

2-1968

Volume VII - Issue 1 - February, 1968

Echoes Staff

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Recommended Citation

Staff, Echoes, "Volume VII - Issue 1 - February, 1968" (1968). *Rose Echoes*. 125.
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CSC's Board Chairman Wheeler Named First Rose Award Winner

Rose Polytechnic Institute will present the first Chauncey Rose Award to Maynard C. Wheeler, past president and chairman of the board of Commercial Solvents Corp.



The award will be given May 28 at a 10:30 convocation.

According to Dr. John A. Logan, President, the Chauncey Rose Award winner is chosen by the faculty and staff of Rose from those with outstanding business back-

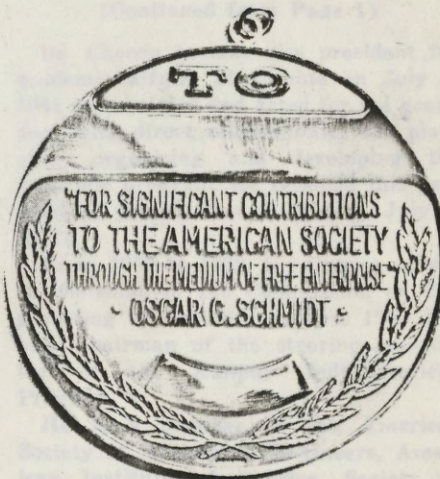
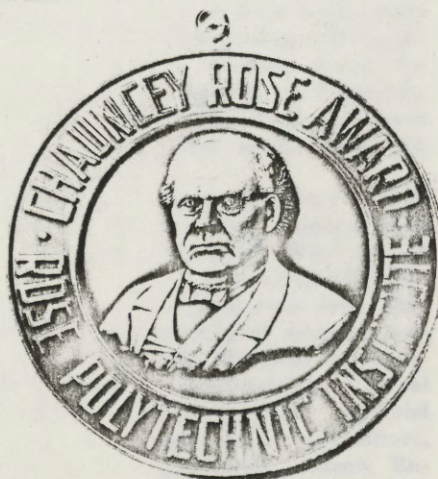
M. C. Wheeler business backgrounds, preferably with an engineering or science background, who have contributed substantially to the free enterprise system in the United States.

Following a letter from Dr. Logan notifying Mr. Wheeler that he had been selected for the honor, the Commercial Solvents board chairman replied, "To be given an award bearing the name of

Chauncey Rose is indeed an honor . . . accepted with great humility. Chauncey Rose was a great humanitarian and Rose Polytechnic is a monument to his vision of planning for the future."

Maynard Wheeler's distinguished career with Commercial Solvents Corp. has covered a span of 45 years, climaxed by his election as chairman of the board in 1966. The seven years he served as president, from 1959 to 1966, was a major growth period for CSC. He was elected to the board of directors in 1950 and will continue to serve as a consultant and on the board of CSC, as chairman of the board and on the board of directors and executive committee of Northwest Nitro-Chemicals Ltd. and on the executive committee and board of

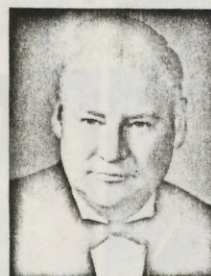
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CHAUNCEY ROSE MEDAL—Bearing the likeness of Chauncey Rose on the obverse side and a quotation by Oscar C. Schmidt on the other, the first Chauncey Rose Award will be given May 28 to Maynard C. Wheeler, past president and chairman of the board of Commercial Solvents Corp. The award is for "Significant contributions to the American society through the medium of free enterprise."

Chenea To Give Commencement Speech June 8

Dr. Paul F. Chenea, former vice president for academic affairs at Purdue University and now scientific director of the General Motors Corp. research



laboratories, will be speaker at the 90th Commencement of Rose Polytechnic Institute, Saturday, June 8.

Approximately 180 are expected to receive their degrees from Rose this June; seven who completed their work in December, 10 in March and 163 in June. In addition, five distinguished men will be honored with doctoral degrees.

