PROFESSOR FAIR COMMENCEMENT SPEAKER; INAUGURAL CEREMONY PART OF PROGRAM

Professor Gordon Maskew Fair of Harvard University, internationally known authority in engineering education, will deliver the 85th Commencement Address at graduation exercises at Rose Saturday morning, June 8, at 10 o'clock in the Wilbur B. Shook Memorial Fieldhouse.

A part of the morning's program will be a short inaugural ceremony which will mark the formal installation of Dr. John A. Logan as the tenth president of the Institute. This ceremony will have a particular significance to both men since Dr. Logan pursued his studies in the civil and sanitary engineering area under Professor Fair at Harvard, where Dr. Logan received both his master's and doctoral degrees.

Professor Fair will receive an honorary Doctor of Science degree, and three alumni will be given honorary doctorates. They are Frederick M. Crapo, president of the Indiana Steel and Wire Company of Muncie, Ind., and a member of the Board of Managers of Rose; Henry Y. Offutt, president of the Kentucky Trust Company, Louisville, Ky., and Robert N. Miller, senior partner in the law firm of Miller & Chevalier in Washington, D.C.

Seventy-six seniors are candidates for the Bachelor of Science degree, while two other students who completed their work in January will receive their diplomas. One student is candidate for the Master of Science degree in mathematics.

Professor Fair, now Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Sanitary Engineering, was born in 1894 in the Union of South Africa. He was educated in his native country, in Germany, and in the United States, and received the Bachelor of Science degree in 1916 from the Massachusetts Institute of Technology and from Harvard University. He joined the Harvard faculty in 1918 and in 1946 was appointed Dean of the Faculty of Engineering, a post he held until 1949. He served as chairman of the Division of Applied Science from 1961 to 1964, and is former master and now honorary associate of Dunster House at the University.

At various times consultant to municipalities and industry, Professor Fair has devoted most of his life to teaching, research, writing and government service. Author of more than 100 professional and scientific papers and reports, his most recent book is "Design of Water Resource Systems," published by Harvard University Press last year, for which he was co-editor.

He has been honored for his achievements by professional and scientific groups and institutions in the Americas and abroad. He is a member of many learned societies including the American Association for the Advancement of Science, of which he is a Fellow and served as vice president in 1948. He received the honorary Doctor of Engineering degree from the Technical University of Stuttgart, Germany, in 1952.

Following the planning meeting for Parents' Day, committee members and administrative officers were guests of Dr. John A. Logan and Mrs. Logan at their home. Seated are Mrs. Wright, left, and Mrs. Wood. Standing, left to right, are Robert A. Wright, Dr. Logan, Mrs. Logan, and Mr. Wood. Mr. Wright is co-chairman of the activities committee and Mr. Wood is president of the Parents' Association.
Institute Board Elects
Osmer, Engelhard

In action taken at the February meeting of the Board of Managers of the Institute, Walter L. Osmer of Terre Haute was elected a permanent member and Joseph A. Engelhard of Louisville, Ky., was formerly seated as alumni member.

Osmer, who served during the last four years as alumni member of the board, will continue to serve as secretary of the board and chairman of the development committee. A graduate of Rose in 1929, he was president of the Alumni Association from 1953 to 1954 and has been long active in alumni work. He is associated with the Equitable Life Assurance Society of the United States.

Engelhard, president of Glenmore Distilleries and a Rose graduate of 1922, has been a loyal and active alumnus in the Louisville group.

Dr. Richard F. Bergmann, board chairman, said the preliminary budget for 1963-64 was approved as submitted by the administration.

"There is an expected enrollment of 575 to 600 students beginning next September," Dr. Bergmann said. "The ten-year projection for the Institute still continues toward advanced degrees."

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Larry G. Morgan
Wins Chemistry Award

Larry G. Morgan, junior student at Rose Polytechnic Institute from Findlay, Ohio, won first place in the library research division for his paper read at the 13th annual mid-central regional meeting of student affiliates of the American Chemical Society April 19 and 20.

His was one of 17 papers presented by the students in his division and it was the first time that a Rose student had entered a paper in the competition. The paper was titled "Theory and Kinetics of Reactions under the Influence of a Magnetic Field."

