

IMPACT

Kansas State University College of Engineering

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Grier named Engineering Alumni Fellow

James R. Grier III, executive vice president of operations at Martin K. Eby Construction Co. Inc., Wichita, Ks., has been selected as the 1991 Alumni Fellow of the College of Engineering.

He earned a B.S. in CE from K-State in 1960, and returned to Eby Construction Co. as an estimator, engineer and project superintendent. In 1969 he became assistant manager of construction in charge of equipment and construction oversight on many projects.

In 1974 Grier was elected vice president and senior vice president of Martin K. Eby Construction Co. and in 1976 was elected executive vice president. From 1977 to 1979 he assumed additional duties of president and chief executive officer of Chisolm Trail Construction Co. (a subsidiary of Eby Construction Co.) and was CEO from 1980-81 until Chisolm Trail was merged back into Eby Construction Co.

Grier was appointed president of Eby Construction Co. Ranch Inc. in 1988

and became Executive Vice President of Operations at Martin K. Eby Construction Co. Inc., in 1990.

Also active in the Wichita community, Grier was loaned executive chairman for the 1990 United Way of the Plains Campaign and has been on the Wichita Crime Commission board of directors since 1982. He is on the Bank IV-Wichita board of directors, executive committee and trust committee. Grier was a member of the Wichita Chamber of Commerce board of directors and is on the Chamber of Commerce Streets and Highway Committee.

"James R. Grier III has had a very successful and distinguished career as an engineer and as an executive of a major construction company. He has contributed much to his profession and has shown considerable leadership in the field of civil engineering. He has also been very involved in his community and very supportive of his alma ma-



James R.
Grier III

ter," Don Rathbone, dean of the College of Engineering, said.

"The College of Engineering is very proud to have Mr. Grier as its 1991 Alumni Fellow," he continued, "and look forward to having him on campus to interact with our students and faculty."

Donors reminded to designate "engineering" when giving

With a little over two years remaining in the \$100,000,000 Essential Edge campaign, contributions towards the College of Engineering's \$18,000,000 goal have now reached \$10.8. The program, begun in July 1988, was implemented by the Kansas State University Foundation Board of Trustees to strengthen academics and research as K-State heads into the 1990s.

Don Rathbone, dean of the College of Engineering, reminds alumni and friends of the college that all support is needed and appreciated. In addition to

the recent telefund drive and specific mail campaigns, gifts given through the foundation can be designated for the College of Engineering at anytime. The easiest way to do this is to indicate "engineering" on your check.

Donor clubs have been established as follows: **President's Club**—\$10,000 given at one time or a pledge of \$1,000 a year for 10 years, or a \$25,000 deferred gift or endowment; **McCain Club**—\$500 or more annually; **Dean's Club**—\$250 or more annually; **Royal Purple**—\$100 or more annually.

Merger wins final approval

The merger of K-State and the Kansas College of Technology in Salina won final legislative approval Saturday, April 13, 1991.

KSU-Salina, College of Technology has been in the works since October 1989, when the Kansas Board of Regents established a task force to make recommendations regarding the future of KCT.

The merger creates the option of a four year degree in engineering technology at KCT by transferring the K-State degree program in ET to Salina.

More complete details on the merger will be featured in the Summer 1991 **Impact**.

Telefund sets new record

They've done it again! For the 12th consecutive year callers for the College of Engineering set a record in dollars and number of pledges for the KSU Foundation Telefund. From Feb. 24-28, 237 callers received \$124,000 from 3,191 pledges.

Commenting on the 6% increase over last year's \$117,500 figure, John Dollar, asst. dean of the college, said, "This is a great showing in terms of the

number of callers and their ability to have another record-setting year in dollars and pledges.

"We're particularly gratified by the results," he added, "in a year that was not considered economically 'upbeat'. Our alumni really came through for us."