Dr. Chenea, who will receive a Doctor of Science degree from Rose, earned his BSCE degree at the University of California and his M.S. and Ph.D. degrees at the University of Michigan. During World War II, he was in Army Ordnance where he attained the rank of lieutenant colonel.

After teaching at the University of Michigan he went to Purdue in 1952 where he was head of the Department of Engineering Mechanics, associate dean of the Schools of Engineering and head of the School of Mechanical Engineering. From 1958 to 1959, he was on leave to serve as Webster Professor of Electrical Engineering at M.I.T.

(Continued on Page 2)

R. E. Crandall Sherer Elected To Rose Board

Forrest Sherer, president of the Forrest Sherer Agency, Terre Haute, and Raymond E. Crandall, vice president of biochemical and biological operations and a member of the board of directors of Eli Lilly and Co., Indianapolis, have been elected to the Rose Polytechnic Board of Managers.

Re-elected chairman of the board was Dr. Henry Y. Offutt, former chairman

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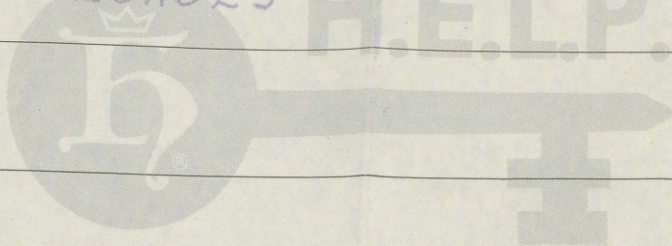
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Rose Helman Inc.

Stewart Warner Donates Equipment

South Wind Division of the Stewart-Warner Corp., Indianapolis, has donated a specially designed heat exchanger worth \$2,000 to the college's Mechanical Engineering Department.

The equipment will enable undergraduate students to gain a working knowledge of cyrogenic (sub-zero temperature) equipment.

The presentation was made by Joe Rutledge, manager of industrial products for the South Wind Division; Fred Hausalter, manager of engineering, industrial products, and Ross Trotman, manager of salaried employment.

The special heat exchanger is capable of operating between 150 degrees above zero and 150 degrees below zero. The industrial counterpart of this unit can be used to operate between 400 degrees above zero and 452 degrees below zero.

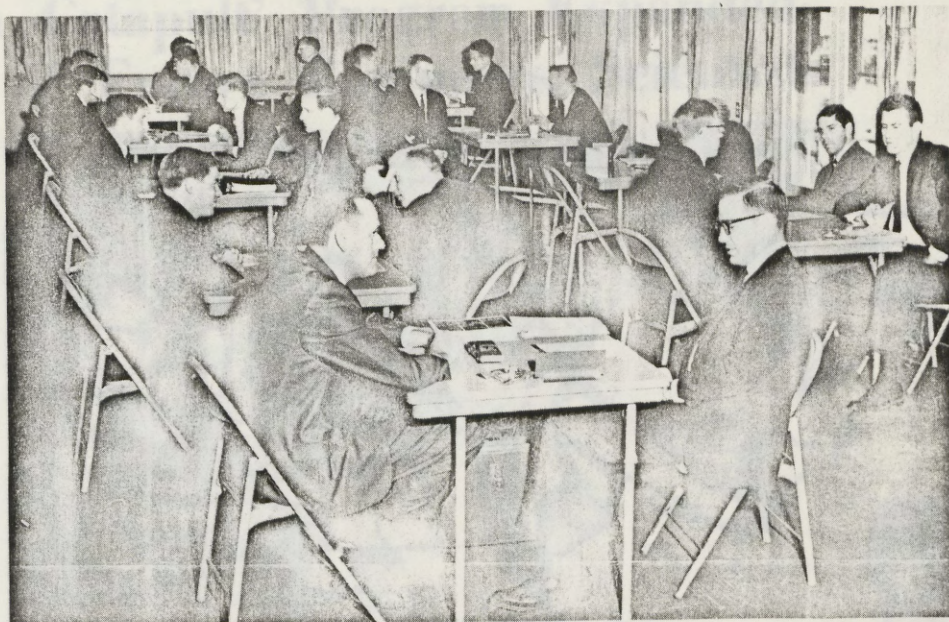
Wheeler Selected For Rose Medal

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directors of Instituto Chemioterapico Italiano.

