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Homecoming Weekend Plans Set For Classes of '0 And '5

Homecoming will be Nov. 5-6 this year and the classes of 1915 and 1940, celebrating their 50th and 25th reunions respectively, will be especially honored.

Other classes holding reunions this year are those with graduation dates ending in zero or five.

Headquarters for the weekend will be, as usual, the Terre Haute House, where a registration desk will be set up in the lobby. All alumni are urged to sign the register, even if they are not staying at the Terre Haute House, so they may be easily located by their classmates.

In a departure from last year,

the weekend's activities will start Friday afternoon instead of Friday morning. This will give alumni traveling long distances more time to get to Terre Haute and an opportunity to attend the Alumni Institute.

On-campus registration for the Alumni Institute will begin at 12

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June Graduates Number 98—A Record For Rose

Ball State President Is Speaker

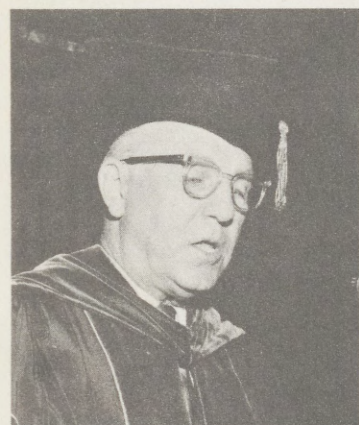
Members of the largest graduating class in the 91-year history of Rose Polytechnic Institute were awarded degrees at the 87th commencement exercises this year.

B.S. degrees were awarded to 98 seniors. Three M.S. degrees were awarded graduate students in physics, mathematics and chemical engineering.

The largest number of B.S. degrees was awarded in mechanical engineering. They numbered 27. Electrical engineering was next with 25. Then came chemical engineering with 15. Mathematics was next with 13. Civil engineering had nine; physics, five, and chemistry trailed all with four.

The Speaker

The president of Ball State University, Dr. John R. Emens, was the commencement speaker. His speech's title was "The Challenge of Inner Space," meaning "the space between our ears."



Dr. John Emens

Dr. Emens said "In this era, brainpower not manpower is essential. Our only source of knowledge about outer space will come from this inner space."

From Inner Space

Tremendous things have come from this inner space, Dr. Emens reminded his listeners. Thirty years ago, he said, Americans had never heard of jet planes, the sound barrier, split-level houses, Polaroid cameras, food freezers, hybrid corn, guided missiles, radar, dacron, bulldozers, V-8 engines, electric typewriters, color television, chlorophyll toothpaste, foam rubber, drive-in movies, bobby soxers, toreador pants for women, fibreglas, automatic transmissions, electric razors, the United Nations, the four-minute mile, formica, bubble gum or the atom bomb.

"Ninety per cent of all the great scientists who ever lived are alive today," he said.

"Seventy-five per cent of what we know was not in textbooks when I was in high school—because we did not know it then.

"The next 25 years will be an era of scientific achievement unequalled in history," he predicted.

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Ruel Burns One Of Six Honoraries

Ruel Fox Burns, distinguished alumnus, class of '15 and long-time member of the Rose Board of Managers, was one of six recipients of honorary degrees at the 87th annual commencement this year.

Burns was awarded an honorary Doctor of Engineering. Others receiving that degree were Army Brig. Gen. William Bessell, recently retired dean of the academic board at West Point and Rose military science professor, 1924-28; and Fred Young, president, Young Radiator Co., Racine, Wis.

Honorary Doctor of Humane Letters degrees were presented to John T. Royse, president, Merchants National Bank, Terre Haute, and vice chairman of Rose's Board of Managers; A. N. Levin, president, Levin Bros., Terre Haute wholesalers and member of Rose's businessmen's advisory Board of Associates; and Dr. John R. Emens, president, Ball State University, Muncie, Ind., and the commencement speaker.

For Service

Burns, board chairman of Weston Paper and Manufacturing Co. in Terre Haute, was honored for "his service and contribution to the profession of engineering, to his community and to his college."

He began his career at Weston (then the Terre Haute Paper Co.) in the mill during the 1909 sum-

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Here it is. Well, what do you think? This is your new alumni publication. It will be published three times a year—late summer, after Homecoming and in the spring. We think it will serve your interests better than the old magazine ever did, or could. Our aim will remain the same: to keep you informed about Rose, our plans, the changes taking place, our progress; and about the alumni, their honors, their successes, their contributions to the professions. We think you'll like the new newspaper. We hope you'll help us make it interesting, lively and worthwhile reading. Let's hear from you.

Stineman, Cromwell, Jacob Vice Presidential Candidates

Nominated for vice president of the Alumni Association are **John B. Stineman**, '37, of Cincinnati; **DeWitt P. Cromwell**, '19, of Hubbard, O.; and **Brent C. Jacob, Jr.**, '34, of Detroit.

The nominations were announced by **John M. Phelps**, '33, this year's nominating committee chairman.

Serving on the committee with him were **Sidney C. Leibing**, '16; **Henry Y. Offutt**, '22; **E. Miles Griffith**, '23; and **Carl R. Wischmeyer**, '37.

Alumni Association members will vote on the nominees at the Association's annual meeting at Homecoming, Nov. 6. The vice president, elected to a one-year term, normally succeeds the president. This past year's vice president has been **Paul H. Reedy**, '35, of Newport Beach, Cal.

Stineman is presently associated with the Cincinnati column division of Stacey Manufacturing

Co. Previously he was plant superintendent for the Leymann Manufacturing Co. of Cincinnati. He was a representative for the Alumni Association's fourth district; class agent from 1961 to 1964; active in the Cincinnati Tech club, where he has served as an officer; and sent two of his sons to Rose, **John F.**, '64; and **Jerome**.