Eighteen colleges and universities were represented from Michigan, Indiana, and Ohio at the meeting which took place at Fenn College in Cleveland, Ohio.

Morgan was elected regional chairman for the 1964 regional meeting which the conference voted to hold in Terre Haute next spring. At this time the student affiliate chapter at Rose, of which Morgan is president, will be hosts for the meeting in cooperation with the student affiliate chapter at Indiana State College.

Morgan received the travelling trophy for his paper. The trophy remains at Rose for the year.

Fellowships Granted By
NSF, Detroit Edison

Board of Managers at Rose has approved a leave of absence for Prof. James B. Matthews of the mechanical engineering department who will continue work toward his doctorate under a Science Faculty Fellowship from the National Foundation at the University of Arizona at Tucson.

This is the first such award to a Rose faculty member from the Foundation, and is granted only to those professors who have demonstrated their interest in continuing in teaching and working toward advanced degrees.

Professor Matthews will study aerospace engineering which will be of particular value to the Institute since this work is in an area of increasing importance to mechanical engineering students. According to Prof. Irvin F. Hooper, head of that department, Professor Matthews's training will extend the scope of the work being done at Rose in space technology.

Award of the first Detroit Edison Graduate Fellowship to a Rose student has been announced by Dr. Carrell E. Criss, head of the electrical engineering department.

The recipient is Rodney K. Bogue of Indianapolis, Rose alumnus of 1962 and a candidate for the Master of Science degree in the e.e. department where he has been a graduate teaching assistant since last September.

Envisioned as a continuing program to be negotiated annually for each coming academic year, the program will be supported by an annual grant, the specified amount depending on the number of graduate students involved.

The first research project now under active study by Dr. Criss and Bogue involves a theoretical stress analysis of transmission line conductors due to vibration.

New Appointments
In Development Office

Appointment of Richard A. Hahn, Wiley High School and Indiana State College graduate, as assistant to the vice president for development was announced in February by Professor John L. Bloxsome, vice president for development.

Hahn graduated cum laude from I.S.C. in 1958 and received the master of arts degree one year later from Northwestern University. For the past four years Hahn has been teaching in the speech department at Florida State University at Tallahassee and at present is in charge of the university's debating program. He will assume his duties at Rose July 1.

William R. Brown will continue his work at Rose and is now an admissions counselor in the Admissions and Placement Office. He will continue part-time study on his master's degree in mathematics.

Officers of the Rose
Parents' Association

President ....................... Howard D. Wood, 6616 W. Ohio Street, Indianapolis, Ind.
Vice President ............ Delmer Huppert, 1545 Windemire St., Indianapolis, Ind.

Recruitment Committee:
Chairman ..................... Hugh Rice, 5827 Fenwood, Ft. Wayne, Ind.
Co-Chairman .... John O. Teegarden, 1818 W. 57th St., Indianapolis, Ind.

Activities Committee:
Chairman ...................... C. P. Goodwin, 305 West Madison, Paris, Ill.
Co-Chairman ........ Robert A. Wright, 406 N. 9th Street, Casey, Ill.

Communications Committee:
Chairman ..................... John Valle, 2321 N. 10th Street, Terre Haute
Co-Chairman .. Mrs. Barbara Morgan, 824 N. 8th Street, Terre Haute

Development Committee:
Chairman ..................... Ervin J. Hahn, 240 Meadow Lane, Chicago Heights, Ill.
Co-Chairman ........ David Y. Rice, 20780 Beachcliff Blvd., Rocky River, Ohio.
The Rose Concept of Its Role for the Future

Changing Times and Changeless Values

Colleges and universities are changing with the times, and Rose is no exception; it is not the same kind of school that it was when it was founded nor, indeed, is it the same as it was ten or even five years ago. New faculty, new students, and new knowledge have all had their effect, and Rose today represents the sum total of these effects over a period of almost ninety years. Certain values have, however, remained unchanging: concern for students as individuals, an insistence on performance and a tradition of excellence.

