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Echoes Staff

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Centennial Convocation Planned For Parents Weekend

Parents Weekend, April 30-May 1, has been picked for a "great centennial" convocation to inaugurate the greatest era of expansion in the 90-year history of Rose Polytechnic Institute.

Theme running through the two day-long rounds of events will echo Rose's philosophy — a liberal education in science and engineering preparing the scientist and engineer to be concerned as well as contributing members of society. Speakers will elaborate on this theme.

Nationally Prominent Speakers

Invitations have been sent to six nationally-prominent men — leaders in industry, government and education. Two will speak Friday afternoon. Three more will participate in a symposium Friday evening. And the sixth, the main speaker, will speak at the convocation Saturday morning in the field house. An honorary degree will be granted to each.

Saturday afternoon, a special President's Review of the ROTC will be held and a high-ranking Army officer will

present honors to outstanding military students.

In 1974, Rose will be 100 years old. In the intervening decade, Rose will begin a multi-million dollar development of its campus, commencing immediately with the erection of three 78-man dormitories and a new student union with dining facilities for 1,000 to accommodate the expansion of enrollment to 1,000 by 1970. Ultimately, the campus will boast a learning center, including library, research building and recreation building.

Rose Will Drop Semester System, Adopt Quarters

Rose Polytechnic Institute will adopt an academic calendar of four quarters in September and drop the traditional two semesters it now has.

Under the new system, the period from September to June will be divided into three quarters of 11 weeks each. Rose now has two semesters of 15 weeks each.

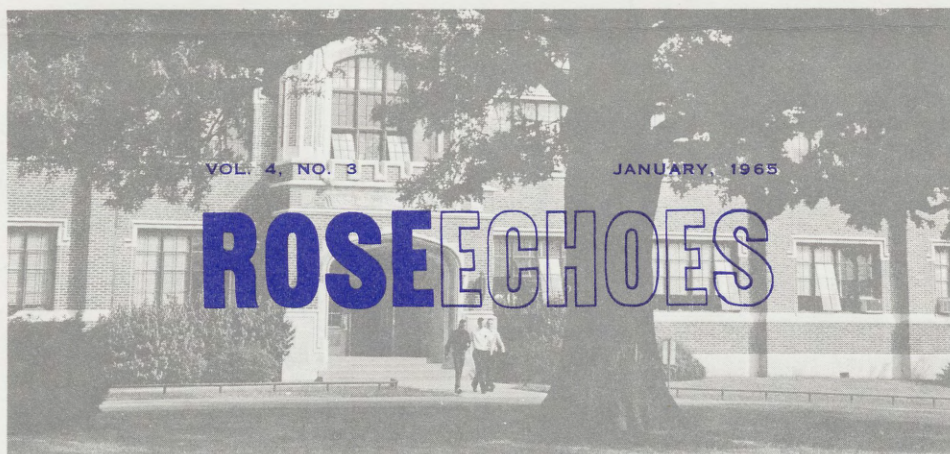
Will Learn More, Better

Students will take fewer courses each quarter than they took each semester but will concentrate more on those courses. In a year's time they will have done as much work as before but, hopefully, learned better and, therefore, more.

No summer sessions are now held, although Rose conducted "summer institutes" to help strengthen incoming students weak in mathematics, physics and English during the past two summers. Under the new system the summer institutes will be continued and expanded and a more elaborate summer program initiated next year.

Other advantages of the quarter system over the semester system, according to Rose President John Logan, include greater flexibility, more efficient use of faculty and facilities and the possibility of increasing enrollment.

Other schools using the quarter system include Northwestern and the universities of California and Chicago. Adoption of the system has been recommended at M.I.T. and may soon be put in to effect at the University of Illinois.



Students Will Research And Design Roll Bars For Indy '500' Race Cars

When a race car rolls over, one thing saves the driver from being crushed to death — the roll bar. Most times it works; sometimes it doesn't. Many times it wouldn't pass the ultimate test because of inadequate design.