The top three engineering student callers were Sarah Jewett, senior in AE; Tim Rice, junior in ME; and Wissam Naouss, junior in AgE.

Rich opens lecture series

Donald Rich, president-elect of the American Society of Heating, Refrigerating, and Air Conditioning Engineers and program manager for the Carrier Corp., was the first speaker in a new lecture series that began March 6, at Kansas State University.

The Distinguished Speaker Series was created by K-State's Institute of Environmental Research and the College of Engineering to honor Frederick Rohles, emeritus professor of engineering and former Institute of Environmental Research director, for his outstanding research in the study of environmental human factors.

The new series was proposed by Rohles' family to honor his 70th birthday last year.

"I appreciate that the IER and the College of Engineering support this idea," Rohles said.

The series focuses on engineering research and addresses a broader uni-

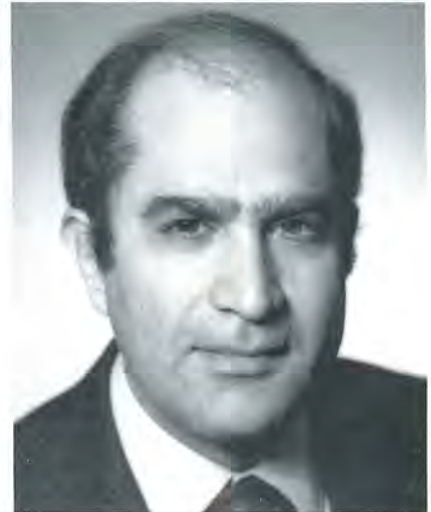
versity public outside of the college of engineering.

A committee of university personnel, appointed by the dean of engineering, decides who the speakers will be. The first series of speakers will feature Rohles' colleagues.

In his research, Rohles, director of the IER between 1973 and 1986, focused on people and their interaction within closed environments. His studies on human thermal comfort are known worldwide in the scientific community. Second hand smoke, heat stress, and the role of stress in individual cholesterol production are further subjects researched by Rohles that contributed to the international recognition of K-State's IER.

The IER, a center of interdisciplinary research, is the only one of its kind on a U.S. university campus and one of three such university-based institutes in the world.

Azadivar named as AMI head



Farhad Azadivar

Farhad Azadivar has been selected to direct the Advanced Manufacturing Institute, one of five Kansas Centers of Excellence, part of the Kansas Technology Enterprise Corporation. He assumed the directorship of AMI/CRCCA (Center for Research in Computer-Controlled Automation), which is housed in the KSU College of Engineering, Feb. 25.

Azadivar is a graduate of Purdue University where he earned a B.S. in ME, an M.S. in systems engineering and a Ph.D. in IE. He joined the KSU engineering faculty in 1990 as assoc. director of research for AMI.

Prior to coming to K-State, he chaired the department of IE at Northern Illinois University, and directed its Interdisciplinary Manufacturing Research Laboratory.

He had been a consultant to several corporations including Motorola, Caterpillar, and Samsung Electronics, Korea.

"He should make an outstanding director," Don Rathbone, dean of engineering said. "His excellent research record and proven abilities as an administrator give him a background that fits the position beautifully."

AMI's mission is to promote Kansas economic development through research and subsequent transfer of those new technologies. Its research in robotics, artificial intelligence and computer-controlled automation is enabling Kansas industries to become more competitive, Rathbone commented, and it places special emphasis on the needs of smaller companies.



Donald Rich, left, president-elect of ASHRAE, and Frederick Rohles, right, emeritus professor of engineering, KSU.

Four announce retirement

Four members of the KSU College of Engineering faculty have announced retirement plans—two from CE and one each from ME and NE.



