

IMPACT

Kansas State University College of Engineering

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Slaughter Receives Honorary Degree

John B. Slaughter (EE '56) received an honorary doctorate of science in engineering from K-State prior to giving the first All-University Convocation lecture of the fall semester Thursday, Aug. 25, in McCain Auditorium.

Slaughter's appearance was in conjunction with K-State's 125th Anniversary. He spoke on "Education & Opportunity."

The new president of Occidental College in Los Angeles, Calif., and a Kansas native, Slaughter is a former director of the National Science Foundation and former president of the University of Maryland. He chairs the President's Commission of the National Collegiate Athletics Association (NCAA). Slaughter has received 14 honorary doctorates. Institutions honoring him include the University of Notre Dame, Tuskegee Institute, the State University of New York at Buffalo, Rensselaer Polytechnic Institute, and others.



Slaughter

Edwards Named Alumni Fellow

Gary W. Edwards (CE '63) returned to campus in April as the 1988 alumni fellow. The fellows program is designed to recognize alumni who have distinguished themselves in their careers. Edwards is vice president in charge of Conoco's refining and marketing operations in Europe and chair of the company's British subsidiary, Conoco Limited. Based in London, his work spans 10 European countries.

He took over his international responsibilities in July 1987. Previously he was Conoco's vice president for refining, marketing, and transportation of petroleum products in North America, based in Houston, Texas. He has been with Conoco since his graduation.



Edwards

His professional leadership has included a term as vice president of the American Petroleum Institute's General Committee of

Marketing, membership on that group's budget and planning committee, and on K-State's Engineering Advisory Council.

Two New Department Heads Selected

John M. Ulrich has been named head of engineering technology and **R. Michael Harnett** has been named head of industrial engineering.

Ulrich comes to K-State from the Indianapolis Center for Advanced Research (ICFAR) where he was associate director of technology transfer. ICFAR is an agency of Indiana-Purdue University at Indianapolis. While at ICFAR, Ulrich also was director of operations for ARAC, one of 10 NASA industrial applications centers. Ulrich was a professor for 23 years at Indiana-Purdue University. He received his B.S. in mechanical engineering in 1957 from the University of Cincinnati and his M.S. from Penn State in 1965. He and his wife, Judith, have five children.

Harnett comes to K-State from Louisiana Tech University at Ruston, where he was an associate dean and professor. He received a bachelor's degree in math from Louisiana Polytechnic Institute, a master's in operations research and a doctorate in industrial and systems engineering from the University of Alabama at Huntsville. He and his wife, Carolyn, have two children.



Ulrich



Harnett

College Presents Two DSAs

Richard M. Kerschen (CE '64) and Darrel M. Hosler (ME '59) were presented Distinguished Service Awards at commencement ceremonies last spring.

Kerschen is president and chairman of the board of The Law Company, Inc., a construction company in Wichita, Kan., where he has worked since 1965. He also was in the U.S. Air Force at the Wurtsmith Air Base in Michigan 1968-1969. He is a member of the Associated General Contractors of America and has chaired the board of directors of the Construction Education Committee; chaired the Advanced Management Program Task Group; and co-chaired the NAWIC-AGC Joint Committee.



Kerschen

A member of the KSU Construction Science Advisory Board, he also is a member of the Associated General Contractors of Kansas and the Kansas Construction Laborers Training Committee. He is a member of the board of governors for Wichita State University, a member of the board of directors for St. Francis Regional Medical Center, the Catholic Social Service, Kansas State Bank and

Trust, and the Wichita Area Chamber of Commerce. He and his wife, Hannah, have three children, Dennis (a K-State graduate), Karla, and Brian.

Hosler has more than 25 years experience with Burns & McDonnell and is executive vice president of the firm. He is responsible for major aviation and industrial clients and



Hosler

for the coordination of risk management activities of the firm. His experience includes numerous aviation and industrial projects for major airports, corporate, and governmental clients, both domestic and foreign. He is a member of the National Society of Professional Engineers, the Kansas Society of Professional Engineers, and Pi Tau Sigma.

Dean Rathbone to Chair National Group

KSU Dean of Engineering Donald E. Rathbone has been selected as the 1988-89 national chair of the Professional Engineers in Education. The group is part of the National Society of Professional Engineers (NSPE), Washington, D.C.

In addition, he will serve on the NSPE executive committee and on the special engineering education task force. Rathbone was installed July 22 as national chair during the summer meeting of NSPE in Seattle.

Rathbone has been dean of engineering at K-State since 1973 and has been active locally as well as nationally. He is a past president of the Manhattan Rotary Club, served

two terms on the Manhattan Chamber of Commerce board of directors and has been a member of the industrial advisory committee since 1975. He is the organizational board chair of the planned entrepreneurial center for greater Manhattan.

Nationally, he is legislative chair of the Kansas Engineering Society and a member of the executive committee of the Commission on Engineering Education for the Land-Grant Colleges and Universities in the United States. He is a past member of the executive committee of the Engineering Deans in the United States. Rathbone also is listed in "Who's Who."

New Faces Join Faculty

James R. Hague has been named an assistant professor of engineering technology. He earned his bachelor's degree at K-State and his master's at the University of Kansas. He is retired from the U.S. Navy and comes to Manhattan from the U.S. Naval Academy. He is married and has two children.

Steven C. Moser has been named an instructor in architectural engineering and construction science. He is a K-State grad with a B.S. in architectural engineering. He recently earned his master's degree in civil, environmental, and architectural engineering at the University of Colorado at Boulder.