Cromwell is Bailey associate professor in the metallurgical engineering department at the University of Pittsburgh and a consulting engineer in Hubbard, O.

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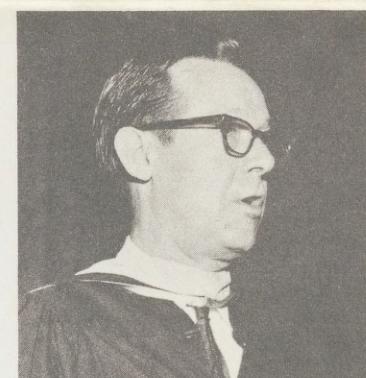
G. Zwerner Addresses Graduates

"You get no more out of something than you put into it."

In a line that was Alumni Association President **Gene A. Zwerner's** admonition to the Class of 1965.

He reminded the graduates that they found this was so as students in their studies, their social lives and their extracurricular activities. And he promised that it would continue to be true for them in their new relationship with Rose and the Alumni Association.

"Rose has long been . . . known . . . among the best of engineering schools of the nation. Rose is determined to become . . . known nationally as the best in engineering and scientific undergraduate education," Zwerner said.



Gene Zwerner

President Zwerner pointed out that to reach that goal, Rose has launched a \$12 million 10-year development program calling for three new dormitories and a million-dollar dining hall-student center to accommodate an enrollment of 1,050 by 1969.

Program Outlined

Also included in the program he outlined were a new research building, a learning resources center, a new recreation building, new roads and parking, increases to faculty salaries and expanded student aid.

"Our Board of Managers has approved this program, the Office of our President has accepted the responsibility of administering it and we, the alumni, must accept our part . . . as workers to bring this most worthwhile undertaking to a successful conclusion.

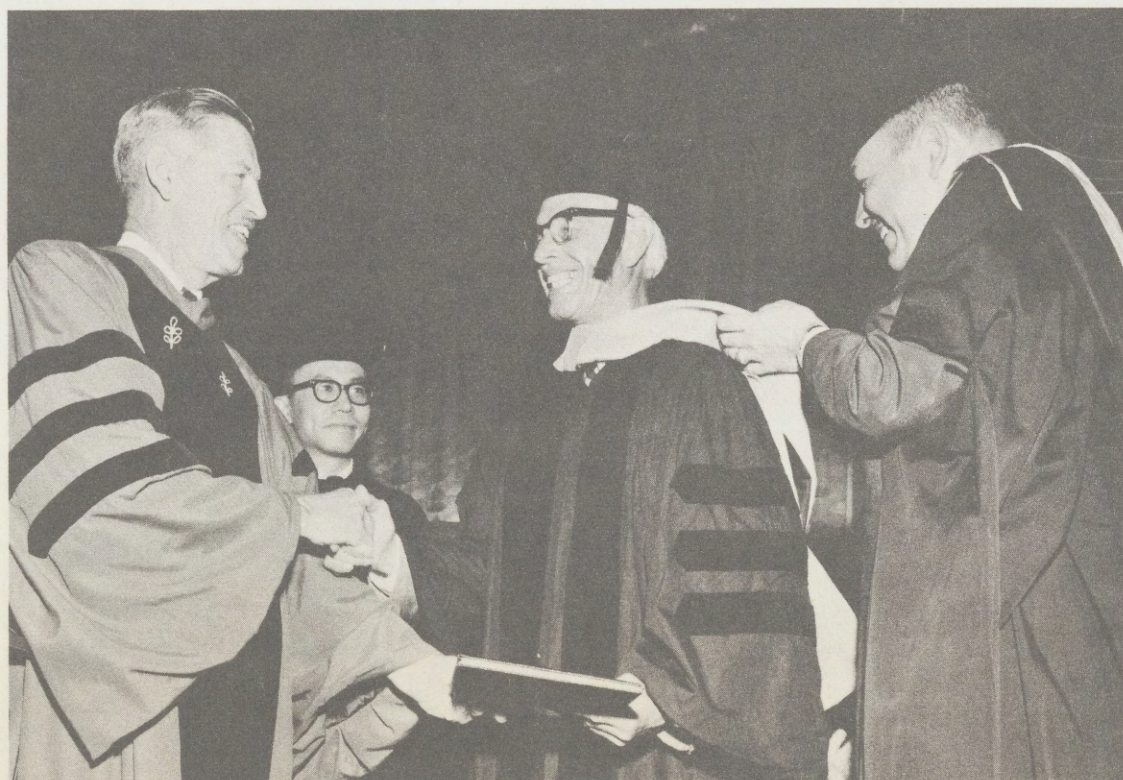
" . . . when our centennial takes place in 1974, we will each want to share in this great event and we will be rewarded exactly in proportion to what we put into it in the form of time, effort and resources.

"Each of us, including each of you graduates, through our local Rose Tech clubs, will be called upon to take an active part in this program.

"How can you do your part and how do you go about becoming active in the Alumni Association?"

Zwerner suggested this four-point procedure:

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HONORARY DOCTORATE—President John A. Logan presents **Ruel F. Burns, Sr.**, '15, with honorary Doctor of Engineering degree at commencement, while Dean **Herman A. Moench**, '29, places academic hood around Burns' neck. Looking on is Dr. Richard Pao, civil engineering department head, who presented Burns for the degree. Burns was one of six to receive honorary degrees at the 87th annual commencement exercises.

Lon Watson Elected To Rose Board

A. R. Watson, '22, president and general manager of the Southwestern Public Service Co., Amarillo, Texas, has been elected a life member of the Rose Board of Managers.

Also elected a permanent board member at the same time was another utilities president, Carroll H. Blanchar of Public Service Co. of Indiana.

Watson, a native of Terre Haute, majored in mechanical engineering at Rose and joined General Electric as a test engineer after graduation.