As a chemical engineer and top management executive, Mr. Wheeler is a strong advocate and spokesman for scientific and technological progress through the joint endeavor of American business and the nation's universities, colleges and the public school system. Under his leadership, Commercial Solvents' strength, resiliency and prospects advanced to new levels. His constant emphasis on the necessity of progressive change in a rapidly changing, advancing world has resulted in the development by CSC of chemical technology reaching into many fields.

Mr. Wheeler will receive the Chauncey Rose Medal and deliver the Oscar C. Schmidt Memorial Lecture. The lecture, delivered before the student body of the Institute, is possible through an endowment established to call to the attention of students the importance of industry in our social and economic development. Established by the Cincinnati Butchers' Supply Co. in memory of the firm's founder, Oscar C. Schmidt, income from the endowment is used to present an annual campus lecture. President of the firm is Oscar Schmidt, son of the founder.



GM SEEKS ROSE GRADS—On busier days (and they come often) or when groups of interviewers are on campus, the former Student Center is pressed into service. This is part of the picture when General Motors sent a team of recruiters to Rose last fall.

Senior Recruiting Continues Pace; Graduates Average 10 Interviews

Recruiters from 139 industries and local, state and national government agencies arranged for interviews with the 195 seniors at Rose Polytechnic Institute during the months of January and February, according to Prof. Paul B. Headdy, director of admissions and placement.

According to Headdy, the "open season" for recruiters at Rose began early in October and most seniors will be interviewed at least 10 times during the six-month period ending in March. By the end of February, most will have made their decisions as to which job offers to accept.

The list of firms and agencies sending recruiters to the Rose campus each year reads like a "Who's Who" of the giants of industry and government agencies and includes firms from both East and West coasts. Federal agencies represented include the National Aeronautics and Space Administration, Naval Ordnance Laboratory, Army Materiel Command, Department of Agriculture, Naval Ammunition Depot, Atomic Energy Commission, Army Corps of Engineers, Department of the Navy and the Department of the Interior.

All types of industry have taken part

in the year's program at Rose including the largest of the steel, rubber, chemical, automotive and electronics firms as well as small consulting firms.

Chenea Will Speak At Commencement

(Continued from Page 1)

Dr. Chenea became vice president for academic affairs at Purdue on July 1, 1961 and assisted and acted for the president with direct responsibility for planning, organizing and developing the academic program. He retained this post until he joined General Motors, July 1, 1967.

From 1960 to 1962, Dr. Chenea served as chairman of the Commission on Engineering Education and, since 1960, has been chairman of the steering committee of the Kanpur Indo-American Program.

He is a member of the American Society of Mechanical Engineers, American Institute of Physics, Society of Automotive Engineers and the American Academy of Arts and Sciences.

Commencement exercises at Rose will begin at 10 a.m. in Shook Fieldhouse.

Summer 'Operation Catapult' Program Expanded To Meet Demands of Future Engineers, Scientists

With enrollment limited to only 60 students in each of the two "Operation Catapult" sessions at Rose Polytechnic Institute this summer, inquiries are already being received, according to Dr. Marvin McMillin, director of the program.

Designed for prospective engineers and scientists, "Operation Catapult," begun last year, was a single four-week incentive program for young men who had completed their junior year of high school. Popularity of the program was shown by the total of 67 students coming from as far away as Florida, Texas and New Jersey. Twenty were from outside Indiana, 10 from the Vigo County area and 37 from other Indiana communities.

Two identical sessions have been planned for this summer at Rose, the first from June 16 to July 11 and the second from July 14 to Aug. 8. The decision to enlarge the program from the single session of last year was made to accommodate the large number of applicants who met entrance qualifications but for whom instructional personnel and facilities were not available.