In 1874, Chauncey Rose conceived his new institute as a school of industrial science, “an institution for the intellectual and practical education of young men”; although they received some theoretical instruction, graduates were expected to be “as well equipped as the journeyman at the conclusion of his term as an apprentice.” Over the years the emphasis has shifted from technical proficiency towards a liberal education in engineering and science. Rose is as much concerned with developing an awareness of the role of science in unlocking the mysteries of the universe and of engineering in social and economic developments, as with graduating scientists and engineers who are immediately capable of technical competence.

Effective Career Preparation

The emphasis at Rose is on career preparation — a background which will be second to none in preparing young men to meet the problems and to face the professional challenges of the future.

Effective career preparation implies an atmosphere of intellectual curiosity, the formulation of organized habits of thought, and the motivation needed for further study and development. While many students survive in college by exerting only a fraction of their capabilities, Rose must provide the kind of challenge which encourages an increasing number to full achievement.

The Board of Managers, the faculty and the administration believe that these objectives can best be accomplished by an emphasis on undergraduate education in engineering and science for a limited number of well qualified students. The program is based on a study of the cultural and humanitarian aspects of our society in which technology plays such an important part. It provides a sound preparation in science and engineering principles. It develops motivation for continued learning in a professional career. The program also provides a broad analytical background for those graduates needed, in ever increasing numbers, in such fields as economics, business, the social sciences, biology and medicine.

For a Better Understanding of Mankind

Any meaningful introduction to engineering must involve a creative design or systems approach; the methodologies of science also require individual creativity. Practitioners in both areas are directly involved with the humanities from a cultural point of view, but are concerned even more in achieving a better understanding of mankind in the light of modern scientific development. Such insight should, in turn, help in the solution of the important human problems of our time. The humanitarian nature of science and engineering must be more dramatically portrayed; it is as important to educate our future leaders with the implications of science and engineering as it is to humanize the individual scientist and engineer.

The student needs an environment conducive to full development. To the maximum extent possible, the Institute will be developed as an educational community, a total environment planned to provide the broadest kind of educational excellence — intellectual, physical, social, cultural and moral. It will, however, be mutually advantageous for Rose to cooperate with neighboring colleges and universities in order to provide economically the full breadth of courses required. In research cooperation with local industries can be equally rewarding.

For Intellectual Achievement

The program will continue to be both rigorous and demanding. While technological education has, in general, “demanded” an excessive work load, measured in hours per week, the “demand” at Rose should be for excellence in intellectual achievement.

Research, investigation and professional achievement must be a fundamental part of the program. This is needed to secure and maintain a vigorous and active faculty who are keeping abreast of new developments, and to provide an environment in which students can sense the excitement and interest of pioneering. There is increasing evidence that significant investigation and research can be carried out at the undergraduate as well as the graduate level with definite advantage to both student and faculty. A program of graduate study to supplement and invigorate undergraduate work is essential to the purpose and objectives of the concept.

Enthusiasm, investigation, a willingness to innovate and pioneer, and a dedication to the pursuit of excellence — all of these contribute to a teacher’s greatness. Great teaching, with all of its implications, is inherent in the Rose approach.

CREDO

—To create an environment and provide guidance for young men

—To better understand the world in which they live

—To seek the unknown in humility that they know no more

—To comprehend new ideas and solve new problems as they arise

—To develop a concern for enduring human values

So that they may aid in the conservation and development of man’s physical environment in conformity with the aspirations of the human spirit.

Board

(Continued from Page 2)

templates increased enrollment to 1,000 by 1972, if not sooner. Specific details as to expansion of physical facilities and increased operating and capital costs are still being worked out by the business, development, and academic committees of the board.”

The broad concepts for the future of engineering and science education at Rose are set out in the Statement of Purpose, printed herein on page 3. The statement is distilled from the thinking and work of the faculty and administration on the future plans for Rose. Writing of the Statement was in charge of the faculty development committee headed by Dr. Oran M. Knudsen, chairman of the chemistry department, in cooperation with Dr. John A. Logan, Rose president, and Dean Herman A. Moench, Vice President and Dean of the Faculty.
ROSE BUDS

CHARLES T. ROSE, Washington, Ind., and JERRY T. NICKERSON, Cincinnati, Ohio, were named the outstanding seniors in the Rose chapter of the American Society of Civil Engineers at the joint banquet of state chapters at Purdue University, Lafayette, Ind., on April 4.

