

IMPACT

Engineering to Aid Essential Edge Campaign Drive

A public announcement is planned early in 1990 for the most ambitious fund raising campaign in the history of Kansas State University. The Essential Edge Campaign will focus on positioning the university to take advantage of its many strengths as it moves into the next decade. To accomplish this, a financial goal of \$100,000,000 has been set.

While the public announcement is several months away, work has already begun on the organizational phase of the campaign. Members of the national steering committee, the group responsible for identification of volunteer leadership, have been selected. Donald E. Rathbone, dean of the College of Engineering, along with being the representative for the College of Engineering, also represents all deans of the university on the national steering committee. Lead gifts to the campaign will be sought beginning soon after the initial meeting of this committee.

The Essential Edge Campaign will be university-wide, addressing needs within each of the colleges and major units of the university. Alumni and friends will be given the opportunity to direct their gifts to the college, department or project in which they have the most interest.

A full range of gift opportunities will be available to donors—from current gifts and multi-year pledges to planned gifts. Gifts made to the campaign will offer tax benefits to donors and may be arranged to provide more direct benefits to them and their family as well as support the university.

Early survey and planning work has indicated a tremendous level of support for the Essential Edge Campaign.

"The College of Engineering will be a major participator in this campaign," Rathbone said, adding that alumni wishing to take part should contact him.



David L. Soldan

Soldan Chosen to Head Electrical Engineering

David L. Soldan, a Wichita area consultant and automation engineering manager for NCR Corp., has been named head of K-State's electrical and computer engineering department effective July 1.

A 1980 KSU doctoral graduate, he replaces Donald Hummels who is returning to teaching and research on a full-time basis after serving as the department head since 1983.

"We are grateful for Don's dedicated service and are tremendously pleased that he will remain with us, concentrating on his interests in research and teaching," Donald E. Rathbone, dean of engineering, said.

"We are also happy to have David Soldan back at K-State," Rathbone continued. "He will bring a wide breadth of experience with him with backgrounds in industry, academic and professional involvement."

Soldan served as an associate professor in Oklahoma State University's school of electrical and computer engineering from 1983 to 1987. He was nominated for the Haliburton Outstanding Engineering Faculty Member Award in 1986.

A Manhattan native earning his B.A. and M.S. degrees from K-State also, Soldan is a senior member of the Institute of Electrical and Electronics Engineers. He and his wife Dorothy have three children, Daryn, Daniel and Diane.



(l to r) Don Rathbone, dean of the College of Engr.; Jim Calloway, Pres. of SW Bell, Ks. Div.; State Rep. Lana Oleen; Pat Alexander, Pres., Ks. State Bank, Manhattan and Marcie Wood, SW Bell, Mgr. of Public Affairs for NE Ks., visit during KEC dedication activities. See related article inside.

Dao Named Double Winner



Teresa Dao, ChE, receives Phi Kappa Phi award from Don Rathbone, dean of the College of Engineering.

Hall of Fame Selection Deadline Set for Sept. 1

Donald E. Rathbone, dean of the College of Engineering, has set Sept. 1 as the deadline for selections for the 1989 Class of Awardees to the KSU Engineering Hall of Fame.

A ceremony is planned for Oct. 7 to recognize the first inductees who will have been selected by a committee formed from the Engineering Advisory Council and engineering faculty and chaired by Dean Rathbone.

Nominations may be made by anyone: peers, alumni, faculty or self. Those eligible for this recognition are former engineering students and engineering friends of KSU. They will be selected on the basis of national or international recognition and must evidence leadership in industry, government, education, consulting or contracting, or have made a unique engineering contribution to society through inventions, successful patents, unique designs or other accomplishments. Involvement with the KSU College of Engineering will be a factor and a minimum of 15 years professional experience is required.

Membership into the Engineering Hall of Fame will be limited to one to two percent of College of Engineering graduates. Nominations and supporting documentation should be mailed to the Hall of Fame Selection Committee, College of Engineering, 146 Durland Hall, Kansas State University, Manhattan, Ks. 66506.