Officials at Rose emphasize that "Operation Catapult" is not a remedial program but has been designed to allow students to integrate and supplement previous learning while living in a group on the Institute campus.

Although lectures are used, emphasis is placed upon a practical problem-solving approach involving extensive laboratory work. Each student takes part in individual and group projects which may be suggested by themselves or by the



SMALL GROUPS are the rule, not the exception, at Rose during "Operation Catapult." Dr. Alfred Schmidt, a regular member of the Rose Mathematics Department, is shown as he guided a discussion group at the first "Catapult" session last summer.

faculty. Field trips and educational films are also a part of the program.

To encourage student exploration, an outstanding faculty will guide rather than dictate. In addition to Dr. McMillin as director, other Rose faculty members who will take part in the program are Dean Herman A. Moench, vice president for academic affairs and Josephus Collett Distinguished Professor of Engineering; Prof. Alfred R. Schmidt of the Mathematics Department, and Dr. Oran M. Knudsen, professor of chemistry and chairman of that department. Harry Johnson, science coordinator of the Vigo

County Schools, will also be a member of the Catapult faculty. In addition, a group of Rose upperclassmen selected for their academic and leadership abilities, will work closely with the students.

The content of each program will include work in mathematics, physical science, the humanities and elementary engineering problems. Students will also become involved in elementary computer programming, in reading improvement, and in recreational activities, both organized and unorganized.

Students will have a look at the development of mathematical tools and their use in applied science and methods for measuring quantities that can be used to describe physical properties of matter. In humanities, they will investigate methods by which scientific information can be formulated and communicated. Each of the two programs will also include attendance at dramatic and musical performances being offered in the area.

Each program will emphasize the unified approach and an attempt will be made to use the insight from all areas of knowledge in solving problems.

Classrooms, laboratories and dormitories are all air conditioned and meals will be served in Hulman Memorial Student Union which overlooks the two picturesque lakes.

With NASA Grant

Rose Project Reaches for Stars

The National Aeronautics and Space Administration (NASA) has made an extension grant of \$10,000 to Rose Polytechnic for continuation of a research project under the direction of Dr. Harold Sabbagh, associate professor of electrical engineering.

Through the original grant of \$16,000 last year, Dr. Sabbagh and two graduate students were concerned with the general development and improvement of MASER systems.

"MASER," which stands for Microwave Amplification by the Stimulated

Emission of Radiation, is concerned with low-noise devices used for communications in deep-space probes. Through the use of MASER, it is possible to receive better signals from deep space without the masking effect of background noise. For the same reason, the MASER system is used extensively in radio astronomy.

Research of this kind at Rose supports the undergraduate program. Courses in quantum mechanics, solid state physics and electromagnetic theory are offered which enable students to study such advanced concept systems.

Course Bridges Gap Between Medics, College

Rose Polytechnic Institute's new Biological Engineering Department is offering an additional course the second quarter of this academic year to establish communication between its students and workers in the biological and medical professions.

Known as "Problems in Medicine," the course is being presented by local physicians, hospital administrators, drug manufacturers and others in areas related to Biological Engineering.

Following the presentation of practical problems by the professionals, the staff and students conduct "brainstorming" sessions at separate meetings to clarify problems and suggest possible avenues of attack.

Each student designs a feasible solution to each problem and the solutions form the basis of the mid-term examination.

The Rose Biological Engineering Department, established this year, is believed to be one of the first separate departments of its kind in the nation. Headed by Dr. Robert Arthur, the department will grant both B.S. and M.S. degrees in Biological Engineering. Other members of the department faculty are Dr. Frank Freedman and Dr. Michael Breitmeyer. On the supporting staff are Dr. Herbert Bailey, professor of mathematics, instructing in biomathematics; Dr. Benjamin Benjaminov, professor of chemistry, who teaches biochemistry; Dr. Stan S. Thomas, associate professor of mechanical engineering, instructing classes in human factors; Dr. Harold Sabbagh, associate professor of electrical engineering, and Dr. Warren Bowden, associate professor of chemical engineering, who is conducting courses on air pollution.