ANDREW O. BREECE, Indianapolis junior, received the Master Mason's degree and is now a member of Social Lodge #86, F. & A.M., in Terre Haute. He is past master councilor of the Englewood Chapter of DeMolay in Indianapolis and received the honorary degree of Chevalier from the Englewood Chapter.

NEW GLEE CLUB officers are DAVID RENNELS, Terre Haute, president; JOHN KUHN, Vincennes, Ind., vice president for concert tours; TERRY SCHULTZ, LaPorte, Ind., business manager, and GEORGE M. WILLIAMS, Grayville, Ill., librarian.

NEW OFFICERS of the student chapter of the American Society of Civil Engineers are TOM TERRY, Kewanee, Ill., president; TOM DAVIDSON, Orland Park, Ill., vice president; JAMES McCOSKY, Soledyville, Ind., secretary-treasurer, and JAMES SCHULZ, Indianapolis, recorder.

EDWARD DOWNEY, Rosiclare, Ill., a junior, was voted by his teammtes the most valuable basketball player on the Rose team during the past season. He was selected for the all-conference (Prairie College Conference) team and is the second leading scorer in the conference.

NEW TECHNIC APPOINTMENTS this Spring are as follows: ROBERT VALLE, Terre Haute, and ROBERT FINNEY, Deerfield, Ill., associate editors; DAVID MORGAN, Terre Haute, contributing staff manager; WILLIAM R. ROYER, Farmersburg, Ind., feature staff manager; MICHAEL D. THOMAS, Brazil, Ind., editor-in-chief; JOSEPH R. GRIFFIN, Speedway, Ind., circulation staff manager; DAVID Y. RICE, JR., Rocky River, Ohio, business manager. Students advisors are JOSEPH GRUMME, Terre Haute; KENNETH H. MILLER, Orland Park, Ill.; RICHARD DAUGHERTY, Merom, Ind., and MAX GOODWIN, Paris, Ill.

ROSE RIFLES DRILL TEAM traveled to the University of Illinois March 8 to participate in the Fifteenth Annual Invitational Drill Meet held here. The team finished 9th out of 14 teams competing in the Class B exhibition category. There were over 58 teams from 47 different colleges and universities represented at the meet. Five members of the team, BOB BLAHUT, Riverside, Ill., STEVE CHITWOOD, Columbus, Ind., CHESTER CHOY-HEE, and WIL OTAGURO, both from Hawaii, and JAMES MOREHOUSE, Evansville, Ind., entered individual drill competition. CHOY-HEE finished in about the top 10 per cent and OTAGURO in about the top 20 per cent. They competed with some 500 others.

ROTC Rifle Team Wins National Competition

Rifle Team of the Reserve Officers Training Corps has won the 1962 national Rifle Marksmanship Competition sponsored by the Society of American Military Engineers for rifle teams of the engineer units of the R.O.T.C.

Capt. Kent Kelley, team coach and member of the military department at Rose, said presentation of the trophy and of medals to the individual team members will be made May 20. The team won through a postal match in December.

Members were Grady Wallace, New Albany, Ind., sophomore; Marvin Barkes, Columbus, Ind., senior; Gregory Bolt, Bremen, Ind., senior; John Snipes of Terre Haute, then a junior, and J. Allan Jones, freshman from Virden, Ill.

Mrs. Walter B. Smith, director of the new dormitory, is shown in the living room of her modern apartment on the first floor of the building. She has been on the staff since the opening of the dormitory and she finds her work with the students "most enjoyable." A resident of Indianapolis for many years, she took a course in residence hall management at Missouri State University last summer and was pleased to find there notice of the opening at Rose for a residence director.

Keenly interested in history, she is a member of the Indiana Pioneer Society, founded in 1916. To qualify for membership, one must be a descendent of a pioneer resident who settled in a given county in the state between 1816 and 1849. Mrs. Smith's mother's grandfather was brought to Jennings County at age three.

A friendly and gracious lady, Mrs. Smith has added the "touch of home" to the dormitory with treats for the boys of popcorn, a tea for the residents and their dates before the St. Patrick's Day dance, and other thoughtful gestures.

