

# IMPACT

Kansas State University College of Engineering

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## Fiedler gift to fund engineering library

A \$1.4 million gift from Alice Fiedler of St. Petersburg, Fl., will allow the Kansas State University College of Engineering to create a research and teaching library.

She previously gave \$500,000 to endow a distinguished chair in electrical and computer engineering. Both gifts were given as part of the \$100,000 million Essential Edge Campaign and have created trusts with the Kansas State University Foundation.

The gifts are memorials to Alice Fiedler's husband, George, a K-State engineering graduate. George Fiedler, who died in 1988, was a native of Bushton, Ks. As a principal engineer with an international consulting firm, he specialized in the design of instrumentation, automatic controls and data

handling systems. He designed industrial plants for Monsanto, NASA, Argonne National Laboratory, General Electric and TWA.

"George Fiedler was one of Kansas State's most distinguished engineering graduates," said Don Rathbone, dean of the college of engineering. "We are delighted that his professional success will continue to benefit the university through the generosity of Mrs. Fiedler."

"Though not a Kansas native, through the eyes of my husband, I came to appreciate Kansas and its people," Alice Fiedler said. "I learned to recognize the contribution made by Kansas State University, not only to Kansas, but also to the many areas throughout the United States where K-

State graduates choose to live and work. It gives me much pleasure to provide Kansas State University with an engineering library and to endow a distinguished chair in electrical and computer engineering. May they be sources of information and inspiration for years to come."

Kansas State University officially recognized Alice Fiedler's support of the university in October when KSU President Jon Wefald presented her with the KSU President's Award at the Hall of Fame Ceremonies.

"It is a pleasure to recognize Alice Fiedler with a President's Award," Wefald said. "This unique award recognizes exemplary and outstanding commitments of leadership and resources to the university."

## Siegeles hailed as 'great supporters'

A Texas couple, Hal and Mary Siegele, have made a \$500,000 commitment to the College of Engineering, as a part of Kansas State University's Essential Edge Campaign.

The Siegeles, from Houston, established a charitable remainder unitrust with the KSU Foundation. The trust, funded with corporate stock, will provide lifetime income to the Siegeles and eventually provide scholarships in the College of Engineering.

"The College of Engineering is indeed fortunate to have committed alumni and friends like Hal and Mary Siegele," Don Rathbone, dean of engineering, said. "Hal had a truly outstanding career with Exxon. The Siegeles are among the university's strongest advocates, giving of their time, talent and resources. Their sup-

port allows the College of Engineering to strengthen its position as a center of academic excellence. We are most appreciative of the Siegeles' support."

"Hal and Mary Siegele have been great supporters of K-State for years," said K-State President Jon Wefald. "In 1990, the Siegeles gave \$100,000 to provide engineering scholarships and \$25,000 for the dean of engineering. The gifts included matching support from the Exxon Educational Foundation."

"Based on K-State's record of exceptional academic achievement, we are very proud of Kansas State's faculty and students," Siegele said. "Academic excellence requires exceptional faculty who transfer knowledge to exceptional students. Our gift will help Kansas State continue to attract ex-

ceptional students."

Both Siegeles graduated from K-State. Hal Siegele earned a degree in chemical engineering in 1947, and Mary a degree in biology in 1948. Hal received the college's Distinguished Service Award in 1978 and served as chairman of the college's advisory council. He retired from Exxon after spending much of his career overseas. He was elected to the KSU Engineering Hall of Fame in 1989, is listed in Who Who's in Engineering, and earned the Francisco Miranda Medal from the Venezuelan government.

The Siegeles are members of the KSU Foundation's Benefactors Circle donor group. They serve as Houston regional chairpersons for the Presidents Club donor group.

## Union new location

# Over 600 attend Engineering Career Fair

The eighth annual College of Engineering Career Fair sported a new look this year—for the first time, it was held in the K-State Union Ballroom.

And the response? "It was great," said Barbara Finnegan, staff assistant and one of the coordinators of the event. "We had plenty of room for our 55 exhibitors and the evaluations from the corporations have been very positive."

The biggest concern, Finnegan explained, was getting the students to come to the Union. In the past, the fair had been held in Durland Hall.

"But we had over 600 students attend; the corporates were pleased with the move, and we plan to go back to the Union next year," she said.

Companies and government agencies set up information booths in the Union Sept. 24, and made themselves

available for students' questions concerning career opportunities. The evening before, Sept. 23, an Industry Recognition Banquet was held at the Manhattan Holidome. Here students were encouraged to sign up and sit with corporate recruiters of their choice. Twenty-nine corporations and 165 students participated in this event, Finnegan said.

