. Bowden from associate professor to professor of chemical engineering; Prof. Paul Mason (Rose '56) from assistant professor to associate professor of physics, and Prof. Robert Steinhauser (Rose '54) from assistant professor to associate professor of mechanical engineering. Steinhauser currently is completing his Ph.D. at the University of Wisconsin while on leave of absence from Rose.

In other business, recommendations for honorary degrees to be awarded at the June 14 Commencement were approved. Names of the recipients will be announced at a later date, according to the Chairman Cox.

Board members attending the meeting were officers Richard F. Bergmann (vice c'airman), John T. Royse (treasurer), and Walter L. Osmer (secretary), all of Terre Haute, and Russell E. Archer, Forrest Sherer, Carl Ehrenhardt, Edward Bauer and Marshall T. Hubbard, also of Terre Haute.

Also, Raymond E. Crandall, James C. Skinner and Frank P. Thomas Jr., all of Indianapolis; Henry Y. Offutt, Louisville; Robert Shattuck, Chicago, and Wendell E. Carroll, Stamford, Conn.

The administration and faculty, headed by Dr. John A. Logan, president, was represented by Herman A. Moench, vice president for academic affairs; Dr. Darrell E. Criss, Dean of the Faculty; Ralph M. Ross, Dean of Student Affairs; John L. Bloxsome, Vice President for Development; Ronald G. Reeves, Assistant Di-



Sarkes Tarzian

Tarzian to Head Parents' Fund

Sarkes Tarzian, president of Sarkes Tarzian, Inc. a manufacturer of electronics components at Bloomington, Ind., has accepted the chairmanship of the 1969 Rose Parents' Fund.

The father of Thomas Tarzian, who was graduated from Rose last June, Tarzian has long taken an active role in higher education and currently serves on the board of trustees of the University of Pennsylvania, Indiana Institute of Technology and the Herron Art Institute.

Tarzian, who earned his bachelor's and master's degrees in electronical engineering at Pennsylvania, is a striking example of an engineer who had a better idea and made it pay amazing dividends. After working for Atwater-Kent and RCA for nearly 20 years, he struck out on his own in 1944 and started making radio and television parts as a small scale operation. His own invention, **a** basic TV tuner, is now used by many of the big manufacturers.

Tarzian also owns and operates numerous radio and television stations in Indiana, including WTTV-TV of Indianapolis, formerly located at Bloomington.

rector of Development; Prof. Irvin P. Hooper, business manager; Dr. Ralph A. Llewellyn, chairman of the physics department, and Dr. Michael O. Brietmeyer, acting chairman of the biological engineering department.

The next regular meeting of the Rose board of managers is scheduled for June 13.

Rose to Offer Computer Major And Aerospace

(Continued from Page 1)

electrical engineering, and Dr. Herbert R. Bailey, a 1945 Rose alumnus and chaiman of mathematics, the program features what the college believes to be the good features of the nation's best computer education programs.

Most colleges and universities offer computer science as either a part of electrical engineering or mathematics. The electrical engineering-oriented programs tend to stress hardware (design of computers, circuit, theory, etc.,) while programs linked to mathematics usually concern themselves in software, or the developing of programs, languages and operating procedures for computers.

Rose plans to bridge both areas and produce men who will understand computer design as well as the mathematical logic, programs and languages common to the actual use of the machine.

The demand for such a man is ever increasing. One electronics company currently recruiting at Rose is seeking to hire 80 such men this year—a figure which represents the total number of June graduates in the nation qualified for the position.

The new programs raise to 11 the number of bachelor's degrees in engineering and science offered by Rose Polytechnic. The college, which added a biological engineering degree to the curriculum in 1967, offers B.S. degrees in aerospace, biological, chemical, civil, electrical and mechanical engineering, and chemistry, computer science, mathematics and physics. Rose also offers an "undesignated" bachelor of science degree for career preparation in medicine, law or business.

Commencement '69

The 91st Commencement of Rose Polytechnic Institute will be at 10 a.m. Saturday, June 14 in Wilbur B. Shook Memorial Fieldhouse.

Dr. Landrum Bolling, president of Earlham College, will deliver the commencement address to the largest graduating class in the history of Rose.

Keynote Speaker

Dr. John A. Logan, president of Rose Polytechnic Institute, will present the keynote address at the 32nd annual convention of the Indiana Society of Professional Engineers at French Lick June 20-21.

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Project: LIFE

Community Praises Rose Report on Urban Problems

Perhaps no problem facing mankind at the present time is of greater concern than that of uncontrolled urban development.

Urban blight is a critical problem in every major city of the United States. It also is of gerat concern to smaller cities such as Terre Haute.