Now, for the first time, a scientific investigation of the roll bar will be made and Rose Polytechnic Institute, cooperating with the U. S. Auto Club, will do it.

Students Collect Data

During the spring semester, eight to 10 students will collect data for statistical analysis of (a) types of racing crashes (systems failures is the engineer's word for it); (b) severity of crashes; (c) effects of kinds of race track surfaces; (d) shapes of roll bars and their behavior in various types of crashes; and (e) directions of forces applied on cars and roll bars in crashes.

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BRITISH STUDY, TOUR OFFERED THIS SUMMER

Rose Polytechnic Institute will conduct its first European study tour this summer, open to all classes.

The tour leaves New York by air July 3 and returns Aug. 20. The first six weeks, students will be in residence at the University of Exeter in Southwestern England studying modern British history and literature. Six hours credit will be given. A seventh week will be spent sight-seeing in and around London.

Cost of the tour is \$975, including air fare, room, board, tuition and sight-seeing tours. Limited to 25 students, space is still available. Tour director is Dr. William Young, new humanities professor, chaplain and drama club adviser.

MacArthur's Engineer Guest at Military Ball, SAME Dinner Speaker

The World War II commander of the Army Engineer Construction Command, Southwest Pacific, was guest speaker at the annual military banquet and ball this year, sponsored by the Rose student section of the Society of American Military Engineers.

He is Mjr. Gen. Leif Sverdrup (ret.), president of Sverdrup and Parcel, St. Louis-based international consulting engineers, and member of Rose's board of managers.

Built Airfields for Army

Gen. Sverdrup was a civilian in the Pacific at the war's outbreak, supervising construction of a chain of air bases, a ferrying route to the Philippines and Australia, which his company designed for the Army. He was commissioned a colonel in 1942. During the Leyte and Luzon invasions he was acting chief engineer to Gen. MacArthur. Later, as commander of the Engineer Construction Command, he was responsible for the construction of 200 airfields and numerous roads, bridges, hospitals and docks.

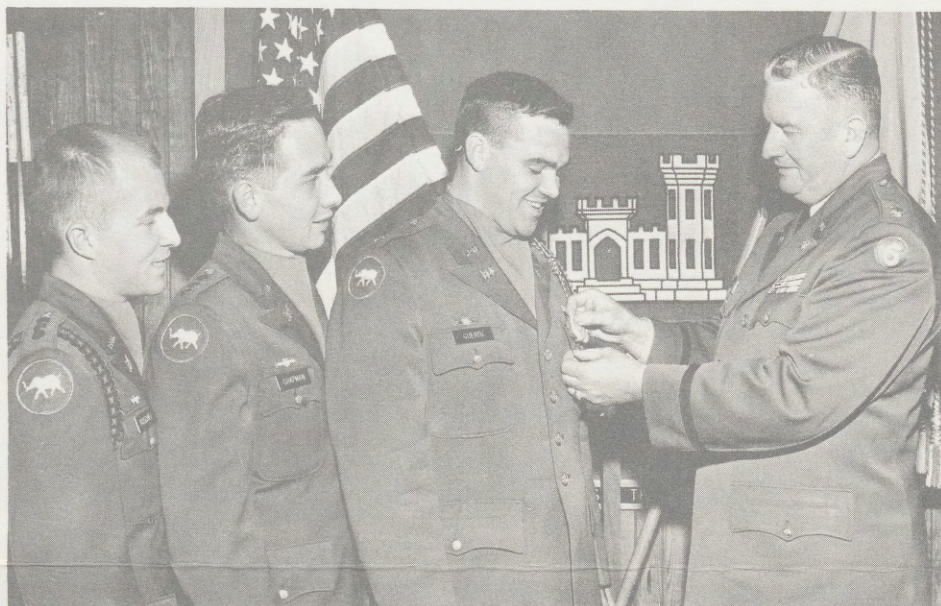
At the ball, Gen. Sverdrup proclaimed 18-year-old Margie Price, Cloverdale, Ind., "Honorary Cadet Colonel" to reign that evening. Donald Larkin, also of Cloverdale, was her escort.