Work History

He entered the power industry in 1924 and joined the Texas-New Mexico Utilities Co. in 1935. Four years later he was elected vice president. He was named president in 1940.

Texas-New Mexico merged with Southwestern in 1942 and in 1947 Watson was made a vice president of the parent company. He became executive vice president and general manager in 1953 and was elected a director in 1959. He assumed the presidency in 1961.

Earlier this year Watson was made president of the Texas Atomic Energy Research Foundation. He is a director of the National Association of Manufacturers and received the Lubbock Christian College Distinguished Citizen award in 1964.

Another Manager

Blanchar, a Wisconsin native, earned his B.A. at the University of Wisconsin and his C.P.A. at the University of Illinois. He is also a graduate of the advanced management program at Harvard.

Before joining the Indiana utility he was president of Roddis Plywood Corp., Indianapolis, and before that, comptroller for United Air Lines.

Emens Sees Science King

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But despite all this, according to Dr. Emens, "we are still attempting to solve the same series of age-old problems people have been trying to solve down through the ages."

"People problems," he called them. Problems such as earning a living, family relations, citizenship, character, ethics, religion and health.

The Challenge

"The challenge of the Sixties," he said, "lies not so much with machines as with men. Management of machines is a skill; management of men is an art."

He concluded quoting from a report by the President's Commission on Higher Education concerning financing higher education.

"Education is an investment not a cost. It is an investment in social welfare, better living standards, better health and less crime. It is an investment in higher production, increased income and greater efficiency in agriculture, industry and government. It is an investment in a bulwark against garbled information, half-truths and untruths; against ignorance and intolerance. It is an investment in human talent, better human relationships, democracy and peace."

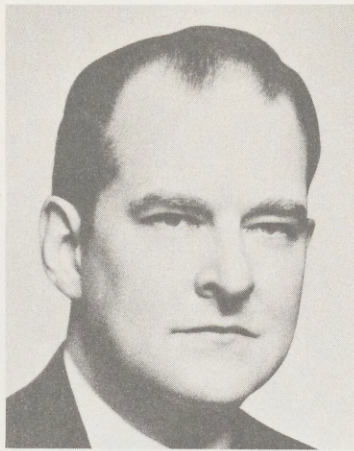
Heminway Medalist

The Heminway gold medal was won by a mathematics major, James J. Kuzmanovich of Osceola, Ind. His cumulative average was 3.92.

Only one other student graduated with high honors (cumulative average of 3.6 or higher). He was Thomas A. Evans of Lansing, Ill., a physics major. Thirteen qualified for honors (cumulative average of 3.1 or better).



Gen. John Dalrymple



Edwin Martin



Dr. Chester Stock

Three Alumni Stand Out In Their Professions

Brig. Gen. John C. Dalrymple, '33, Rose's only alumnus to achieve a general's rank in the Armed Forces, has been named director of military construction in the Office of the Chief of Army Engineers, Washington, D.C.

A combat engineer veteran of World War II, decorated with the Legion of Merit and Bronze and Silver Stars, he is a career soldier with 32 years of service.

A native of Brazil, Ind., Gen. Dalrymple graduated from Rose with a B.S. in electrical engineering and second lieutenant's commission in the Army Corps of Engineers.

War Record

In June 1944 he led the 82nd Engineers into Normandy. For that and later operations he was awarded the Silver Star twice and the Bronze Star.

In March 1945 he commanded the 117th Engineer Combat Group and directed its operations in the historic crossing of the Rhine. For that he won the Legion of Merit.

By war's end he had been promoted to lieutenant colonel and in 1947 graduated from the Command and General Staff College, Ft. Leavenworth, Kan.

The following year he earned a master's degree in civil engineering at Iowa State College. Gen. Dalrymple has also attended the Armed Forces Staff College, Norfolk, Va., and graduated from the National War College in 1960.

In 1949 Gen. Dalrymple was assistant deputy chief of staff for operations, European command. From 1956 to 1959 he was assigned to the Pentagon, first as chief of plans, Office of the Chief of Research and Development, and later as executive officer to the Secretary of the Army.

In 1961 he was named district engineer at Little Rock, Ark. The following year he was made

Edwin A. Martin, '46, has been elected president and chief executive officer of the Dominion Rubber Co. Ltd. of Canada. He was managing director of North British Rubber Co. Ltd., Edinburgh, Scotland.

Martin joins Dominion Rubber when it is pursuing the greatest expansion and modernization program in its history.

A native of Evansville, Ind., Martin joined the U.S. Rubber Co. in Mishawaka, Ind., as an industrial engineer. He majored in chemical engineering at Rose.

Rapid Rise

Martin rose rapidly in the company to assistant superintendent of the mill department at Mishawaka. In 1953 he was transferred to the Chicago plant as manager of industrial engineering. In 1954 he was made factory manager. Three years later he was named assistant general manager of the consumer and industrial products division, specializing in production.

He was appointed managing director of North British Rubber in Dec. 1961 and under his direction the company has greatly expanded and modernized its plants and diversified its products. New lines added by Martin include golf balls and plastics. Today North British Rubber is a major supplier of rubber and plastic products to the British auto and aircraft industries.

Army North Atlantic division engineer and promoted to brigadier general.

He is a regional vice president of the Society of American Military Engineers; a director of the Engineers Joint Council; registered professional engineer in the District of Columbia and Arkansas; and a member of Theta Xi fraternity.

Dr. C. Chester Stock, '32, has been presented the Alfred P. Sloan award in cancer research "in recognition of his role as one of the principal architects and leaders of the cancer chemotherapy program in the United States."

According to Mr. Sloan, "The awards not only recognize past achievement but they also provide the scientists with the time and opportunity to pursue their special research interests and to broaden their scientific contacts."

Recipients of the award undertake a year's affiliation with a research institution or similar organization dedicated to cancer research in this country or abroad. Each award winner receives \$10,000; travel and other expenses; and his full salary and benefits.