Bob L. Smith

With more than 40 years service to his credit, Bob L. Smith will retire from the department of civil engineering. Along with his teaching duties, Smith served on the Honors and Teaching Effectiveness Committees of the College of Engineering and was director of the college's Center for Effective Teaching from 1974 to 1983. He has been director of the Kansas Transportation Conference since 1964 and was a special consultant for the development of a series of national seminars on Dynamic Design for Highway Safety during the 1970s. As co-director of the Traffic Assistance Service for the Kansas project, Smith, since 1979, has conducted and participated in seminars and short courses for traffic engineering personnel statewide. On the national level, he has been active in committee work for both the Transportation Research Board and the American Society of Civil Engineers, receiving in 1990, the Edmund Friedman Professional Recognition Award of the ASCE.



Herbert D. Ball

For nearly 35 years Herbert D. Ball has taught in the department of mechanical engineering. He has contributed to the knowledge in the field of engineering through research in solar energy, alternative heating systems and unique uses of heat transfer and thermodynamics for energy conserva-

tion. This research has led to the establishment of relevant standards for the air conditioning and heating industry. Ball's work has been widely published and presented.



John O. Mingle

John O. Mingle has contributed more than 32 years service to K-State as a professor of nuclear engineering and Executive Director of the Kansas State University Research Foundation. He was one of the first professors of NE and contributed much in the areas of reactor statics and dynamics, as well as heat transfer and thermal hydraulics. After receiving a doctorate of jurisprudence, he also taught an Engineering Law course for the college. During his tenure with the KSU Research Foundation, Mingle assisted many faculty and students with the establishment of patents. His reputation was also enhanced with many publications and books.



Wayne W. Williams

Leaving the department of civil engineering after 26 years is Wayne W. Williams. Through his efforts and guidance, the department has developed excellent undergraduate and significant graduate level geotechnical laboratory facilities. His teaching and research activities at K-State have been enhanced by his outside consulting work, allowing him to bring real-world problems and solutions into the classroom and laboratory. He is a registered engineer in four states and is listed in the American Bar Association Registry of Expert Witnesses.

Names sought for Class of '92

Nominations are now being accepted for those to be named to the Engineering Hall of Fame Class of 1992. This year's initiation ceremony and banquet will be held Oct. 4, 1991.

Eligibility is limited to engineering graduates from Kansas State University with one exception permitted each year. A minimum of 20 years professional experience is required and the following four criteria taken into account: success in chosen career, active involvement and support of the College of Engineering, active involvement and support of KSU, and professional and public service.

Deadline for the nominations is June 15, 1991. These should be sent to: Hall of Fame; College of Engineering; 146 Durland Hall; KSU; Manhattan, Ks. 66506-5104.

Colleges share \$50,000 gift

Kansas State University received a \$50,000 gift from DuPont/Conoco on April 24 to support programs in four colleges.

The gift extends a 34-year record of corporate giving which has provided more than \$1.5 million to the University through the KSU Foundation.

The \$50,000 grant will benefit chemical, mechanical and industrial engineering; chemistry; entomology; accounting; computer and information sciences; and the engineering minority scholarship program. The gift also supports K-State's \$100 million Essential Edge Campaign.

KSU President Jon Wefald accepted the gift at a luncheon which included college, departmental and KSU Foundation representatives and Conoco executives.

"Conoco focuses philanthropic giving on the most successful and productive universities," said Duane Wilson, Conoco vice president for research and engineering.

"Our success with K-State graduates parallels the university's recent success in competition for prestigious scholarships. Kansas State, behind the support of the administration and the KSU Foundation, is recognized as one of the nation's premier land grant universities and will continue to receive Conoco's financial assistance."

Dean's spring travels promote college

by Scott Scrogin

While most K-State students spent spring break sunning on the beaches of South Padre Island or skiing on the slopes of Breckenridge, Don Rathbone, dean of the College of Engineering, spent the week visiting companies and key alumni throughout Kansas, Oklahoma, and Texas. Accompanying Rathbone on the majority of his trip was Scott Scrogin, Constituent Development Officer for the Kansas State University Foundation.