NASA PHYSICIST HOLDS SEMINAR

National Aeronautics and Space Administration astrophysicist Dr. Hong-Yee Chiu was a recent seminar speaker on neutrino astrophysics, quasars and general relativity.

Rose Parents' Association

William Carter, president
327 N. Jasper St., Gary, Ind.
Mrs. Richard James, 1st vice president
Box 237, Seelyville, Ind.
Joseph Cull, 2nd vice president
3508 Longview Ave., Bloomington, Ind.
Raymond Beattys, recruitment chairman
3113 Houston Blvd., Louisville, Ky.
Delmer Huppert, activities chairman
1545 Windermire St., Indianapolis, Ind.
Mrs. Gilbert Bosworth, co-chairman
1400 S. 21st St., Terre Haute, Ind.
E. J. Wodicka, communications chairman
217 Arcadia Dr., Terre Haute, Ind.
Eli Gesell, co-chairman
366 S. Linden, Decatur, Ill.
Dr. Robert Lancet, development chairman
20 Nitche Dr., Terre Haute, Ind.
Edwin Jirousek, co-chairman
18718 Southview, Cleveland, O.



OUTSTANDING STUDENTS—Receiving the Distinguished Military Student badge from Army Lt. Col. John Dougherty, Rose ROTC commander, are (left to right) William Kuschel, Morton Grove, Ill.; Ronald Chapman, Anderson, Ind.; and Elmer Guerri, Clinton, Ind. All are seniors in the top 10 per cent of their military science class and have demonstrated outstanding leadership qualities and military aptitude.

Drama Club Stages First Production: H. Ibsen's 'An Enemy of the People'

The newly formed Rose drama club recently staged its first production — Henrik Ibsen's "An Enemy of the People."

Director was Dr. William Young, new chaplain and associate professor of humanities, who's acted with London's world-famous Old Vic classical dramatic troupe. His assistant was Reid Sonner, Terre Haute.

Cast of Characters

Playing the lead, Dr. Stockman, was Bruce LeRoy, Marion, Ind. Cast as his brother, the mayor, was Lee Peters, Evansville, Ind. The newspaper editor was Dave Gissel, Racine, Wis. His associate was Tom Compton, Indianapolis.

The printer was Bill Ataras, Indianapolis. Don Fellows, Sandstone, Minn., was the sea captain. Redick Horton, Zionsville, Ind., played Dr. Stockman's father-in-law.

Dexter Hill, Bethesda, Md., was stage manager. Assisting him was Jim Monda-baugh, Hobart, Ind. Business manager was Randall Drew, Evansville, Ind.

Next production will be "Inherit the Wind" on Parents Day, May 1.

Spring vacation begins Wednesday afternoon, April 14, and ends April 21.

STUDENT AID THIS YEAR WILL EXCEED \$240,000

Rose Polytechnic Institute financial aid to students in scholarships and loans will total more than \$240,000 this year, a 30 per cent increase over last year, according to estimates by Dean of Students Ralph Ross.

This year, \$114,000 will be given in 394 scholarships and more than \$129,000 in some 300 loans, the bulk from National Defense Education act funds (\$80,000) and Rose-secured, low-interest, deferred bank loans through United Student Aid Funds, Inc.

The second semester this year, 269 students, or 42 per cent of the student body, will be receiving financial aid from Rose. The average amount is \$458. A semester's tuition is \$625. First semester statistics were about the same. Last year, about 35 per cent of the student body received assistance.

INDIANA STANDARD GIVES GRANT

The Standard Oil Co. of Indiana recently gave a \$5,000 unrestricted grant to Rose because of the "general excellence of its program." Past grants of the company have totalled \$8,000 since 1959.

Alumni And Sons At Rose Attend Homecoming Weekend

Two generations of Rose men — 11 alumni and their sons, who are now students at Rose — participated in Homecoming weekend activities this year.