Another "first" for this year's fair was the preparation and distribution of a Senior Resume Book. This idea was initiated by the dean of engineering, Don Rathbone, Finnegan said, and became the project of the Engineering Student Council. More than 300 engineering seniors, and fifth year and graduate students, submitted one-page resumes, which were put in book form and handed out to corporate and government recruiters.

"The response to this was also very positive," Finnegan said. The Minority Engineering Program, which sponsors the career fair, gave out a Women and Minorities Students in Engineering book of resumes—a publication they prepare annually. It contained the resumes of 96 students from freshman through graduate level.

Students majoring in computing and information systems were invited by Dean Rathbone to participate in the fair for the first time. An invitation was also extended to students from KSU-Salina College of Technology.

## Exxon gift

To assist universities in providing the extra funding needed for special programs and equipment, Exxon is contributing departmental grants to approximately 100 colleges and universities.

As part of the national program, the KSU College of Engineering will receive \$14,000 in grants for the following departments: ChE, ME, EE and CE.

Designated departments can use the grants for any educational purpose they choose. Past grants have supported scholarships, field trips, visiting speakers, equipment purchases, student and faculty travel to professional meetings, and many other academic projects designed to attract quality students.

Exxon makes the grants to schools which offer degrees in educational fields where the company recruits future employees.

## Dow Chemical commits \$250,000

Dow Chemical Co., based in Midland, Mi., has made a \$250,000 commitment to the Essential Edge Campaign. Dow will invest \$125,000 to help the College of Engineering modernize chemical engineering laboratories. The balance of the five-year gift will support a variety of programs, including a graduate fellowship and the departments of mechanical engineering and electrical and computer engineering.

"We are very pleased that Dow will continue its strong support of the College of Engineering," Don Rathbone,

dean of the college, said. "We are particularly grateful they will equip one of our major laboratories. Dow Chemical has been a long-time friend of higher education, and we are fortunate to be included among the universities they support."

Joe Downey, a 1959 KSU graduate in ChE, and Dow senior vice president, helped coordinate the gift for the college.

"Dow is very pleased to be a part of this campaign and we wish Kansas State well in achieving its ambitious goals," Downey said.

## Kyle named Segebrecht Award winner

Chemical engineering professor Benjamin C. Kyle, a pioneer in the development of the fuel gasohol, has been named the 1991 winner of the Segebrecht Award in chemical science.

The award was established through the KSU Foundation by the Segebrecht family of Leawood to honor the late Erwin W. Segebrecht, a 1938 graduate. Kyle was selected by a committee comprised of faculty members from

the departments of chemistry and chemical engineering.

In announcing the award, KSU Vice Provost and committee chair Timothy R. Donoghue said, "Professor Kyle, who is one of the nation's leading authorities in thermodynamics, received a patent for a gasohol manufacturing process. His more than 35 years of teaching and research in thermodynamics is reflected in his writing a 512-page textbook on the subject.

The presentation of the Segebrecht Award is most fitting and deserved."

In establishing the award, the Segebrecht family expressed their interest in recognizing stimulating teachers and researchers who are effective in generating student interest in chemical science.

The award consists of a plaque and an honorarium of \$2,000. Kyle is the fifth recipient of the Segebrecht Award which was established in 1986.

## Magnus joins Foundation

Bedford Magnus, a retired district manager with Kansas Power and Light, has joined the Kansas State University Foundation as a constituent development officer for the College of Engineering.

Magnus will work with engineering college and Foundation officials to obtain private sector financial support. The Foundation is the university's fund raising arm.

"It is wonderful that a man who has retired from industry after holding a number of responsible positions is now willing to work for the College of Engineering in the Essential Edge Campaign," said Don Rathbone, dean of the college. "Bedford has an impressive management and leadership record, and we look forward to this new

association."

Magnus is an Agenda, Ks., native and received a B.S. in EE from K-State in 1950. He has held positions with Lockheed Aircraft, Beech Aircraft, KG&E and KP&L, and served three years on the Kansas Chamber of Commerce Board. Magnus and his wife, Lois, are members of the Presidents Club donor group at KSU.

"I look forward to serving K-State and working with others who have a deep sense of commitment to the university's future," Magnus said. "The university, and the engineering program in particular, have always been very important to me. I look forward to working with Dean Rathbone and the KSU Foundation staff during the Essential Edge Campaign."

## Conco, Inc. to benefit research

The Kansas State University Foundation has received a gift from a Wichita company that specializes in building construction, to underwrite faculty research in the College of Engineering.

Tim Nightingale, Craig Nelson and Dan Waller of Conco, Inc., made the contribution in the company's name to establish The Conco Award. The gift is included in the university's \$100 million Essential Edge Campaign.

The fund will be placed in a permanent, nonexpendable account and annual investment income will finance the award, to be granted to a professor of architectural engineering and construction science for research.