The primary purpose of the trip was to inform various corporations and alumni about innovative programs and recent successes of the University and specifically, the College of Engineering. Rathbone presented a "State of the College" address that covered topics such as student accomplishments, the Salina K-Tech merger, recruiting activities, video classroom programs, the Advanced Manufacturing Institute and the new EPA Hazardous Substance Center. At three companies, Phillips Petroleum, E-Systems and Exxon, Scrogin made a presentation concerning the Foundation, the \$100 million Essential Edge Campaign and the revitalization of a corporate matching gift program known as the Corporate Alumni Scholarship (CAS) program.

The CAS program was begun in 1986 through interaction with Dow Chemical and General Dynamics. Joe Downey (ChE '59), Vice President of the Dow Chemical Co., and Rich Teichgraeber (EE '64, M.S. '66, Ph.D. '69), Engineer-

ing Specialist Senior with General Dynamics, worked with Rathbone to develop a program to pool the individual donations and matching gifts of these companies. Over time, the funds began to grow and an endowed scholarship was created in behalf of the company employees. The recent trip was designed to promote this program and educate College of Engineering alumni about how their gifts can significantly enhance the quality of individuals attracted to the College through scholarship programs.

The trip began on Monday, March 11 with a visit to Gary Michaelson, newly named General Manager at Boeing Wichita, and some of his colleagues. While in Wichita, Rathbone also visited with NCR and several key area alumni. That evening, Mrs. LeRoy Culbertson hosted Rathbone at dinner in Bartlesville, Ok.

On Tuesday, Alan Hammerli (ChE '71), Worldwide Speciality Chemicals Manager for Phillips Petroleum, hosted a luncheon for 20 K-State engineering graduates at Phillips' headquarters. Hammerli will be serving as the Phillips CAS program coordinator.

Wednesday Rathbone traveled to Dallas and visited with Walter (EE '32) and Ellen Mitchell. Concurrently, Scrogin met with Rich Teichgraeber to discuss the ongoing CAS program at General Dynamics. Scrogin also met with representatives from Texas Instruments and the TI Foundation.

Thursday was spent at E-Systems in

Greenville, Tx. Jerry Wilbeck (EE '66), Program Manager, Advanced Systems Requirements, hosted a facility tour, management meeting and luncheon attended by 24 KSU graduates. Additionally, K.H. "Dutch" Meyer, Vice President of Surveillance and Verification Systems, graciously agreed to assist Wilbeck in sponsoring the E-Systems CAS program. Dinner on Thursday was hosted by Dr. (ME '25, M.S. '33, Ph.D., Harvard, '33) and Mrs. Claude Wilson in Prairie View, Tx. Dr. Wilson is the former Vice-President and Dean of Engineering at Prairie View A&M University.

The week-long trip concluded Friday with a visit to Houston. Dick Corbin (ChE '59), Manager of Security, Exxon Co., U.S.A., hosted a luncheon for 11 K-State Engineering alumni. Corbin will be acting as the Exxon lead for their CAS program.

Earlier that morning, Rathbone stopped by Shell Oil Co. and Scrogin visited Gary Edwards (CE '63), Chairman, Conoco Ltd. and David Geist (IE '82), Manager, Planning and Administration with Conoco Inc. Edwards and Geist have agreed to act as contacts for the Conoco CAS program.

Rathbone began his return trip on Friday, and while probably not as exciting as a sun and ski spring break, the dean's trip increased the knowledge of many companies about Kansas State.

For further information on the CAS programs, please contact the Dean's office at (913) 532-5590 or Scott Scrogin at (913) 532-7523.