They are Edward Wodicka ('37), Terre Haute, and son Steven; Harmon Rose (F'43), St. Mary's of the Woods, Ind., and son Larry; Andrew Spence ('31),

Students To Study Race Car Roll Bar

(Continued from Page 1)

Much of the data will be obtained by studying films of racing crashes. The analysis will be done with the aid of the school's computer. And conclusions will be incorporated in what may be the first scientifically designed roll bar.

Directing the study will be Prof. Irvin Hooper, mechanical engineering department head, assisted by Prof. Edward Eckerman and Robert Steinhäuser, assistant professor.

To aid the research, Indianapolis Speedway president Anton Hulman, a member of Rose's board of managers, has loaned Rose a "500" type car from his Speedway museum. The car is John Zink's Leader Car Special, winner of the 1958 Italian Monza "500." Jim Rathman drove the Offenhauser-powered fire red car to a sizzling 166.72 m.p.h. average.

While the car will not be used in any tests, it will help in studying and designing roll bars.

PHOTOMICROGRAPHS SHOWN IN YEAR-LONG ART SERIES

Photomicrographs by Dr. Roman Vishniac, one of the world's foremost scientific photographers, were recently displayed at Rose Polytechnic Institute.

Outstanding color photographs shown, many taken with the aid of a microscope, included a cross-section of plant root; view through a wasp's eye (the second time this has ever been done); male and female hormones enlarged 50,000 times; and amoebas feeding.

Other recent art exhibits featured the Maine coast watercolors of Elmer Porter, Indiana State College art department head; and selected portraits, landscapes and still-lives from the permanent collection of the Sheldon Swope art gallery, Terre Haute.

The year-long series of art shows is one way of supplementing the increased liberal arts courses offered and is intended to broaden the cultural experiences of engineering and science students.

Crosley, Tex., and son Andrew; Harmon Shaw ('46), Charlotte, N. C., and Richard; and Robert Dinkel (Jy'44), Terre Haute, and Gerald.

Fathers and Sons

Also William Serban ('38), Terre Haute, and son William; Arthur Keiser ('28), South Bend, and David; John Stineman ('37), Cincinnati, and Jerome; Henry Nancrede ('29), Indianapolis, and David; William Plenge (S'47), Vicksburg, Miss., and son William; and John Trueb ('30), Shelbyville, Ind., and Thomas.

A pep rally in the field house was a feature of the Friday night Homecoming activities. Peter Canalia, Chicago, was master of ceremonies. Dr. John Logan crowned 19-year-old Beth Strohl, Terre Haute, Rose's first Homecoming queen. Dave Hussung, Louisville, Ky., was her escort. After the rally, a gigantic bonfire 40 feet wide and 30 feet high was lit on the edge of the gridiron.