To Tour World

Dr. Stock has tentative plans to leave in December "for a few months at the Weizmann Institute in Israel. Then I hope to be longer at Cambridge and to tour abroad some of the research centers in Europe. We hope to have time at Stockholm or Upsala and some vacation in Finland. After that we'll try for time in Australia, Japan and California."

Stock is a member and vice president of the Sloan-Kettering Institute for Cancer Research in New York and director of the Donald S. Walker Laboratory at Rye, N.Y.

According to an announcement from the Sloan Foundation, "The concept of cancer as a disease amenable to chemotherapy has resulted in large part from the outstanding and original contributions made by Dr. Stock."

"He instituted the screening program of chemicals and materials of natural origin as possible cancer chemotherapy agents, designed the tumor spectrum for these studies and demonstrated

June Grad Wooed By Industries

Mr. Average in this year's graduating class had seven job interviews; four paid plant trips; five job offers; and, after all this wooing, accepted one paying \$640 a month. In all, more companies sought more Rosemen and paid more to get them than ever before, according to this year's placement survey.

Prof. Paul Headdy, placement director, reported 153 companies interviewed at Rose this year, compared with 140 last year.

The average man in the class of '64 had 6.5 interviews; three plant trips; 4.5 job offers; and an average starting salary of \$615 a month.

Graduate Study

This year, only 21 per cent of the graduates plan full-time graduate study, as compared to 25 per cent in last year's class. They will be studying at Case Institute of Technology; Indiana, Ohio and Purdue universities; the universities of Chicago, Colorado, Hawaii, Illinois and Wisconsin; and Rose Polytechnic Institute. And they will major in civil, electrical and mechanical engineering; chemistry; math; physics; business; law; and philosophy(!?).

Five will enter the military service and one has been accepted by the Peace Corps and assigned to South America.

Thirteen companies hired more than one Roseman. They were Commercial Solvents; Illinois State Highway; Public Service Co. of Indiana; General Motors; Caterpillar; General Electric; duPont; Detroit Edison; Commonwealth Edison; Delco Radio; Inland Steel; and National Starch and Chemical. Last year 18 companies hired more than one Rose graduate.

the effectiveness of antimetabolites, alkylating agents and corticosteroids in the inhibition of tumors in experimental animals."

A Heminway medalist, Stock majored in chemical engineering at Rose. He earned his Ph.D. at Johns Hopkins University in 1937 and an M.S. at New York University in 1941.

Stock joined Sloan-Kettering in 1946 as an associate after appointments at NYU as an instructor in bacteriology and at the Rockefeller Institute as a visiting investigator. He was made a member of Sloan-Kettering in 1950.

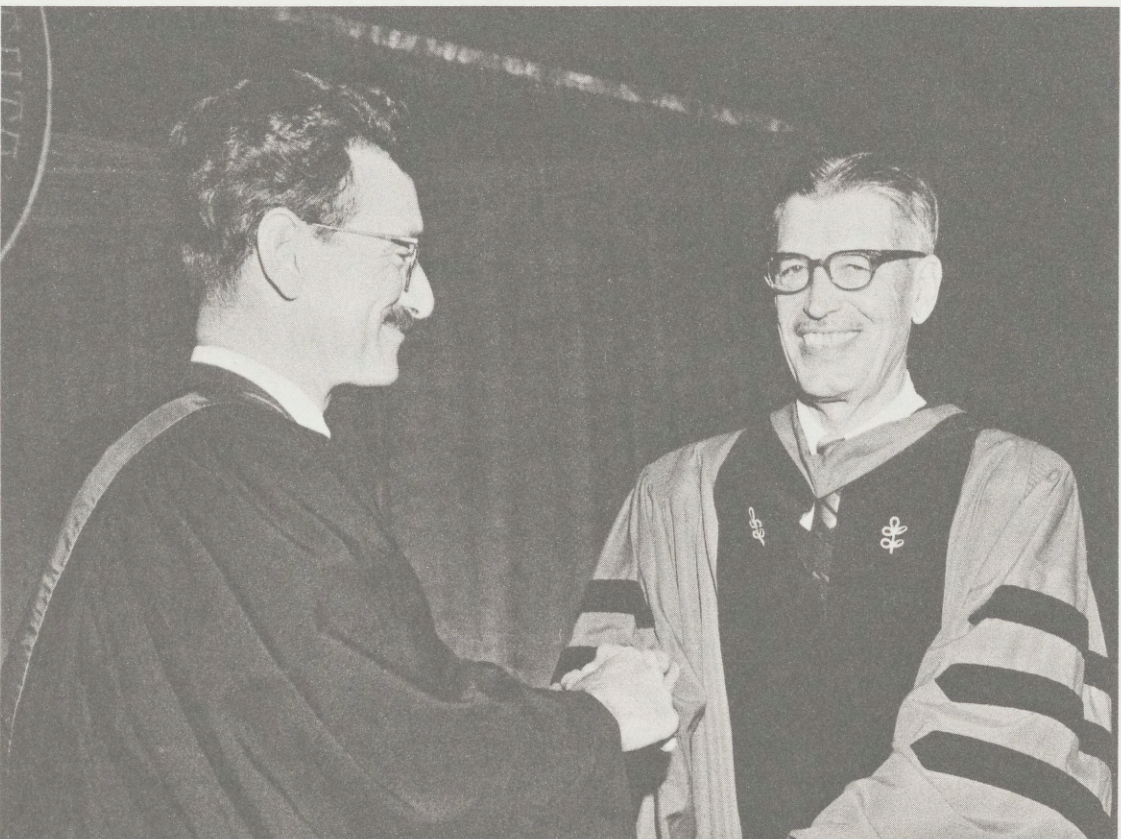
Appointments Listed

In 1957 he was appointed associate director of the Institute. He was named scientific director in 1960, the same year he was appointed director of the Walker Laboratory. He was made vice president for research in 1961 and vice president in 1964. He also is professor of biochemistry at Cornell University Medical College.