Two married daughters live in Indianapolis, and during the vacation her grandson, visited her here. Her husband died a year and a half ago. Their son, a fighter pilot, was killed during World War II while he was on his last mission.
Three young engineers from West Germany arrived on our campus January 30, 1963 to inaugurate our participation in a foreign student program with the Carl Duisberg Society of Cologne, West Germany.

Rose is the tenth American university to participate in this program whereby young, promising industrialists from West Germany may study and work in this country for a two-year period under the joint sponsorship of an American college and the Carl Duisberg Society. The Society, on a student loan program, aided by contributions from West German industry and supported from West German government appropriations, finances the student’s trip to America and his school costs for the one semester of academic study.

The money which has been advanced for this program is repaid by the student without interest, within five years after his trip.

College placement service will make every effort to find suitable employment in industry for the eighteen months’ on-the-job training experience following the residence on campus program. This same student will be under the guidance and supervision of the school during his entire stay in this country.

The three young men who reported at the start of our Spring semester have been heartily welcomed by our students and seem to have made the adjustment to American campus life with little difficulty. As one of our sophomores put it, “These students are a big help to us in our study of the German language.”

It seems that the exchange of cultures and knowledge is mutually enlightening and beneficial. Some of Terre Haute’s industries have extended an invitation to these young men to visit their establishments. A series of programs whereby our students may acquaint our students with the culture, geography and industry of Germany is being arranged.

Hans-Jurgen Maurer, 25 years old, is a graduate of the Polytechnic Institute of Munich and was employed with Donier Airplane Construction before entering the student program. His interest is in the field of aeronautical engineering.

Ernst Materna, aged 27, graduated from the school of engineering in Essen, Germany, as a mechanical engineer and was employed by Klockner-Humboldt Deuz. His interests are in the automotive industry.

Helmut Gunter, aged 25, graduated from Oskar-Von Miller Polytechnic as an electrical engineer. His experience has been in electro-medicine with Firma Schwarzer & Co., Ltd. He wishes to increase his knowledge in the general field of electronics.

VARSITY SPORTS

Varsity sports this Spring at Rose are baseball, track, golf, and tennis, with the tennis and golf teams playing a schedule for the first time this year.

Outstanding performances were turned in during the indoor track season by John Lynn, Bicknell, Ind., freshman, who broke the two-mile school record with a time of 10:45.6 which bettered the old mark by 10.7 seconds. Bob Sandberg, Terre Haute freshman, broke the half-mile record with a time of 2:05.9, two-tenths better than the old mark.

Lynn also broke the two-mile record at the first outdoor track meet with Franklin College April 2. The Rose Thinlies took more firsts than Franklin, although the Engineers lost the meet by a very slight margin.

Dallas Hutson, Hammond freshman, won the 100-yard dash and the 220-yard dash at Franklin. He placed second in the broad jump and ran one leg of the mile relay which the team won.

Schedule for the remainder of the season is as follows: April 27 — Greenville and St. Joe (here); May 1, Greenville (there); May 4 — Earlham Relays (there); May 8 — Big State (Notre Dame); May 11 — Little State (Wabash); May 15 — Prairie College Conference Meet (Princetia).

Led by five returning lettermen, the Engineers opened the baseball season April 3 at Franklin College. They lost 7 to 8.

The team won the first game 3 to 2 at Marian College April 5, but lost the second 3 to 2. Tom Sprouse, Staunton, Ind., pitched the winning game with Marian, while Dave Gerstenkorn of South Bend pitched a good game against Marian for the doubleheader and did not allow an earned run.

Captain Denny Lawson, Princeton, Ind., third baseman, is the leading hitter so far this season with a 417 average. James Young, Indianapolis, an outfielder, has hit 375; Robert Valle, Terre Haute, outfielder, and Tom Carter, shortstop, Connersville, Ind., both 300.

May schedule for the team is as follows: May 1 — Greenville (here); May 4 — Illinois College (here); May 8 — Franklin (here); May 11 — McKendree (there).

The tennis team has played Marion College April 5 and lost 4 to 3. Wabash College is their opponent April 22, and on May 1 the team plays Greenville College there.