Saturday afternoon, Rose's football squad lost 52-7 to Principia College of

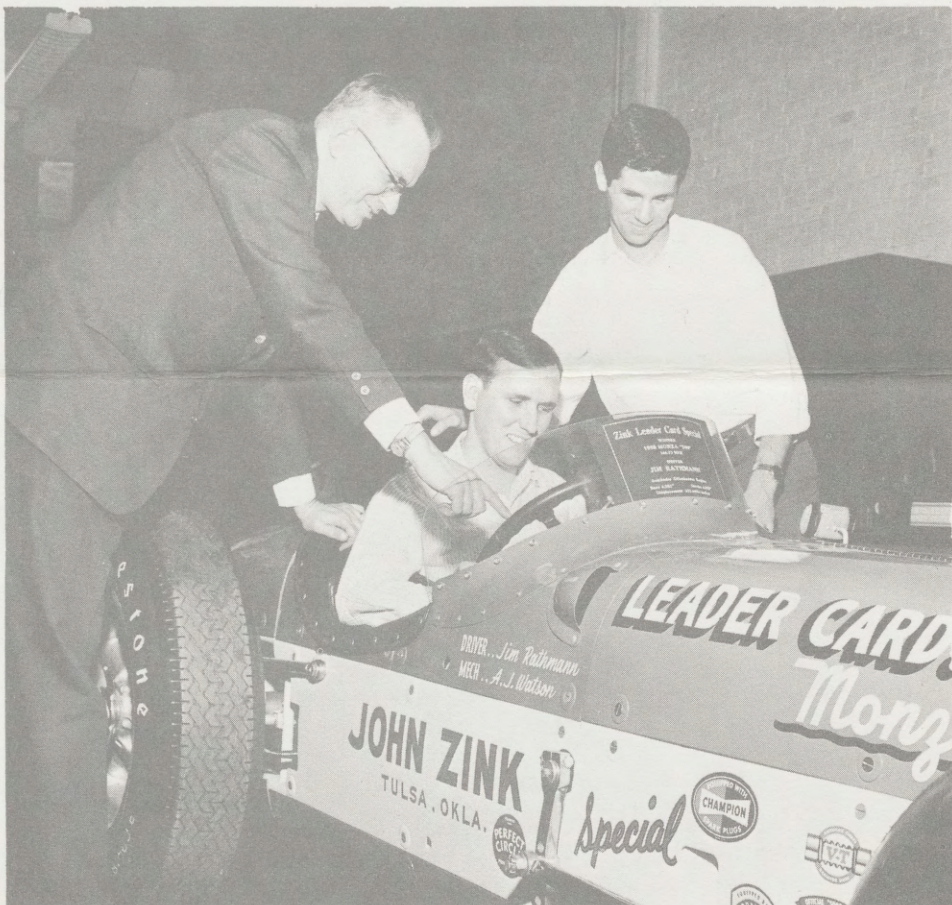
Illinois but the crowd was on its feet cheering when Bill Lewis, Gary, Ind., blocked a field goal try and Mike Melford, Bloomington, Ind., scooped up the loose ball and galloped 62 yards to score.

That night, the senior class was the alumni's guest at the annual Homecoming banquet. John Diefenbaugh, Elkhart, Ind., senior class president, spoke. Later, at the ball, queen Beth Strohl presented the Inter-Fraternity Council trophy to Evan Johnson, Hutsonville, Ill., Alpha Tau Omega president, for best Homecoming house display.

THETA XI AIDS M.D. DRIVE

Theta Xi fraternity assisted again this year in the fund drive of the Wabash Valley (Terre Haute) Muscular Dystrophy Association. Team captains were Michael Redman and Robert Wattleworth, Olney, Ill.; William Goodwin, Harvey, Ill.; and Gregory Samoluk, Adrian, Mich. Thomas Evans, Lansing Ill., is president.

RESEARCH VEHICLE—Prof. Irvin Hooper, mechanical engineering department head, points out features of Indianapolis "500" type race car to James Brown (in car), Memphis, Ind., and Michael Francis, Mattoon, Ill. Students will use car to research and design a safe roll bar.



ROSE ECHOES POLYTECHNIC INSTITUTE

SECOND-CLASS POSTAGE PAID
AT TERRE HAUTE, INDIANA

ROSE BUDS

Freshmen Elect Class Officers

John Andis, Sandborn, Ind., was elected Freshman Class president; Kenneth Rogers, Cincinnati, was elected vice president; and Joseph O'Brien, Indianapolis, secretary-treasurer . . . Barry Raff, Indianapolis, is Sophomore Class president; David Honey, also of Indianapolis, is vice president; and James Kane, Lawrence, Ind., is secretary-treasurer.

Inter-Dormitory Council chairman is Allyn Haase, Evansville, Ind., Speed Hall chairman. Other dormitory chairmen are Gene Helms, Bloomfield, Ind., B-S-B Hall; and Don Esserman, Chesterton,