Dr. Stock has served as chairman of the screening panel of the Cancer Chemotherapy National Service Center and the screening sub-committee of the center's drug evaluation panel and now is chairman of the committee on international cancer research of the American Association for Cancer Research.

He is a fellow and former vice president of the New York Academy of Science; an associate fellow of the New York Academy of Medicine; and a member of the New York State and county medical societies, American College of Physicians, American Medical Association, American Chemical Society, American Association for the Advancement of Science, Tau Beta Pi and Sigma Xi.

Rose honored Dr. Stock with an honorary Sc.D. in 1954.



BADE FAREWELL—President John A. Logan presents certificate of appreciation at commencement to Dr. Archibald S. Thom, visiting professor in civil and mechanical engineering this past year from the University of Glasgow, Scotland. Dr. Thom presented Rose with a facsimile coat of arms of the Glasgow university, cementing long-standing ties between the two schools first established by Thomas Gray of Glasgow University, first professor of dynamic engineering at Rose, 1888-1908.

Classified News

1905

C. Brenton Cook is boosting the idea of exchanging photos with his classmates, showing them engaged in their hobbies. His is golfing.

Owen L. Wood has established himself as something of an expert at raising watermelons in Santa Fe—no mean feat at 7,000 feet.

Walter H. Burr makes gift clocks and furniture in his basement shop, according to Wood.

Fred B. Lewis has been a patient for the past three years in Hollywood Presbyterian Hospital, Los Angeles, where he's now again gaining weight, getting out for rides with his nurse and generally improving from an apparent stroke which left him partially paralyzed on his right side, according to Wood.

1908

Herbert H. Boyd, retired acting executive officer of the U.S. Navy's Bureau of Yards and Docks, has been awarded a life membership in the ASCE.

1915

Rowland M. Smith has retired as metallurgist for Rockford (Ill.) Screw Products and now lives in Sun City, Ariz.

1920

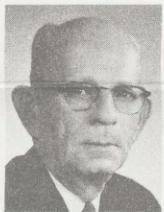
Frederick B. Ray is consultant to Et Cetera, Ltd., Indianapolis. He's a retired vice president for sales and research of the Insley Manufacturing Co.

1921

Edward R. Ronald was honored recently by the Kentucky Association of Consulting Engineers at a special Awards Night dinner.



Blair, '30



Royer, '22

1922

Kenneth L. DeBlois recently retired as senior structural engineer for the New York Central R.R. at Chicago but is continuing as engineer in the structural department of Westenhoff and Novick, Inc.

Robert L. Henderson retired recently as general manager of Apache Powder Co., Benson, Ariz. He'll be retained as consultant. He's spent more than 42 years in the explosives industry and has been a member of the executive committee of the Institute of Explosives Makers for some 15 years. He was Institute president in 1964.

Carl B. Royer recently retired from the Louisville (Ky.) Gas and Electric Co. after 42 years service. He was manager of the company's Cherry Hill coal mine, Central City, Ky., since 1946 and hydraulic production superintendent since 1927. He was 27 when appointed superintendent—youngest department head in company history. As a result he's been a department head longer than any other employee; the only employee to head two departments at once and the only employee to have a son become a company officer. Son **Robert**, '49, is vice president and operating department superintendent.

W. C. Turner recently completed work on a power plant near Vina del Mar, Chile.

1925

W. R. McIntosh, civil engineering department head, Speed Scientific School, University of Louisville, has been elected president, Southwestern Section, American Society for Engineering Education. The society promotes better research, administration and instruction in engineering schools and better public under-



OUTSTANDING EE—Dr. Charles Rogers, head of the electrical engineering department, presents plaque honoring the "outstanding electrical engineering student" to **Alfred Mayle**, '65, Newhall, Cal., first to get the new annual award. Winner is picked for his "maturity and sense of judgment, responsibility, attitude, professionalism, curiosity, initiative, extracurricular activities and academic index."

standing of engineering as a career.

1926

Bruce R. Walsh, evaluation section supervisor, new products division, Gulf Research and Development Co., was interviewed for a recent issue of *Gulf Oilmanac*, Gulf Oil Corp. magazine. His section had a hand in development of Econojet, a new oil burner featuring an improved air-aspirated nozzle making possible the design of clothes dryers, incinerators and year-round air conditioners using oil. His section is charged with finding new ways of improving existing burner equipment, new methods of burning fuel oil and new uses for fuel oil. Econojet is one result.

1930

Royer R. Blair recently celebrated his 35th anniversary with Bell Telephone Labs. He's a member of the Military Digital Systems Lab at Whippany, N.J., studying effects of nuclear radiation on semiconductor devices.

1932

Byron G. MacNabb has returned to Cape Kennedy as base operations manager of General Dynamics/Convair. He was test engineering director for General Dynamics/Astronautics at San Diego, Cal. Before that he was operations director for the company at the Atlantic missile range.

1937

John B. Stineman is manager of the Cincinnati Column division of Stacey Manufacturing Co.

Feb. 1943

John T. Newlin, formerly vice president of Newlin-Johnson Co., Inc., Terre Haute realtors, has succeeded his father as president of the firm. John has been with the company since 1952 and is a past president of the local board of realtors and former vice president of the state real estate association.

Oct. 1943

J. Francis Pfrank is vice president and chief engineer at Diamond Chain Co., Indianapolis. His boss is **Benjamin K. Sollars**, '42, president of the company. Both are Indiana professional engineers.