Teresa Dao, 1989 K-State graduate in chemical engineering, has been awarded two prestigious fellowships for graduate study in 1989-90.

She is one of 33 engineers in the nation to be selected for a Tau Beta Pi Fellowship which is awarded on a competitive basis of high scholarship, campus leadership and service, and promise of future contributions to the engineering profession. Tau Beta Pi is the National Engineering Society and is the world's largest engineering society.

Dao has also been named a recipient of one of 50 fellowships awarded each year by the Honor Society of Phi Kappa Phi. The awards are intended for the support of students undertaking first-year graduate study within 12 months of receiving their undergraduate degrees. In addition to scholastic achievement and test scores, primary consideration is given to the applicant's promise of success in graduate or professional work, experience, evaluation by instructors and expression of study plan and career goal.

KEC Dedication Cites Growth, Progress at Center



(l to r) Don Rathbone, dean of the College of Engr.; Jim Calloway, Pres. of SW Bell, Ks. Div.; George Miller, Vice Pres., KSU, Administration and Finance and John Walters, Pres. and CEO of KEC, attend dedication ceremonies.

The Kansas Entrepreneurial Center (KEC), housed in the Southwestern Bell building at 1640 Fairchild, was officially dedicated May 25.

Founded in Aug. 1988 as an incubator for newly starting businesses, the center serves as a research aid for Kansas State University as well as a means of economic development for the Manhattan area by combining university research and small business development.

Donald E. Rathbone, dean of the College of Engineering, in a dedication speech told those at the ceremony that the non-profit organization is a "productive force for both the community and the university."

IAP Promotes Student/Industry Cooperation

The Department of Industrial Engineering has initiated an Industrial Associates Program (IAP) aimed at promoting cooperative action between industry and the department to enhance the participation of outstanding students in advanced engineering education.

According to Dr. Michael Harnett, department head of IE at KSU, under the IAP, a company will provide a project for a graduate student to pursue on campus collaterally with his classroom activities. In consideration of the efforts of the graduate engineer's efforts on behalf of the company, the graduate assistantship is funded by the company.

The IAP will provide financial assistance and valuable experience, making graduate study possible for outstanding IE students.

Approximately six months after its opening, KEC is nurturing four businesses and has expansion phases planned. With only one office vacant of a total 1,800 square feet of basement space, John Walters, KEC president and chief executive officer, announced some of these expansion plans during the dedication.

He said Phase II will include about 2,500 square feet of office space on the first floor of the building, and Phase III will involve another 2,400 square foot section of this floor.

Walters anticipates about six more offices in this area will be available some time during 1990.

Teaching, Service Awards Presented



Peter B. Cooper



William T. Keogh



John W. Walters

Peter B. Cooper, CE, was presented the James Hollis Award for Excellence in Undergraduate Teaching and William T. Keogh and John W. Walters received Distinguished Service Awards from the College of Engineering during Kansas State University's 126th annual commencement activities May 13.

Cooper, a member of the faculty of the department of civil engineering since 1966, teaches courses in mechanics, structural analysis and structural steel design. His research interests have been in the area of strength and behavior of steel structures.

A native of Connecticut, Cooper earned his B.S., M.S., and Ph.D. degrees in civil engineering from Lehigh University. He is a fel-

low of the American Society of Civil Engineers, which he has served as president of the Kansas Section and as chairman of several national committees within the Structural Division. He is also a member of the American Society for Engineering Education and the Structural Stability Research Council.

William T. Keogh, a native of New York City, attended KSU where he received a degree in chemical engineering. After graduation from Stanford Law School, his career has included international treaty negotiations and service as counsel and judge in criminal cases.

He was senior partner of Keogh, Marer and Flicker until 1985. He is presently pro-

fessor emeritus of the Stanford Law School, and head of the Law Office of Wm. T. Keogh.

He is a bar member of the Supreme Court of the United States, Supreme Court of California, U.S. Court of Claims and U.S. Court of Military Appeals.