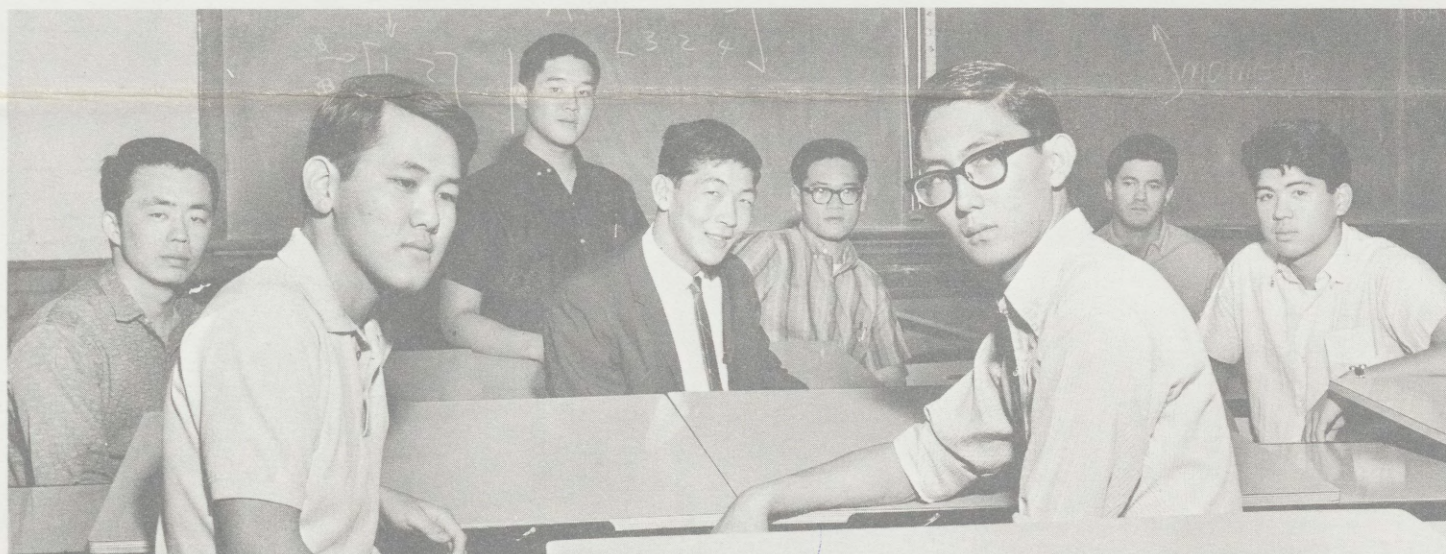
Ind., Deming Hall . . . Terry Schultz, LaPorte, Ind., is president of the glee club . . . Lawrence Duvall, Atlanta, Ind., is student director of the ROTC band.

Outstanding Athletes

John Lynn, Bicknell, Ind., No. 1 cross-country runner, was elected captain of the team . . . Bill Lewis, Gary, Ind., was the football squad's "outstanding defensive player;" quarterback Gib Bosworth was "leading ground gainer" . . . Jeffrey Barton, Bradford Woods, Pa.; Paul Kueber, Evansville, Ind.; and William Egar, Hollis, N.Y.; have each carded high score for the rifle team in meets

this season. Barton has been high man twice.

Peter Stewart, Holden, Mass., is commander of Rose Rifles, ROTC precision drill team. Other members are Richard Hammond, Indianapolis; Roger Hybeck, Cleveland; William Knannlein, Indianapolis; Michael Lewellyn, Elwood, Ind.; Steven Marlin, Hope, Ind.; Raymond Mendenhall, Union City, Ind.; Gary Mitchel, Indianapolis; James Mitchel, Galesburg, Ill.; Joseph O'Brien, Indianapolis; Richard Vasquez, Sigel, Ill.; Rodney Yamamoto, Honolulu; Daniel Mohr, Greenfield, Ind.; Robert Ooton, Effingham, Ill.; Larry Plew, Linton, Ind.; James Rabold, Greenwood, Ind.; Kenneth Rogers, Cincinnati; and Heinz-Holger Ropers, Glenview, Ill.



HAWAIIAN STUDENTS—Presently studying at Rose are (left to right) Dennis Morihiro, Edward Onouye, Curtis Yee, Melvyn Izumi, Chester Choy-Hee, Wilfred Otaguro, Joseph Krueger and Rodney Yamamoto.