1946

Warren F. Haverkamp has been elected to the Glendale, Cal., city council—his first elective office. Glendale's 1962 Young-Man-of-the-Year, he's been chairman of the Red Cross campaign and the Boy Scouts Council. He has his own investment company there.

Harmon L. Shaw has presented the Rose library with a copy of *Pneumatic Controls for Industrial*

Application, published by the American Society of Tool and Manufacturing Engineers. Shaw was a major contributor to the book, the first in a series planned by the society.

March 1947

Rex E. Blood has been promoted to Indianapolis general traffic supervisor of the Indiana Bell Telephone Co. He was general traffic engineer and has been with Indiana Bell since graduation.

Jan. 1949

James H. Bowman is an engineer with Indiana Bell Telephone Co. at Indianapolis. He joined the company after graduation.

April 1949

Ronald T. Kelley has been named president of Extrudo Film Corp., an affiliate of Enjay Chemical Co. He was manager of Enjay's plastics division since April 1964. He joined Enjay in 1960 after 10 years with Humble Oil. In 1962 he was made coordination and planning manager of Enjay's synthetic rubber division.

July 1949

Kenneth R. Sheetz has been promoted to principal staff engineer at American Oil in Whiting, Ind. He was senior staff engineer and has been with the company since 1951.

Nov. 1949

Tom E. Price, formerly vice president of the Newlin-Johnson Development Co., Terre Haute, has accepted a position with Gateway Transportation Co., LaCrosse, Wis.

Aug. 1950

Allan T. Junker of Junker and Cheatum, Cincinnati engineering consultants, is author of the paper "Bending of Thick Steel Plates" in the June *Journal of Basic Engineering* of the ASME.

JoDean Morrow, associate professor of theoretical and applied mechanics at the University of Illinois, is co-author of the paper "Low Cycle Fatigue Evaluation of Inconel 713C and Waspalloy" in the June *Journal of Basic Engineering* of the ASME.

1954

Derald E. Heady is an engineer with Indiana Bell Telephone Co. at Indianapolis. He joined the company in 1957.

1958

Leon M. Cole has joined the nuclear division of Union Carbide and been assigned to its Oak Ridge, Tenn., gaseous diffusion plant. He was a chemical engineer in the organic department at Chas. Pfizer and Co.

1960

William T. Brummett Jr. has been named product manager responsible for the manufacturing, engineering and marketing functions in the industrial controls department of Byron Jackson, N.V., Etten en Leur, Netherlands. The company is the European manufacturer and distributor of Borg Warner Controls' solid state adjustable frequency drives.

John F. Edgington has joined B. F. Goodrich as research chemist at its Akron, O., research center. He was director of control and development in the polyethylene lab of Goodrich-Gulf Chemicals, Inc.

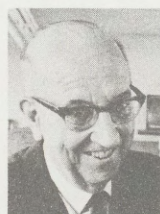
Terry V. Hallcom, recently a Navy aviator, has accepted a position as senior engineer with Sanders Associates, radiation division, Nashua, N.H.

1961

James W. Godwin Jr. is an engineer with the Indiana Bell Telephone Co. at Indianapolis. He joined the company after graduation.

1962

James T. Malone is a junior engineer with Underseas division, Westinghouse Electric Corp., Baltimore, Md.



McIntosh, '25



Sheetz, '49

1963

Don C. Augenstein has been assigned by the Army to its Ft. Detrick, Md., biological labs.

Manfred R. Franke has accepted a position as electrical design engineer with Telonic Industries, Inc., Beech Grove, Ind.

Joseph G. Grumme is a lieutenant-platoon leader with Co. D, 13th Engineer Battalion, U.S. Army, in Korea.

R. Paul Gummere is 3rd Platoon leader, Co. E, 547th Engineer Battalion (Combat), APO, N.Y. The battalion is responsible for bridging operations and has been decorated for its achievements.

R. Stephen Kern has been transferred from Verdun, France, to Ludwigsburg, West Germany, as a lieutenant and sanitary engineer with the 485th Preventative Medical Unit.

Richard G. Moench is a lieutenant and commander of the 529th Engineer Detachment, U.S. Army, in Vietnam. He's been on active duty for a year and was previously assigned to the Gran-

Deaths

1907

Rudolph John (Rudy) Schuchardt, 82, died July 16 at St. Anthony Hospital, Terre Haute. A native of Terre Haute, he retired here after a career as architectural engineer with the St. Louis division of the F. W. Woolworth Co.

1911

Raymond Nelson Hickman, 75, died July 25 at New York where he was a retired packaging machinery consultant. He was a member of Sigma Nu, the Army-Navy Club and the Society of Packaging Engineers. He was buried at Arlington National Cemetery.

1913

Warren H. Brewer, 75, recently retired executive vice president and manager of the Terre Haute Auto Club died in May at Terre Haute's Union Hospital. A native of Toledo, he moved to Terre Haute in 1908 and was a 33rd degree Mason and leader in the Scottish Rite. Since retirement he'd been associated with the Perry Insurance Agency and was a former treasurer of the county historical society.

1914

Gordon L. Eshelman died June 23 at Lawrence Memorial Hospital, Lawrenceville, Ill., of a heart attack after a short illness. He attended his class' 50th reunion at last year's Homecoming. He is survived by his son **Charles**, O. '48.

1916

Richard D. Leitch, 69, retired chief engineer of the U.S. Department of the Interior's Bureau of Mines, died suddenly May 27 of a stroke at Sarasota, Fla. A native of Paris, Ill., near Terre Haute, and lieutenant in the Army Corps of Engineers during World War I, he joined the Bureau of Mines in 1919 as an explosives chemist in Pittsburgh. He went to the Bureau's Washington, D.C., headquarters in 1942 to help head up the Bureau's national explosives control program. In October of that year he assumed full charge of the program. In 1945 he became chief safety engineer for the Bureau and served in that capacity until his 1954 retirement, when he was awarded the Department's distinguished service gold medal.