The senior civil engineering class took a long and critical look at the problems of an underdeveloped area of Terre Haute during the first and second quarters, and has received praise from city and county leaders on the 99-page report the class prepared on the team project.

Called "Project: LIFE" by the C.E. 407 class (Civil engineering design and synthesis), the students considered themselves a consulting engineering firm and tackled the problems as "specialists" in the area of urban planning.

"What makes this class unusual and an excellent learning experience," said department chairman Dr. Dennis Sapp, "is that it is a real life situation with real people concerned participating, thus ^{exposing} the students to problems they will face as engineers.

"And because it is a real life situation, lacking the usual academic aura, the students tend to be more highly motivated," he concluded.

The 1969 civils were highly motivated, and earned the praise of Dr. Sapp for preparing the best team report in the four years of the program's existence. Earlier reports included "Project Sal-Vair," an engineers' study of Hulman Field, "Bring Navigation Back to Terre Haute" by the 1967 class, and "Project

Rose Receives Grant to Investigate Ways to Improve Teaching

(Continued from Page 1)

had been revised twice since, the most recent revision having been made in October.

Rose is one of 22 colleges and universities in 16 states to receive a grant, the college being the only one in Indiana to receive a COSIP grant this year and there was none given in Illinois.

The proposed center, to be called the Center of Institutional Development in Engineering and Sciences (CIDES), is the product of a five-year study by the Rose faculty which has re-emphasized the college's primary interest in undergraduate education and its desire to develop a national reputation for recognized excellence in this field.

BRIGHT IDEA-Dr. Dennis Sapp (center) consults with students involved in "Pro-

ject: LIFE." Students (left to right) are Bill Jahn, Cleveland, Ohio, Don Malmquist, Arlington Heights, Ill., and Richard Nelson, Chicago Heights, Ill.

Hospital," a study of hospital and related systems of the Terre Haute area undertaken last year.

The 22-man team, headed by Bill Collins, Warren, Ohio, divided the project into three areas-housing, commerce and sociological aspects. In conclusion, the report cited education as the key to solving urban problems.

To quote the report, the students said: "Education is the key to the solution to most of the urban problems of our time; and in this report, education is the basis of every recommendation. To reemphasize, the uneducated must be educated to meet their problem, and the educated must be re-educated to the problems of the uneducated in order to help them and, therefore, themselves."

Approximately 50 city and county leaders, including leaders from the community under study, attended the formal presentation of report on the Rose campus.

The center also will be a key link as the college plans for future expansion, especially planning the proposed building which will house modern data storage and retrieval facilities, a design shop and laboratory, experimental classrooms, a new computer, and greatly expanded

Primary objectives of the COSIP proposal follow:

provisions for independent study.

- 1. The improvement of the teaching effectiveness and efficiency of the Rose faculty by means of improved methodology.
- The improvement of the techniques 2. of instruction through the use of teaching aids and experimental classrooms.

- 3. The development of a self-study laboratory in Mechanical Engineering to serve as a model for more effective instruction in other laboratories of the institute.
- 4. An investigation of the role of television in the Rose program and the establishment of a link with the four Indiana state universities TV network to permit Rose to exchange programs with Purdue, Indiana, Indiana State and Ball State Universities.
- 5. The establishment of communication with other colleges and universities which are developing new approaches to teaching and research.



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June

M. L. Oglesby, Oldest Rose Alumnus, Dies

Word has been received at Rose Polytechnic of the death of Milton L. Oglesby, who for nearly a decade held the distinction of being the oldest alumnus of the college.

Mr. Oglesby, who was 97 last September, died Feb. 8 at the Veterans Hospital, Gainesville, Fla., following a lengthy illness. Services and burial were in Kissimmee, Fla.

He was graduated from Rose in 1892 in mechanical engineering. Rose granted him a master's degree in 1895.

When he retired he was special representative for the Bureau of Explosives, with headquarters in New York, but as special representative he traveled throughout the country.

The last appearance of Mr. Oglesby at Rose was in 1967 for the seventy-fifth anniversary of his graduation. He had returned for a number of class reunions prior to that, including the seventieth.

During his long career, he worked as an assayer in Salt Lake City, Utah; with the Salt Lake and Ogden Gas and Electric Light Co.; as superintendent of the Emerald Mining Co., Mammoth, Utah; as superintendent with the Emerald and Annansdale Mining companies, Robinson, Utah; as assistant engineer, Mississippi Valley Products Co., St. Louis; as inspector with the Bureau of Explosives; as engineer with American Railway Association, and special representative with the Buerau of Explosives, the last three in New York.