The following KSU alumni participated in CAS program lunches:

E-Systems

Robert Bascom IE '74
Charles Blair EE '61
Peter Bugni EE '90
William Bugni ME '86
Daryl Coleman EE '81
Armando Corrales, Jr. EE '87
Daniel Cummings Bus. Adm. '75
Victor Hager EE '59
Ronald Hood Arch.
Jeffrey Lagerberg EE '84
Gregory Loseke EE '86
Byron Lyon EE '87
Klaus Meyer B.A. '59
Gary Naden EE '84
Michael O'Connor ME '63
Rodney Quint Comp. Sci. '86
Ryan Robertson EE '87
Richard Saylor ET '82
David Schmidt Engg.

Darrell Simon B.S. '84
Scott Wentzel EE '86
Jerry Welbeck EE '66
David Yost Comp. Sci. '86
Julie Yost CE '86

Phillips

Tom Carlisle ChE '73
Kevin L. Elm ChE '81
Warren M. Ewert ChE '78
Harvey D. Hensley ChE '65
Ron H. Hunziker ChE '75
Howard H. Johnson B.S. '56
Rich A. Kinder ChE '76
Steve W. Koenig EE '77
Bill R. Litton ME '79
Scott D. Love ChE '80
Don Macklin ChE '72
Daniel G. Mann EE '66
Devendra S. Negi IE '81

Randy Olson ME '75
Robert L. Rees ME '61
Linus J. Schmitz EE '72
Terry Sealock EE '74
Jim D. Stepheny EE '76
J. Robert Wareham ME '79
Dave B. Yardley ME '68

Exxon

John D. Bailie ChE '64
Kent C. Cooper ME '75
Dody L. Cortner ME '76
James E. Gathers EE '64
Larry D. Harms ME '81
David J. Holsinger ME '68
Paul Z. McCammon ET '82
Richard D. Shimer CE '56
Ronnie D. Thomas CE '81
Kevin L. White ET '81

OPEN HOUSE '91

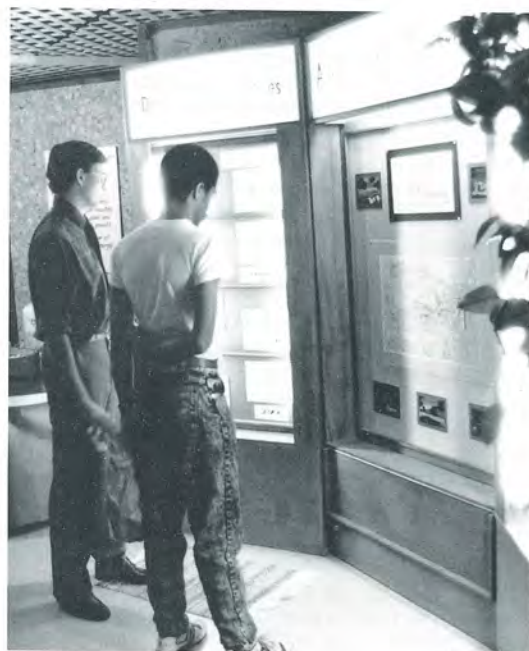


"I didn't think last year could be topped, but it was. The students provided the best open house ever," Ray Hightower, faculty advisor of Steel Ring, said in commenting on the success of the 69th Annual Engineering Open House, April 5-6.

"The parade, floats and skits were more top-notch than ever. Every year the displays become more professional—the presentations are excellent," he continued. "The judging is really getting tough as the quality across the 11 departments becomes more equal."

Winners this year were as follows: Outstanding Department—ARE; Yellow Brick—ET; Open Class—ARE; Freshman/Sophomore—CnS; Limited Class—EE and CnS (tie); Curriculum—IE and ARE (tie); and Graduate Display—Yuzhem Yang, AgE.

J. Kyle Murdock, senior in EE, Manhattan, was elected St. Pat and Connie Coltrane, senior in IE, Iola, was elected St. Patricia. The Culbertson Scholarship was awarded to Scott Aberle, junior in ME, Sabetha, and Medhat M. Morcos, EE, was named "Advisor of the Year."