1923

Robert K. (Pete) Price, 65, president of Wabash Products Co., died suddenly June 27 at his Terre Haute home. A veteran of World Wars I and II, he was a member of Sigma Nu fraternity and Rose's Board of Associates, an advisory body of Terre Haute business and professional men. He was past president of the local Exchange Club and a director of the Chamber of Commerce.

1933

Merrill L. Bradfield, 53, president of the Allen and Steen Acceptance Corp. of Terre Haute, died at Union Hospital May 8 after a six-month illness. A native Hoosier, born in Parke County, just northeast of here, he was a lieutenant colonel in the Army Corps of Engineers during World War I and had been president of Allen and Steen for 10 years. A past president of the local Rotary Club and vice president of the board of directors of the local office of the American Automobile Association, he was also president and director of Union Hospital and president of the Alumni Association in 1950.

ite City, Ill., Army Depot.

James E. Young graduated with honors from the Indiana University School of Business, earning an M.S. in finance, and now is with the First National City Bank of New York.

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Summer Institute Readies Freshmen For The Long Grind Ahead

School started early this year for 78 of the more than 300 freshmen. They are enrolled in the third annual Summer Institute, an intensive, four-week course beginning in mid-August in math, English, chemistry and engineering problems. It is intended to better prepare the students for the first year of college.

Purpose of the institute is fourfold: to help the student adjust to living away from home, many times for the first time; to let the student experience college-level instruction and class preparation before grades are required; to develop efficient study habits; and, by studying transition courses (more demanding than high school yet not quite so difficult as college), to review his preparation and improve his proficiency in the skills he'll need. At-

tendance is voluntary.

And it works, according to Dean of Students Ralph Ross. The grade average of students attending last year's institute were three-tenths of a point higher than the average grades of freshmen not attending the institute. "That's a significant and worthwhile increase," Ross says.

Sometimes during the Summer Institute a student may find he can't make the social adjustments required for college life away from home. Another student may discover that an engineering or science education isn't what he wants after all. Finding out these things at Summer Institute, before school starts, can save a student valuable time and his parents money. But for the majority of students the Summer Institute simply gives them a chance to adjust and removes that problem, at least, from the many others they'll have to face once

school starts.

Classes begin early for the students, 8 a.m., and last all morning. Afternoons are given over to labs and individual instruction where needed.

A sampling of subjects studied includes algebra, trigonometry, reading improvement, vocabulary building, oral and written expression, basic chemistry and physics.

But it's not all work. In the late afternoon there are team sports — baseball, football — swimming, golf, tennis. At least once during the four weeks a mixer with local coeds is arranged. And students are given a chance to meet and talk informally with the faculty, many times at the professors' homes.

What do the students think of the program? They think it's great. Said one:

"This has really helped me. I didn't realize how much better prepared for college I could be, like in math."

Another said: "I'm ready to go as soon as classes start. This was better than anything they did in high school to prepare us for college."

And another: "I was homesick when I first got here but I got over it. I go home now for a week before school starts and I think I'll be all right when classes begin."

Institute students this year come from 11 states. Most, 49, come from Indiana. Illinois is a poor second with 12. Ten are from Terre Haute and another nine are from the immediate area. Connecticut, Pennsylvania, Ohio and Kentucky each sent three students. New York, New Jersey, Nebraska and Maryland sent one student each.

Homecoming Gridiron Clash Could Be Rose Victory Treat

Rose's Fightin' Engineers will clash with St. Procopius in the traditional Homecoming gridiron contest this year and the chances of alumni being treated to victory are excellent.

Coach Richard Martin points out that Rose beat St. Procopius

last year with essentially the same team the Engineers will be fielding this year. Eight starters from last year's team will be back this year, led by Terre Haute's Gib Bosworth, quarterback, leading ground-gainer and passer.

On the receiving end again will be sophomore Mike Mefford from Bloomington, Ind., last year's leading pass receiver.

And back to spark Rose's defensive game are Bill Lewis from Gary, linebacker and most valuable player last year and the year before; John Shambach from Shelbyville, Ind., tackle; and Ben Bradburn, an Indianapolis boy, safety and No. 2 quarterback.

The Engineers will open the eight-game season Sept. 25 against Indiana Central College

Homecoming Plans Set

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p.m. Friday in the Main building foyer. The first hour-long lecture will begin at 1:00 p.m. The second will be held at 2:15 p.m.

The annual meeting of class agents and the fund committee is set for 4:15 p.m. in the auditorium.

Individual class reunion dinners that evening are being arranged at restaurants in the Terre Haute area.

Bolstered by the success of last year's pep rally, Blue Key fraternity is again planning a pep rally at which the second annual Homecoming Queen will be crowned, followed by the traditional bonfire. The rally is scheduled for 8:30 p.m. in the field house.

Old Times Hour

An Old Times Hour at the Terre Haute House from 9:30 p.m. will conclude the first day's planned activities.

On Saturday, the annual meeting of the Alumni Association will begin at 9:30 a.m. in the Rose auditorium, preceded by registration at 9 a.m.

A luncheon will be served in the field house at noon.

The Homecoming football game with St. Procopius College of Lisle, Ill., will begin at 2 p.m.

An open house, sponsored by the Wabash Valley Tech Club, will be held at the Terre Haute House, beginning at 4 p.m. and followed by the annual alumni banquet at 6 p.m. The annual ladies banquet will be held at 6:30 p.m.

The weekend's activities will end with the Homecoming Dance, also at the Terre Haute House, from 10 p.m.

Six Given Hon. Ph.D.'s

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mer vacation from high school. Following service as an Air Corps lieutenant during World War I, he returned to the paper industry with the Bogalusa (La.) Paper Co.