"Faculty research is very important in engineering," said Don Rathbone, dean of the College of Engineering. "We appreciate commitments from alumni and friends such as Tim and Craig and Dan, and their business associates to support faculty research projects. Research awards help make our faculty more effective and also advance the state-of-the-art in the profession."

"Research is an important element of a complete educational system. The Conco, Inc., Award will support professional research, benefiting students at Kansas State University, as well as the researcher," Nightingale said.

## Halliburton professors

Charles Bissey, ARE and CnS, Daniel Swenson, ME, and Hermann Donnert, NE, have been selected as Halliburton Professors for 1991, in recognition of their "excellent careers" at Kansas State University.

The financial support associated with this professorship is \$2,500 plus \$1,000 to be used for travel in connection with professional meetings, memberships, attendance at seminars and short courses to enhance faculty skills and development.

The Halliburton Foundation presented the grant to Don Rathbone, dean of the College of Engineering, on behalf of the Halliburton Company, a world-wide provider of diversified oil field, engineering and construction services.

## MCIB scholarship

Jeremy English, senior in CE, has been selected to receive the first scholarship award given by the Mid-West Concrete Industry Board Educational Fund.

In naming English the recipient of the \$500 scholarship, the selection committee took particular note of his "interest in concrete structural design, outstanding grade point average and participation and leadership in professional organizations."

The MCIB Educational Fund was initiated in January 1991 to enhance continued interest in concrete design and construction.

## Your gift makes a difference . . .

Contributions from alumni and friends strengthen academics and research at KSU College of Engineering .

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# 1991 Engineering Hall of Fame

The Third Annual Kansas State University College of Engineering Hall of Fame induction ceremonies were held Oct. 4 at the Manhattan Country Club. The Class of 1991 was honored following a reception and dinner.

Those inducted were: L. Bruce Johnson, 1947, EE; Carl M. Coonrod, 1949, ARE; and James D. Callen, 1962, NE.

Also inducted were two members who had been unable to attend the ceremonies of their respective classes—from the Class of 1989, Tom Barrett, 1959, ChE, and from the Class of 1990, Eugene Fieldhammer, 1950, CE.



(l-r) Alice Fiedler, Dave Soldan, Dorothy Soldan

Carl Coonrod



(l-r) Hal Siegele, Ruth Ann Wefald, Mary Siegele



(l-r) Jon Wefald, Tom Barrett, Don Rathbone



(l-r) Don Rathbone, James Callen



(l-r) Charles Hostetter, Bruce Johnson



(l-r) Michael Harnett, Eugene Fieldhammer

## **DOE names five students** **Scholarships to K-Staters**

Five K-State engineering undergraduates are among the 20 students selected nationally at four-year institutions for the U.S. Department of Energy's environmental restoration and waste management scholarship program. Each award is worth more than \$10,000 and is renewable for a second year.

The students will work at DOE research facilities for three months next summer to gain hands-on experience in the treatment, storage, and disposal of chemical and nuclear wastes. The recipients are Robert Rainbolt Jr., senior in ChE; Cynthia Riemann, senior in IE; Paul Larson, junior in AgE; Donald

Hammond, senior in CE and Lynette Pither, junior in ChE.

K-State has two students who participated in the program this past summer and whose scholarships have been renewed. They are Mark Stedry and Brendan Ryan, both seniors in NE.

Responding to the fact that K-State clinched a fourth of the DOE-sponsored scholarships, Don Rathbone, dean of engineering, said, "We are very pleased that our students were successful. The College of Engineering has emphasized environmental studies for a number of years now, and these internships will be a big help to our program."

## **Ten new faculty positions**

The College of Engineering welcomes ten new faculty members to its various departments.

**Architectural Engineering and Construction Science** Steven D. Bell, instructor, holds a master's degree in construction management, and comes to K-State from the M.A. Mortenson Co., Inc., Minneapolis, Mn., where he was manager of preconstruction services.

Michael D. Bluhm, instructor, has an M.S. in CE from the Univ. of Kansas. He had previously been the director of civil/structural engineering for Martell and Assoc., P.A., K.C., Ks.

Sarah Lynn Schlageck, instructor, has a bachelor's degree in architecture from Kansas State Univ. and a B.S. in environmental design from Auburn Univ. She has previously been an instructor in both the College of Human Ecology and the College of Engineering at K-State.

**Civil Engineering** Mustaque Hossain, asst. professor, has a Ph.D. in CE from Arizona State Univ. Prior to accepting this position he had been an experimental project engineer for the Arizona Transportation Research Center.

Hani George Melhem, asst. professor, holds a Ph.D. in CE from the Univ.

of Pittsburgh. He had been a research asst. professor there before coming to K-State.

Robert W. Stokes, assoc. professor, has a Ph.D. in urban and regional science from Texas A&M Univ. Before accepting this new position he had been program manager for the Texas Transportation Institute.