Lecturers in Bioscience-Biological Engineering and their fields are: Dr. John R. Mitchell, radiologist; Dr. Edward M. Johnson, obstetrics and gynecology; Dr. William W. Drummy, cardiovascular; Dr. William E. Scully, pediatrics; Dr. Jack G. Weinbaum, pathology, Dr. L. Lenyo, internal medicine; Dr. Thomas J. Conway, pediatrics; Dr. James Cristee, digestive system; Dr. Donald J. Carpenter; and Dr. Joel Warren, biologics research.



MOON WHEEL—Joel Schachter, mechanical systems engineer of the Grumman Aircraft Engineering Corp., shows Dr. John A. Logan, Rose President, a metalastic wheel developed by his firm for use on lunar soil. Schachter was a speaker at the Sixth Annual Great Lakes Regional Student Chapter Conference of ASCE held on the Rose campus.

Subjects of ASCE Meeting Range From Moon to Depths of Ocean

The Rose student chapter of the American Society of Civil Engineers (ASCE) was host for the Sixth Annual Great Lakes Regional Student Chapter Conference Friday and Saturday, Feb. 16-17, on the Rose campus.

Students and faculty members from 28 colleges and universities in the Midwest attended as well as engineers, architects, contractors and materials suppliers from the Indiana-Illinois area.

The program was formed around the central theme, "Civil Engineering Looks Toward the Future." Donald E. Baker of Orleans, Ind., a senior Civil Engineering student at Rose, was chairman of the conference. Activities included three banquets, five lectures and a student paper contest.

Registration beginning at 10 a.m. Friday, Feb. 16, in the Hulman Memorial Student Union lobby was followed by a banquet featuring a welcoming speech by Dr. John A. Logan, President of Rose. The evening banquet was highlighted with remarks by William H. Wisely, executive secretary of ASCE. Presentation of awards was made during the Saturday noon banquet.

Speakers during the conference, the companies they represent and their top-

ics were: Joel Schachter of Grumman Aircraft Corp., "Lunar Locomotion and Simulation;" Tom Henderson of the Guy F. Atkinson Co., "The Oakland-Alameda County Coliseum Complex;" Don Potter of the Naval Facilities Engineering Command, Department of the Navy, "Deep Ocean Engineering;" Cornelius Wandmacher of the University of Cincinnati, "Development of the Engineer," and Patrick Lynch of the Harza Engineering Co., "Erie-Niagara Basin, New York State Comprehensive Water Resources Plan."

The conference was open to all engineering students and practicing engineers.

\$5,000 Unrestricted Grant Presented by Standard Oil

An unrestricted grant of \$5,000 has been presented to Rose Polytechnic by the Standard Oil (Indiana) Foundation for the improvement of education.

B. J. Harper, Standard Oil Co. district manager from Indianapolis, and Worth Holmes of the planning and engineering department, Whiting, represented the foundation at the presentation.

Establishment of Rotz Memorial Engine Laboratory Will Give Undergraduates True Learning Experience

Funds contributed in memory of the late Rhiman A. Rotz, chairman of the U. S. Auto Club rules committee and president of the John M. Rotz Engineering Co., Inc., Indianapolis, will be used to establish an engine laboratory at Rose Polytechnic Institute, it has been announced by Dr. John A. Logan, Rose President.

Rotz, a 1937 Rose graduate was killed Sept. 6 in the crash of a private airplane near Crawfordsville which also took the life of Johnny Pouelson, former race driver and master mechanic.

The Rhiman A. Rotz Memorial Engine Laboratory was selected by his widow, Mrs. Frances Rotz, as a project consistent with his great lifetime interest.

During the summer of 1966, facilities of the Rose 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 and will be used almost exclusively by undergraduates. It is believed that a properly equipped and instrumented engine laboratory will enable the Institute to maintain and develop interest in this vital area of engineering.

Space in the Main Building at Rose has been allocated and provisions will be made for soundproofing, safety, ventilation and power.