In 1951 he was made production manager at Weston. The following year he was named vice president. In 1959 he retired from active participation in the operation of the company and became vice chairman of the board of directors, a position he held until his election to chairman in 1963.

Turns Hunter

Freed from the daily routine of an administrator, Burns now had time to indulge his passion for big game hunting. He made his first African safari to Kenya and Tanganyika in 1959 and bagged all of the big five—leopard, lion, buffalo, rhinoceros and elephant (the tusks of which he gave to Rose). He has since hunted in South America, Mexico, Canada and the U.S.

Drawing on these experiences, Burns has written newspaper and magazine articles for such periodicals as *Fur, Fish and Game* and *Outdoor Life*.

But he insists his greatest satisfaction comes from helping young engineers and scientists get started in their careers.

He's also helped his community. Burns has served as an officer of the Terre Haute Chamber of Commerce; United Fund director; president of the Family Service Association; director of the local YMCA and director of the Wabash Valley Fair Association.

And he's served his alma mater. He was elected to life membership on the Rose Board of Managers in 1956 and served until last year when he resigned and was made an emeritus board member. From 1960 to 1962 he was chairman of the Alumni Fund committee and in 1953 was chosen as Honor Alumnus.

at home. On Oct. 2 Rose will meet Illinois College at Jacksonville, Ill.; Oct. 9, Elmhurst College, at home; Oct. 16, Concordia Teachers College, at home; Oct. 23, Central Methodist College, at Fayette, Mo.; Oct. 30, Principia College, at Elsah, Ill.; Nov. 6, St. Procopius, Homecoming; and Nov. 13, Hanover College, at home.

The only new team on the schedule is Indiana Central but dropped from last year is Wilmington College of Ohio.

Freshmen Football Prospects Look Good, Says Coach Martin

Rose's freshman football prospects look brighter than they have in years.

According to coach Richard Martin, "We have seven boys who were named to all-conference teams and one who was an all-state."

Outstanding among the new prospects are Jack Mehok from Man high school, Gary, who was

an all-state tackle at 6'6" and 230 lbs.; John Waugh from Rensselaer, N.Y., high school, all conference center at 6'1" and 185 lbs.; and Wayne Nack from Thornton North high school, Calumet City, Ill., another all-conference center at 6'1" and 195 lbs.

Also Pete Doenges from Olney, Ill., high school, all-conference guard at 6'1" and 193 lbs. and first in his class scholastically; Gordon Higbee from Thornton South high school, Lansing, Ill., another all-conference guard at 6'1" and 190 lbs.; and Charles Hills from Southport high school, Indianapolis, all-conference fullback at 6'0" and 185 lbs., who averaged seven yards a carry last year.

All-Star Ends

And finally Dan Meek from Arlington high school, Indianapolis, all-conference end at 6'1" and 190 lbs.; and John Ward from Westport high school, Louisville, Ky., another all-conference and Kentucky all-star end at 6'3" and 195 lbs.

In all, some 30 men from the freshman class can be expected to wear the Engineers' red-and-white jersey this fall.

Grads Told To Pitch In

From Page 1

Communicate with the Alumni Secretary at Rose, notifying her of your address, job title and employer and keep this information up to date.

Attend Rose Tech club meetings and participate in club activities, volunteering for assignments and committees.

Come to Homecoming. And be concerned with the Association's activities and programs, offering suggestions and comments.

Zwerner pointed out that there are now some 2,800 alumni. There are also 39 active Rose Tech clubs located throughout the U.S.

V. P. Candidates Set For Voting

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He also has represented his district to the Alumni Association and served as a class agent.

Jacob this year was named president of the Young Spring and Wire Co. at Detroit. Previously he had been associated with Bayer, Kobert and McElrath, Inc., management associates, and manager of the camera products division at Polaroid. He is the son of a Rose graduate, **Brent C. Jacob**, '03, who died in 1949. Jacob has been a district representative and active in Tech Clubs where he has lived.

ALUMNI ASSOCIATION ROSE POLYTECHNIC INSTITUTE FINANCIAL REPORT

July 1, 1964 to June 30, 1965

GENERAL FUND

Receipts	
Cash balance, July 1, 1964	\$ 9.12
Bonds redeemed and interest	600.00
Interest on deposits	13.73
Payment from Rose Polytechnic Institute	1,200.00
	\$1,822.85
Expenditures	
Printing and postage	\$ 488.70
Honorarium	400.00
Miscellaneous	7.81
Banquet deficit (October 31, 1964)	46.98
On account with Terre Haute House	74.02
	1,017.51
Cash balance, June 30, 1965 ..	\$ 805.34

BANQUET FUND

Receipts	
222 Dinner tickets @ \$4.50	\$ 999.00
133 Dinner guests	—
	\$ 999.00
Expenditures	
355 Dinners @ \$2.25	\$ 798.75
Beverage for dinner	120.00
Gratuities	88.75
Miscellaneous	38.48
	1,045.98
Deficit from General Fund...	\$ 46.98
Ladies Dinner funds (to be held)	99.69

LOAN FUND

Receipts	
Cash balance, July 1, 1964	\$ 901.45
Bonds redeemed plus interest ..	1,400.00
Loans outstanding, July 1, 1964 ..	805.00
	\$3,106.45
Expenditures	
Payment to Rose Polytechnic Institute Student Loan Fund ..	\$2,301.45
Loans outstanding	2,301.45
	805.00
	\$3,106.45
Cash balance	—

FUNDS ON HAND AND DUE

Terre Haute First National Bank (savings)	
Terre Haute First National Bank (checking)	\$ 402.44
Loans outstanding	502.59
	805.00
	\$1,710.03

DISTRIBUTION OF FUNDS

General Fund	\$ 805.34
Banquet Fund	99.69
Loan Fund	805.00
	\$1,710.03

ANTHONY G. BLAKE '31
Secretary-Treasurer