(clockwise from top) Dean Rathbone announces the winners of the St. Pat and St. Patricia competition; visitors stop to study AgE exhibit; a variety of floats highlight the parade; and war theme captures "Yellow Brick" award.

Richard Klaassen (EE '87) married Melissa Schwartz June 11, 1990. He transferred from GE Research and Development, Schenectady, N.Y., to GE Aircraft Engines, Cincinnati, Oh., Feb. 11, 1991.

Timothy Bower (EE '87) and his wife Pamela, Overland Park, Ks., announce the birth of a son, Joseph Calvin, Dec. 28, 1990. Tim is employed by United Telecommunications as a member of the technical staff in their applied technology department.

David Hardin (Ph.D. EECE '89) is a research and development engineer for Collins Commercial Avionics, Rockwell Intl., Cedar Rapids, Ia. His wife Deborah (M.S., Psych. '87) is also employed there as a human factors psychologist. Their son Samuel will celebrate his first birthday in April 1991.

Leif Holliday (CE '90), Topeka, Ks., is an engineer for the Kansas Water Resources Dept. He and his wife Lori became parents of twin sons, Ethan Alexander and Jacob Nicholas, Sept. 3, 1990.

Eric S. DeHaven (AE '90) married Jennifer McMahill (El. Ed. '89) Jan. 4, 1991. He is employed by Maniktala Assoc., K.C., Mo.

Jim Garrison (AgE '90) is currently a refrigeration engineer for Cargill, Inc., PPD, California, Mo. Jim sends the following message, "I wish Steel Ring and everyone else involved a very successful Open House."

Deaths

John L. Mitcha (ME '40), Overland Park, Ks., died Jan. 4, 1991. He had worked 39 years for the GE Co. before his retirement in 1979 and was a professional engineer in the states of Illinois, Missouri and Kansas. He was a member of ASME for 50 years. Survivors include his wife Ruth, son John, daughter Barbara and six grandchildren.

Edgar R. Lane, Jr. (ME '48) died June 4, 1990. He is survived by his wife Marie, Tampa, Fl.

Arel Leroy Langston (EE '49) died of cancer Feb. 23, 1991, in Denver, Co. He had worked for Mobil Oil Co., Augusta, Ks., for 10 years, finishing his career with Stearns-Roger Engineers, Denver, Co., retiring in 1982. He is survived by his wife Viola, son Bradley, daughter Amy and two grandchildren.

Everett Hart (ME '55) died of a heart attack Jan. 23, 1991, in Cullman, Al. He had retired in 1988 as president of Americold, Athens Products, WCI Components Division. He is survived by his wife Jane Currier Hart (KSU '54) and three sons Michael, Larry (KSU '79) and David.

Harold E. Kubik (AgE '57) died Feb. 1, 1991. He had worked for the U.S. Army Corps of Engineers, Hydraulic Engineering Ctr., Davis, Ca., for 24 years. He is survived by his wife Kathaleen, a daughter and two sons.

Snell nominee for ASCE post

Bob Snell, professor and head of the department of civil engineering at K-State, is the official nominee for Vice-President Zone III, of the American Society of Civil Engineers. Snell's name was sent forward to the District #16 Caucus by the Kansas Section of ASCE, where he was named the official nominee of the district. His nomination was then confirmed by the Zone III Caucus in Feb. Elections are handled by mail in July, with results announced in Aug.

Snell has been a member of the K-State engineering faculty since 1957, and has served in a number of positions with the Kansas Section of ASCE, including president in 1972. On the national level he has served as a member and chair of numerous committees. He is currently chairman of the Alfred Nobel Prize Committee.

Two departments host conference

The K-State departments of civil engineering and architectural engineering and construction science hosted the 14th annual Scholer Concrete Conference Feb. 7, in the Union.

Entitled "Vertical Concrete—Quality and Field Practice," this year's conference included workshops on testing and specifications, field placement of vertical concrete, vibration demonstrations of wall construction and new and innovative equipment.



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