The five-man team played five singles and two doubles at Marion and won two singles and one double. Dave Nancrede, Indianapolis, and John Toole, Evansville, Ind., each won one singles match. Larry

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Physics, Chemistry Grants Announced

Physics Department has been awarded a grant of $5,000 by the United States Atomic Energy Commission and is part of the AEC continuing program of support for nuclear education in the nation's colleges and universities.

The granted funds, Dr. Ralph A. Llewellyn, Jr., of the department said, will be used to supplement, expand and upgrade the Institute's nuclear science education.

A grant for supporting a special project in analytical chemical research at Rose has been given the Institute by the Mallinckrodt Chemical Works of St. Louis, Mo. Dr. Frank A. Guthrie, associate professor of chemistry at Rose and a chemical consultant for the company, said the grant of $2,500 will be used, generally speaking, for a limited program for developing methods of analyses which will be more modern and more efficient in determining whether a given product meets specifications.

The grant will provide part-time employment for several upperclassmen majoring either in chemistry or chemical engineering, and at the same time provide the department with some additional equipment with which to supplement its teaching and research programs.

Annual Meeting
(Continued from Page 1)

met by the time Rose Echoes is printed.

Since a number of parents have in the past remained on the campus and in Terre Haute for the evening and overnight, the committee has arranged for an informal period at the Student Center from 8 until 10:30 o'clock in the evening when parents, faculty and friends may continue their visits.

Glee Club Plans Spring Tour

Rose Poly Glee Club will go on tour May 1, 2 and 3 in the northern Indiana area with concerts scheduled at the Elkhart, South Bend and Gary. Tentative plans include also possible TV appearances and performances at one or more colleges.

The club will sing at Elkhart High School May 1 in the morning. On May 2, the group will go to South Bend and sing at St. Joseph's High School in the morning and at Washington High School in the afternoon. On May 3, concerts will be given in Gary: at Emerson High School in the morning and Lew Wallace High School in the afternoon.

Twenty-five members of the club expect to go on the tour. The accompanist will be Terry Schultz of LaPorte, Ind.

Varsity Sports
(Continued from Page 5)

Anderson, Staunton, Ind., and Toole won one doubles match. Nancrede and Jay D. Sinex, Indianapolis, lost the doubles match 7-5 and 6-3. Anderson, Sinex, and James T. Hunt, Indianapolis, lost three singles.

A sixth team member will be added for the Prairie College Conference tournament at Principia on May 10.

Twenty students have indicated their interest in varsity golf and a qualifications tournament is now going on. Eight men will be selected for the team. Morris Deutch, pro at one of the local country clubs, is giving instruction in golf twice a week, and practice takes place at Rea Park municipal golf course. Tournaments have been arranged with Franklin College, DePauw University, Indiana Central College, Indiana State College, as well as the conference meet and Indiana Little State.

Rose Art Project Organized

Rose Polytechnic Institute Art Project was launched formerly on April 7 with a meeting and election of officers in the auditorium on the campus. Those attending included members of the board of managers, faculty, staff, and several guests.

Ground work for the project was started this Fall by a committee of Rose faculty wives who had a particular interest in this area. The Rose Faculty Wives Club has given the project whole-hearted support, including a financial contribution, and its members served as hostesses for the social hour which followed the meeting.

It is hoped the Project will aid in further development at Rose of the importance of the arts as a part of the cultural education and heritage which Rose students should have. Ultimately, it is hoped that physical facilities will be available on the campus for housing a permanent collection of paintings, sculpture and art objects and for exhibits and competitions by both students and faculty in the various creative media.

Officers of the group are Prof. Gordon K. Haist, head of the humanities and social studies department, chairman; Mrs. John A. Logan, vice chairman; Mrs. John Daugherty, secretary, and Dr. Oran M. Knudsen, head of the chemistry department, treasurer.

For the April 7 program, Ruel F. Burns, a member of the board of managers, showed color slides of his hunting and sightseeing trip in New Zealand and John Laska, local artist and art teacher, gave a gallery talk on his paintings which were displayed in the Levin Lounge. The 16 pictures have remained on exhibition for the students after their return from Spring vacation.