During World War I he served with the U. S. Army Ordnance Department in Washington, D. C.

He is survived by a son, Joseph F. Oglesby, Kissimmee, Fla.; a daughter, Mrs. George E. Pickett III, Winston-Salem, and five grandchildren.

Operation Catapult

Applications for the two sessions of "Operation Catapult" are being received by the Admissions Department at Rose.

The sessions, scheduled from June 22-July 17 and July 20-Aug. 14, are fourweek incentive programs for prospective engineers and scientists who have completed their junior year of high school.

Persons who know of a boy who might be interested in the program are requested to write: Office of Admissions, Rose Polytechnic Institute, Terre Haute, Indiana 47803.



Milton L. Oglesby

Parents' Day Slated May 3

Parents of Rose students will participate in a program of planned activities and will have the opportunity to visit their sons during the annual Parents' Ray weekend Saturday and Sunday, May 3-4.

Registration for Parents' Weekend will be at 9 a.m. Saturday, with a welcome to the campus by Dr. John A. Logan, president, and a convocation featuring a prominent speaker to follow at 10 a.m.

Felda Hardymon, president of the senior class, is heading a committee which is planning the student-organized portion of the program, especially the securing of a noted speaker for the IMPACT Convocation Series which has had such noted speakers as former Alabama governor George C. Wallace in the past.

A buffet luncheon for those taking part in the Parents' Day activities is scheduled for 12:15 p.m. in Hulman Memorial Union. From 2 to 3 p.m., members of the Rose Parents' Association will attend a band concert followed by the annual association business meeting in Shook Memorial Fieldhouse.

Saturday evening, students and their families will join the Rose faculty and staff to attend the play presented by the Rose Drama Club at 8 p.m. in the Auditorium.

Sunday has been reserved for students and their parents to visit without the interruption of a planned program.

Construction Begins on New Triangle House

Construction has begun on the new house for Triangle Fraternity, with a target date of mid-September set for occupancy of the dormitory section of the structure to be located on the Rose campus.

The new house, which will be the second built on the proposed "Fraternity Row" at Rose, will contain slightly under 13,000 square feet and will cost an estimated \$250,000.

Contemporary Development Inc., of Terre Haute is the general contractor on the house designed by Laz and Edwards Architects of Champaign, Ill. The contractor and architect have worked together on a number of fraternity and sorority houses at Indiana University in recent years.

Designed to house from 52 to 54 m^{en}, the house incorporates a T-shaped design. Dormitory areas, four-man study rooms and the chapter room occupy the two-story portion of the building while the lounge, dining room, kitchen and house mother's apartment will be located in the other portion of the T.

One of the attractive features of the house is its built-in furniture, including desks, bookshelves, and storage areas, according to Dr. Harold Sabbagh, associate professor of electrical engineering and adviser for the fraternity since its colonization.

Dr. Sabbagh added that the Triangle chapter would perform some of the finish work on the new house. The chapter also will do the landscaping at the direction of a professional.

Triangle, which has an 18-member Winter pledge class, has a total membership of just over 60 men.

Aerospace Expert

Dr. Alan T. Roper has been transferred from the Mathematics Department to the Mechanical and Aerospace Engineering Department to direct work on the subsonic and supersonic wind tunnels for the new aerospace program.

Dr. Roper brings a wealth of experience into the nearly created area of study, having worked for Boeing as an aerrodynamicist for five years. He earned his B.S. in aeronautical engineering at Purdue and received his master's and Ph.D. degrees in fluid dynamics at Colorado State University.

Dr. Roper joined the Rose faculty upon completion of the Ph.D. in 1967.

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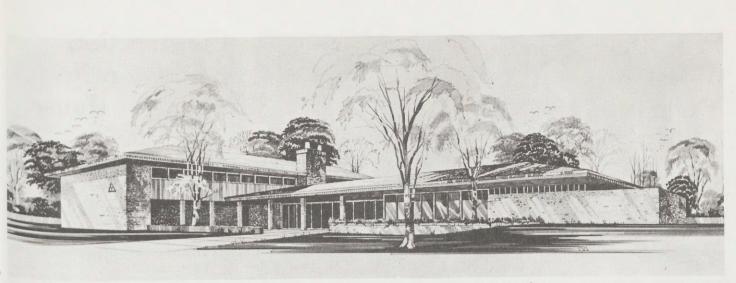
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Artist's conception of \$250,000 new home for Triangle fraternity

113 Pledged to Six Fraternities During Winter Rush

Fraternities long have been an integral part of Rose, but in no previous year can the Greek organizations boast the progress and milestones recorded in 1968-69.