Rhiman Rotz, Indianapolis engineer, had been prominent in United States Auto Club activities since shortly after it was formed in 1955 to replace the American Automobile Association as the sanctioning body for American open cockpit racing.

As USAC rules committee chairman, Rotz last year 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 was a graduate of Carmel High School and received his B.S. degree in chemical engineering. His father, John M. Rotz Sr., Muncie, Ind., vice president of the John M. Rotz Engineering Co., Inc., was a 1906 Rose Polytechnic graduate.

Crandall, Sherer Elected to Board

(Continued from Page 1)

of the board of the Kentucky Trust Co., Louisville.

Benjamin G. Cox, Terre Haute attorney-at-law, was elected vice chairman; Walter T. Osmer of the Equitable Life Assurance Society of the U. S., Terre Haute, was named secretary of the board and John T. Royse, president of the Merchants National Bank, Terre Haute was elected treasurer.

Named to the Executive Committee of the Rose Board of Managers were Benjamin Cox of Terre Haute, chairman; John T. Royse of Terre Haute, vice chairman; Richard F. Bergmann of Terre Haute, formerly vice president and chief engineer of the Link Belt Co.; Frederick M. Crapo of Muncie, formerly chairman of the board of the Indiana Steel & Wire Co.; Marshall Hubbard of Terre Haute, president of Weston Paper & Manufacturing Co.; James C. Skinner of Indianapolis, president and general manager of Thomas & Skinner, Inc., and Carl E. Ehrenhardt of Terre Haute, vice president of Winslow Government Standard Scale Works, Inc.

James C. Skinner of Indianapolis again heads the Board's Academic Committee. Other members of the committee are G. Lee Berry of Pittsburgh, Penn., chief engineer of the Jones & Laughlin Steel Corp.; Mr. Osmer, Carl L. Wischmeyer of Houston, Texas, master of Baker College, Rice University, and Mr.

Crandall.

Elected chairman of the Development Committee were Mr. Ehrenhardt, chairman; Russell E. Archer Sr. of Terre Haute, professional stock trader; C. E. Blanchar of Plainfield, president of Public Service Indiana; Mr. Cox; Mr. Sherer; Anton Hulman Jr. of Terre Haute, president of Hulman & Co., and Mr. Osmer.

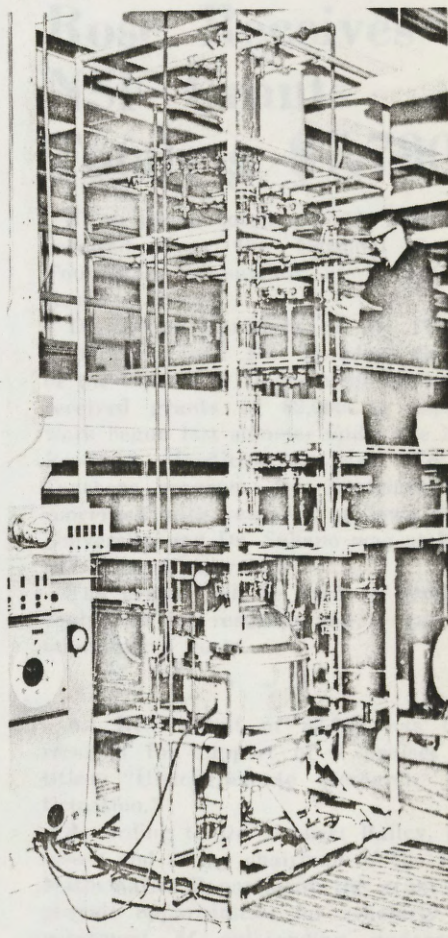
Members of the Honorary Degrees Committee are Mr. Bergmann as chairman, Edward Baur of Terre Haute and Mr. Berry.

On the Rose committee on Endowment or Investments Supervision are Mr. Crapo as chairman, Mr. Archer, Mr. Blanchar, Mr. Royse, and Robert Shattuck of Chicago, group vice president of the Borg Warner Corp.