**Industrial Engineering** Shing I Chang, asst. professor, received his Ph.D. in industrial and systems engineering from Ohio State Univ. He had been a research associate there since 1989.

**Mechanical Engineering** Kirby S. Chapman, asst. professor, has a Ph.D. from Purdue Univ. He had previously been a research and teaching assistant there.

Mohammad H. Hosni, asst. professor, earned his Ph.D. in ME from Mississippi State Univ. Prior to accepting this current position he had been a teaching associate and involved in post doctoral research in ME at Mississippi State.

**Engineering Extension** Pat McDonald, extension asst., has a bachelor's degree in ChE from K-State. Before taking this position he was employed by the EPA in Kansas City as a remedial project manager.

## **Golden Key** **honors Hileman**

Beth Hileman, senior in IE, has been selected as a national representative of 168 Golden Key Honor Society chapters. She was chosen after completing a nine-page application which included defining her goals, her position and how these goals would fit into her role as representative. After three finalists were named, Hileman was interviewed by previous and current representatives.

"I feel the reason she was selected," said Don Rathbone, dean of engineering, "is because she has done well academically and has been one of the leaders in the College of Engineering and at the university level." Rathbone, who wrote a letter of recommendation for Hileman, said she has strong people skills and relates well to others.

Golden Key is a student organization that recognizes and encourages scholastic achievement and excellence in all undergraduate fields of study. Membership is by invitation only and eligibility is limited to the top 15 percent of junior and senior students.

## **Fall enrollment** **'holds its own'**

Junior, senior and fifth year engineering student enrollment numbers are up; freshman and sophomore numbers are down.

"But overall, we're pretty much holding our own," according to John Dollar, asst. dean of the College of Engineering, while reporting only a 31-student decrease for the fall of 1991.

"In the face of a nationwide trend of enrollment declines in colleges of engineering," Dollar said, "I'd say we're doing very well."

The College enrolled 2,616 undergraduates this fall, with the three largest curriculums still being electrical engineering and computer engineering, architectural engineering and construction science, and mechanical engineering, respectively.

Campus wide enrollment numbers declined by 425 students from the fall of 1990.

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safety consultant engineer with Liberty Mutual, Irving, Tx. He plans to begin work on a master's degree in IE in the spring of 1992.

**Kirk E. Harris (EECE '89)**, Silver Springs, Md., is working for two major systems projects for the Joint Staff at the Pentagon. He is employed as a computer engineer for the newly named Defense Information Systems Agency.

**Luis Humberto Sosa (IE '89)** is an industrial engineer at Johnson & Johnson in Aquado, Puerto Rico. He is chairman of the Continuous Flow Manufacturing Task Force and a member of Corporate Analysis for Total Business Integration.

**Timothy M. Daeschner (ME '91)** is currently working for BASF, Chemicals Division, Freeport, Tx.

## DEATHS

**John Arwin Hoop (AgE '29)** died July 15, 1991. He was a retired farmer at Fowler, Ks., and is survived by one daughter.

**Keith L. Witt (ME '41)** died May 29, 1991, at his home in Prairie Village, Ks. He was a retired project engineer for the J.A. Tobin Construction Co. After serving as a glider pilot in World War II, Witt taught engineering one year at KSU and designed the air-conditioning system in the chapel on campus. He is survived by his wife Louise, two sons, three daughters, 11 grandchildren and a great-grandson.

**David G. White (AgE '54)**, Kingsdown, Ks., died June 29, 1991. He is survived by his wife Althea.

**Alvin Rodney Gottschalk (NE '59)** died June 27, 1991, in Sacramento, Ca. He is survived by his wife Paula. ~(EE '89, M.S. '91) has accepted an electrical/mechanical engineering position with Koch Industries Inc., Wichita, Ks. He and his wife Jana and two sons live in Andover, KS.

**Nels G. Anderson (ME '89)** and his wife Marita announce the birth of their first child, Kaleb Nels, June 17, 1991. Nels is a project engineer for Koch Refining Co., Corpus Christi, Tx.

## Jones named distinguished ASME lecturer

Dr. Byron Jones, director of the Institute for Environmental Research and ME professor, was one of 12 nationally that was selected for the American Society of Mechanical Engineers 1991-92 Distinguished Lecturers Program.

The program provides local sections of the ASME, and neighboring universities and colleges, with opportunities to hear from outstanding speakers at the leading edge of their technology. Jones' special area of emphasis is thermal engineering.

Since the program began in 1987, more than 150 ASME sections in 12 regions have hosted distinguished lecturers. Participants are selected annually by a program committee "to represent the broadest range of disciplines, specialities, interest and styles." They are chosen from an equitable distribution of academics, government and industry.



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