Faculty Changes

John Walters began new half-time duties Aug. 1 as executive vice president of the Kansas State University Research Foundation. He will be half-time with the Kansas Entrepreneurial Center, Inc., as president and chief executive officer. The post will allow him to join the functions of both organizations.

Since Jan. 1, Walters has been director of the KSU Office of Commercialization of New Technology, which studied the feasibility of a new business incubator in Manhattan. Walters is a 1960 KSU engineering graduate.

Retired Professor Dies

Harold H. Munger, 97, of Port Charlotte, Fla., died June 24 at his home. He taught at K-State for 15 years. He retired as an associate professor emeritus in 1962 and moved to Florida the same year.

He had been a civil engineer for the Kansas Highway Commission and was honored as the Kansas Conservationist of the Year in 1975.

Some National Reviews of Kansas State University and its College of Engineering

To our students, alumni and friends: Listed below are some recent reviews of the University and the College. I thought you'd like to see them.

Don Rathbone, Dean
College of Engineering

CHANGING TIMES

MARCH 1988
17.50

From our list of low-priced, high-quality schools, a panel of experts picks the very best.

High-Quality, Low-Cost Colleges

At each of the colleges listed below, the total cost for tuition, fees, and room and board is less than the national average. The private colleges cost less than \$10,500, the average for private four-year colleges for the 1987 to 1988 academic year. Public colleges on the list cost less than the national average of \$6,500 for out-of-state students for the same

year. (The first figure for public colleges is the cost for in-state residents.)

Average freshman SAT or ACT scores at each school are above the national averages of 906 and 20, respectively, and each college was chosen for its high academic quality by at least three of the 13 authorities named below.

ALABAMA UNIVERSITY OF ALABAMA IN SYSTEMS COLLEGE TUSCALOOSA, ALA. 35486 (\$3,200)	ALABAMA UNIVERSITY OF ALABAMA TUSCALOOSA, ALA. 35486 (\$3,200)	ALABAMA UNIVERSITY OF ALABAMA TUSCALOOSA, ALA. 35486 (\$3,200)	ALABAMA UNIVERSITY OF ALABAMA TUSCALOOSA, ALA. 35486 (\$3,200)
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KANSAS
KANSAS STATE UNIVERSITY
MANHATTAN, KAN. 66506 (\$3,521; \$5,521)

● And from the *Yale Daily News, Insiders Guide to the College, 1987-88,*

"Engineering and architecture, like agriculture, are said to be among the best in the nation, and, in fact, have higher enrollments than agriculture."

● And from Edward B. Fiske, Education Editor of *The New York Times* in his book: *The Best Buys in College Education, 1988,*

"(Those) . . . who find their way along the yellow brick road to Kansas State are likely to give upbeat reviews to top-rated engineering, agriculture, architecture, and science programs; the solid faculty advising; and 'the positive and friendly atmosphere,' Says one senior: 'People at K-State tend to be easy to talk to and try to make visitors or newcomers feel at home.' "

Researchers Study Electrical Loan Management for State

KSU researchers are examining ways to save consumers and electric companies money with such innovations as automatic meter readers and air conditioning interrupters.

The Kansas Electric Utility Research Program, a consortium of Kansas electric utility companies, is sponsoring the work of two professors and a graduate student to determine if these and other new energy saving techniques are economically feasible and whether some of the strategies should be applied on a statewide level. The \$88,000,

three-year study will be completed in the summer of 1989.

Kenneth Shultis, professor of nuclear engineering, and Anil Pahwa, professor of electrical and computer engineering, along with Alan Myers, graduate student in electrical engineering from Garden City, are performing the study. Objectives of the project, according to Shultis, are to reduce problems arising from peak demand for electricity and to evaluate automated strategies for electricity distribution to customers.

He said the air conditioning interrupters, for example, are devices attached to homes and business air conditioners which cut power for short periods of time during peak conditions, while affecting no other appliances. The device helps generating plants meet the demand more economically without noticeably affecting the customer.

Two hundred homes in Kansas City and in western Kansas are fitted with the devices, Shultis said. Experimental data is being collected to determine the feasibility of their use.

Students Help Upgrade Farm Equipment Plant

Five K-State engineering students are helping a farm equipment manufacturing company, Hay and Forage of Hesston, upgrade and computerize the plant's drafting system.

Student research assistants, under the supervision of Dan Swenson and Prakash Krishnaswami, professors of mechanical engineering, are entering drafting data on computers at KSU for transfer later to the

company's computer system. Using Hay and Forage as a model, Swenson said they hope to attract similar projects with other companies.

"We would like to have a seminar to make companies aware of ways they can modernize the (computer drafting) capabilities of their plants," he said. An added benefit to students is the opportunity to expand their computer skills.

KSU Departments Cooperating to Develop Ethics Course

The Department of Architectural Engineering and Construction Science and the Department of Philosophy will cooperate in the development of a model course dealing with ethics. The Education and Research Foundation of the Associated General Contractors of America has awarded \$25,000 to two departments at KSU to conduct the two-year project.

Robert Dahl, a professor of architectural engineering, will serve as the project's principal investigator, while Sarah Merrill, a professor of philosophy, will assist. The aim of the study is to develop a course which will address ethical issues and questions concerning construction science, said Dahl.



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Dean of the College
Donald E. Rathbone

Acting Director, Engineering Experiment Station
Gale Simons