John W. Walters is a 1960 graduate of KSU with a B.S. in electrical engineering. He is the president of the Kansas Entrepreneurial Center and president of the KSU Research Foundation, both in Manhattan.

Walters' background includes engineering and management positions with General Electric, Rockwell International, General Dynamics and Lynch Communications. He has served on the Engineering Advisory Council since 1980.

Faculty Named to Board Positions



Kansas Governor Mike Hayden has appointed Dr. Gale Simons to the state's Technology Enterprise Corporation Board of Directors. Simons is Associate Dean for Research and Director of the Engineering Experiment Station at KSU. He was appointed to the governor's Low-Level Radioactive Waste Interagency Task Force in 1987, is a member of the State of Kansas Radon Advisory Committee and the Board of Directors of the Kansas State Research Foundation.

Other engineering faculty serving on state and national boards include Donald E. Rathbone, dean of the college, who is fulfilling a 1988 four-year appointment on the Advisory Commission for Health and Environment for the State of Kansas.

H.J. Donnert, NE, has received a reappointment to both the American Nu-

clear Society Education Division, Student Activities Committee and the ANS Executive Committee.

Director of Engineering Extension Programs, Richard B. Hayter, has been elected International Vice President of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) for 1989-90.

Mike Lucas, EE, has been named vice president for the Institute of Electrical and Electronic Engineers Instrumentation and Measurement Society.

Steve Konz, IE, is one of the U.S. members of the International Standards Organization Technical Committee 159, Ergonomics. He has also been appointed editor of **Ergonomics International**, the newsletter of the IEA.

Hunt Still Advising at 89



O.D. Hunt (right) advises David McIntyre, Jr., EE, in preparation of his fall semester class schedule.

Even though April 13, 1989, marked his 89th birthday, retired EE professor, O.D. Hunt, was conducting business as usual at his "out of retirement" position for the College of Engineering.

For six weeks each semester, he works from 8:00 a.m. to 4:30 p.m., pre-advising students for their upcoming semester's classload. Meeting with them in 15 minute segments, he assists about 400 electrical and computer engineering students.

By doing so, as Hunt explains it, he "relieves the other instructors in the department" from this duty. A much-needed assistance for them, he added, as EE is the largest

department in the college with approximately 735 students.

When he retired in 1980, Hunt said the department head "saw the overload coming" and asked him at that time if he would return for the temporary advising position.

Still at his post 9 years later, Hunt commented, "It does tie me down for six weeks each semester, but I wouldn't do it if I didn't enjoy it."

Dr. Don Hummels, electrical and computer engineering head last semester, said of Hunt's contribution, "He does an excellent job and it would be very hard to get along without him."

College Hosts Spring Conferences

The College of Engineering was actively involved hosting conferences this spring bringing educators and professionals in various fields together on the K-State campus.

The 71st annual Kansas Transportation Engineering Conference was held March 29-30, sponsored jointly by the College of Engineering, Kansas Dept. of Transportation, Kansas Assoc. of County Engineers, Kansas Inst. of Municipal Engineering and Kansas Assoc. for Uniform Traffic Control. Presentations were made by faculty and industry transportation consultants. Prof. Bob Smith, CE, was the conference chairman, a role he has played for over 20 years.

May 21-23 were the dates of the Illuminating Engineering Society's 1989 Midwest Regional Conference, sponsored by the KSU student section of IES, Clarence Waters, advisor. This was the first time a regional conference had been held at a university. Workshops were presented by professionals from the region which includes Kansas, Nebraska, Missouri, Iowa and Illinois. A student design competition was also held in conjunction with the three-day event.

The Conference on Hazardous Waste Research was held at the K-State Union May 23-24. Approximately 70 engineers, practitioners and scientists conducted sessions dealing with research and developments in hazardous waste research. The new E.P.A. Regions Seven and Eight Center for Hazardous Substance Research is located at K-State with Larry Erickson, professor of chemical engineering, serving as director.



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Dean of the College
Donald E. Rathbone
Acting Director, Engineering Experiment Station
Dr. Gale Simons