Alpha Tau Omega and Sigma Nu recently celebrated 75th anniversaries . . . Triangle and Sigma Nu await Spring and the construction of new houses on the east side of the campus . . . Phi Gamma Delta colony grows to 35 members and points to official chartering next year.

The most recent news is Winter rush, and the 113 freshmen and sophomores who were pledged to the six organizations, raising to 350 the number of fraternity men at Rose.

Sigma Nu and ATO led with 31 and 27 pledges, followed by Lambda Chi, Triangle, Phi Gamma Delta and Theta Xi with 19, 18, 10 and eight pledges respectively.

Pledge classes follow:

ALPHA TAU OMEGA—Thomas T. Dinkel, Larry J. Rogers, Timothy R. Peterson, Lee C. Smith, and Mark T. Owens, all of Terre Haute; John A. Keen Jr., David E. Liddle, Richard R. Reidy, James M. Wheeler, Jr., Robert L. Strickler, Eric L. Mitchell, and William H. Henley, all of Indianapolis; Steven R. Bonney, Greencastle; Walter T. Foster, Poseyville; Paul R. Grosskreutz, Plainfield; Richard C. Kosik, South Bend; Roger M. Sweeney, Martinsville; David J. Wanninger, Evansville; Bruce A. Williams, Shelbyville, and Joseph T. Fuss, Munster. Also, Don Johnson, Zanesville, Ohio; Richard S. Pappa, Cleveland; Dennis R. Pilarszyk, Painesville, Ohio; Edward W. McCarthy, Evergreen Park, Ill.; Terrence E. Nelson, Joliet, Ill.; Mark W. Sprouls, Georgetown, Ill., and William J. Weinhardt, Dallas, Tex.

LAMBDA CHI ALPHA-Robert J. Schacht, Terre Haute; Thomas L. Black, Greencastle; William B. Engle and Herbert T. Young, both of Vincennes; Leo A. Weiss, Evansville; Robert M. Schall, North Judson; Mark D. Rose, Connersville; Jack E. Hutson, Lebanon; Mark S. Hoff. Indianapolis; Richie L. Brunnemer, Elwood; Gregory L. Kinner, South Bend; James D. Johnson, Mt. Prospect, Ill.; Vernon E. Whitehouse, Louisville, Ky.; Lance C. Kuhnapfel, Westlake, Ohio; Geoff J. Germane, Cleveland, Ohio; Richard M. Christman, Florissant, Mo., and Kenneth C. Oberst, East Meadow, N. Y.

PHI GAMMA DELTA—Donald E. Baker and Thomas L. Jackson, both of Indianapolis; James H. Graham, Bloomington; Kevin O'Sullivan, Crawfordsville; Joel V. Sanders, Edinburg; Jay Sensibaugh, Warsaw; Jeffrey W. Marshall, Cincinnati, and Daniel M. Perrine, Hamilton, Ohio.

SIGMA NU—Beldon Beasley and Donald A. Jones both of Terre Haute; Dennis L. Sullivan, Sullivan; Dan McEowen, Michael McShane, Richard Sturniolo, and Ronald Westby, all of Indianapolis; Douglas Zapp, Beech Grove; Max Tapscott, Speedway; Arthur C. Rugg, Bloomington; Louis Garrison, New Albany; David Burgner, Veedersburg; Mark Bruce, Tell City; Bruce Binkley, Brownsburg; and Dennis Radecki, South Bend, and James Holdaway of Clarksville.

Also, Ed Adams and Michael Kelly, both of Cincinnati; Bruce B. Bilter, Rockford, Ohio; Robert Hofstadter, Hamilton, Ohio; Gary Schofe, Barbarton, Ohio; Lanny A. Jines, Perryton, Tex.; J. Scott Josif and Norman Klein, both of Arlington Heights, Ill.; Craig J. Martens, Mt. Prospect, Ill.; Daniel J. Schweihs, Elmhurst, Ill.; David Hagar, South Holland, Ill.; Jerry W. Bissey, Richmond, Mich.; David A. May, Scottsdale, Ariz.; Stephen M. Powell, Lutherville, Md., and Richard S. Sweetser, Chappaqua, N. Y.

THETA XI—Joseph M. Underkofler and Thomas W. Stephens both of Indianapolis; Goble W. Floyd and David A. Strouse both of Newburgh; Marvin A. Cones, Thorntown; Howard P. Hickson, Barbarton, Ohio; William S. Kain, Cincinnati, and Mark L. Brown, Aliquippa, Pa.