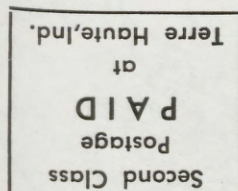
Mr. Hubbard heads the committee on Budget and Accounting. Other members are Mr. Bergmann and Mr. Osmer.

Mr. Osmer is chairman of the Advisory Committee on Fraternities. Other members are Mr. Bergmann, Mr. Ehrenhardt, Mr. Sherer and Ruel F. Burns Sr. of Terre Haute, chairman of the Weston Paper & Manufacturing Co.

Wendell E. Carroll of Stamford, Conn., president of Regent Controls, Inc., is chairman of the Nominating Committee. Other members are James D. Anderson of Findlay, Ohio, vice president of Marathon International Oil Co., Mr. Anderson; Mr. Skinner, and Mr. Blanchar.



NEW EQUIPMENT—Dr. Sam Hite, professor of Chemical Engineering and chairman of the department, takes a reading on the new Corning Glass distillation plant in his department. The unit is similar to large-scale equipment operated by practicing chemical engineers.



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

With Perfect 8-0 Record

Engineers Win Conference Title

The Engineers of Rose Polytechnic closed out their conference basketball schedule Feb. 20 with a perfect 8-0 record after winning their first Prairie College Conference title outright and making a strong bid for an NAIA tournament berth.

Up to press time for the Rose Echoes, the Engineers had an overall season of 17-7.

Last year, Rose tied with Illinois College for the conference crown and their Feb. 17 win over the same college by a score of 89 to 75 for sole claim to the title this year was especially sweet.

Institute Receives Grants From Du Pont, Union Carbide

A grant of \$2,500 has been received by the Institute's Chemical Engineering Department from E. I. du Pont de Nemours and Co. which will allow the department to fill needs and engage in activities not possible with funds already available.

The grant was one of six totaling \$51,000 to Indiana institutions of higher learning.

The department also received a grant of \$3,000 from the Union Carbide Corp. The grant, which was unrestricted, may be used for any purpose which will support the department's program.

In downing Illinois College, a new school scoring record was set by Don Ings, 6-1 mechanical engineering sophomore from Rochester, N. Y. Ings scored 19 of 28 field goal attempts and seven of nine free throws for a total of 45 points.

Ed Downey set the old Rose record in 1964 with 43 points. Rose Poly hit 38 of 82 field goal attempts and Illinois College made 28 of 89. The Engineers controlled the boards 62-51.

Jerry Wones added 16 points.

Rose followed the victory which earned them the conference title with an overwhelming 113-69 win over Principia to close out a perfect conference season.

It was Ings again, pouring through 33 points to swamp the Elsay, Ill., college on their own floor.

Marshall Hubbard Named To State Chamber Position

Marshall T. Hubbard, a member of the Rose Board of Managers since 1961 and chairman of the Committee on Budget and Accounting, has been named a vice president of the Indiana State Chamber of Commerce.

Mr. Hubbard, who is president of the Weston Paper & Manufacturing Co., Terre Haute, was elected to the state post at the organization's 1967 annual meeting Nov. 29 in Indianapolis.

Rose Receives NSF Grants Totaling \$7,780

Three grants totaling \$7,780 have been received from the National Science Foundation in support of projects at Rose.

Dr. James Kortright of the Physics Department and Dr. Theodore Sakano of the Chemistry Department have each received grants of \$2,000 to support work begun last summer under the NSF Research Participation for College Teachers program. Dr. Kortright was concerned with research at Iowa State University and Dr. Sakano was at Kansas State University.

The grants will be used to purchase equipment for research and to pay administrative costs.

* * *

An NSF grant of \$3,780 has been received for support of a project entitled "Undergraduate Research Participation."

According to Dr. Herbert Bailey, professor and acting chairman of the Rose Mathematics Department, the grant will provide opportunities for scholarly development of outstanding undergraduates. Three students from the Indiana-Illinois area will be selected on the basis of their scholastic records and on recommendation of their teachers in regard to their research potential.