TRIANGLE—Keith M. Cassle, James R. Crosby and Robert W. Thompson, all of Terre Haute; Stanley L. Mikel and Mark A. Thompson, both of Indianapolis; Michael L. Hoover, Beech Grove; James A. Cox, Crawfordsville; John D. Ritchison, Anderson; Henry G. Peters, Gary; Thomas W. Swulius, Chicago; Daniel R. Ackerman, Mt. Prospect; Mark F. Murnan, Cincinnati; Thomas C. Ersted, Kettering, Ohio; George M. Schuler, Fort Thomas, Ky.; Robert D. Uhl, Louisville; Raymond L. King, Kensington, Conn.; Keith A. Thompson, Leavenworth, Kan., and David G. Rodgers, Erie, Pa. Second Class P A I D at Terre Haute, Ind.

September and November by Rose Polytechnic Institute at Terre Haute, Ind. 47803. Kent Harris, Editor.

Return to H.C.C.?

Rose Withdraws from Prairie College Conference

Rose Polytechnic, currently in the process of re-evaluating its intercollegiate athletic program, will leave the Prairie College Conference at the end of the 1968-69 school year.

John Mutchner, athletic director and head basketball coach at Rose, made the official announcement of the move during the Winter meeting of conference moguls earlier this month.

He said the move from the conference had been under consideration for three years and was finalized by a unanimous vote by the faculty athletic committee in November.

Rose, which helped organize the league in 1952, will continue to play many P.C.C. schools, but will concentrate on scheduling Indiana schools, especially those with strong academic programs.

"The entry of Iowa Wesleyan into the league last year helped us decide to withdraw," said Mutchner, "It is a 675-mile round trip to Mt. Pleasant . . . this is farther than we like to travel for every sport."

Another factor was the expansion of the conference to include Eureka and Olivet during the Winter meeting.

"Furthermore," added Mutchner, "our NAIA affiliation is in Indiana while our conference connections were in Illinois. This, of course, was not the ideal arrangement.

"We draw most of our students from Indiana," Mutchner continued, "Many of our alumni live in the state. All our publicity ties are here, so it is logical that we ought to be playing the majority of all our athletic schedules against Hoosier schools." The move from the P.C.C. will not only be more economical from a standpoint of travel, but will allow Rose to gain a closer identity with teams of the reputation of Wabash, Earlham, Indiana Central and DePauw.

DePauw of the Indiana Collegiate Conference is on the basketball schedule next season, while Manchester, Anderson and Wabash (currently a basketball opponent) will be added to the football schedule over the next two or three seasons. Rose will continue to schedule academic heavyweights Washington of St. Louis and Centre College of Kentucky, and is looking into the possibility of playing some top-notch eastern schools in basketball during the holiday period in the near future.

Engineer coaches already are getting "feelers" from the Hoosier Conference, a league Rose helped to form in 1948. Rose is giving them a "wait and see" answer to the question.

Wait Till Next Year, Warn Cagers

Rose's basketball team did not win as many games as Coach John Mutchner or his Engineers would like to have won during the 1968-69 season. But neither did Adolph Rupp and Kentucky, Johnny Dee and Notre Dame nor Lou Watson and his hobbling Hoosiers.

Rose is luckier than the rest, for the pressure to be a .750 or better ball club every year is not as great here and few clubs can look forward to the return of four starters (grades permitting, etc.) with as much revenge in their eye.

Although the Engineers finished 11-15 in a season plagued by injury and illness (only one starter played in every game and no fewer than six players got into more than 20 games), the season had its brighter moments.

For instance . . . Rose upset NAIA tourney representative Indiana Central . . . the Engineers handled Wabash with surprising ease . . . they also came within a few seconds of besting Earlham.

For instance... Don Ings (Indianapolis) scored more than 40 points on five occasions and was second in the state to some guy named Mount. Ingie, who finished with a 26.7 average, needs only two average games to eclipse the alltime scoring mark of the great Tom Curry.

Following the sharpshooting Ings are sophomore Tom Butwin (Brazil) at 16.7, Rod Smith (Indianapolis) at 11, and D. J. Cordero (Bloomington) with a 10-point average and tall (6-7) potential to become one of Rose's all-time greats. Then there was steady senior captain George Shaver, who went comparatively unnoticed at 13 points and as many rebounds per game until he was sidelined late in the season with a broken hand.

It will be no easy task in filling the shoes of the 6-4 Royerton product who quietly became the third leading scorer in the history of Rose and top rebounder the last four years. But if Rose is fortunate enough to land a good freshman crop to go along with able reserves Barry Jenkins (Chrisman, Ill.) and Don Johnson, (Zanesville, Ohio) will be hard to catch next year.