

IMPACT

Kansas State University College of Engineering

Vol. 27, Number 1 Winter 1992

Paslays create fourth engineering trust

LeRoy and Aileen Paslay, Manalapan, Fl., have created their fourth trust with the Kansas State University Foundation through a gift of \$450,000 to the Essential Edge Campaign.

The Paslays used stock to establish the trust that will pay lifetime income to the couple and eventually \$400,000 will underwrite the LeRoy C. and Aileen H. Paslay Engineering Endowment for improvements within the college. The remaining \$50,000 is an expendable fund to finance the Paslay Enrichment Program which directly benefits the faculty.

"LeRoy Paslay, as a professional engineer and KSU alumnus, has earned special distinction, and the ultimate compliment to his professional career is his extraordinary support of his alma mater," said Mark Moore, KSU Foundation vice president for capital campaigns and planned giving.

Moore said the Paslays have established four trusts with the Foundation, the university's fund raising arm, and their lifetime gifts are nearly \$3 million. A lecture hall in Durland Hall is named in their honor. Moore said the Paslay gifts have been inspired by the close 15-year relationship between

LeRoy Paslay and Donald Rathbone, dean of the College of Engineering.

"Undesignated funds will allow the administration of the college to target programs and projects that have special needs and to provide special benefits to the students, faculty and the state," Rathbone said. "The Paslays have been tremendous friends of the university and the college. We are forever indebted to them for their generosity."

LeRoy Paslay holds bachelor's and master's degrees in electrical engineering from KSU. He served on the faculty here, received an honorary doctorate from K-State in 1986 and received the College of Engineering Distinguished Service Award in 1983. He is a charter member of the college's Hall of Fame. Aileen Paslay is a graduate of the College of Human Ecology. They are members of the Joseph Denison Fellows donor group recognizing gifts of \$2 million or more.

Eby Construction gift



Martin K. Eby, Sr.

mechanics, hydrology, etc., and teaching civil engineering with an emphasis on the construction management aspects of constructability, economics, feasibility, etc."

The contribution is a part of Kansas State University's \$100 million Essential Edge Campaign to benefit the College of Engineering.

The Martin K. Eby Construction Co., Inc., Wichita, Ks., has given \$150,000 to provide a Distinguished Professorship in the College of Engineering. The gift will be paid in increments of \$30,000 a year for five consecutive years.

The professorship was established by the general contracting firm for "the purpose of teaching construction management with an emphasis on understanding the civil engineering aspects of soil mechanics, structures, fluid

Martin K. Eby, Sr. dead at 84

Martin K. Eby, Sr., founder of the Martin K. Eby Construction Co., Inc., died at his home in Wellington, Ks., Jan. 16, 1992. Mr. Eby was 84.

Eby graduated from Kansas State University in 1929 at the top of his class in civil engineering. He founded the company that bears his name in 1937 in Wichita, Ks. Initially operating

■ *continued on page 2*

Inside:

□ Engineering Open House

□ Special 'Career Fair' insert

Computer equipment to EECE

The Department of Electrical and Computer Engineering has received gifts of computer hardware and software worth more than \$405,000.

The two gifts, from Viewlogic Systems, Inc., Marlboro, Ma., and ISICAD, Inc., Anaheim, Ca., will expand classroom capabilities. The gifts support the \$100 million Essential Edge Campaign.

"These gifts illustrate the positive influence our faculty can have on private sector support," said Dave Soldan, head of EECE. "Professors John Devore and Dwight Gordon took the initiative, established corporate contacts and secured the gifts. This equipment enhances our ability to teach engineering design, one of our highest

priorities."

The \$276,000 Viewlogic gift includes software for seven work stations with multi-level design, simulation and implementation capabilities. The ISICAD gift, worth nearly \$130,000, is a set of graphics software packages which will benefit students throughout the College of Engineering.

Since 1985, EECE faculty have helped recruit more than \$2 million in gifts of equipment and software.

The Essential Edge Campaign has received gifts and commitments exceeding \$84 million. The College of Engineering, one of 11 projects in the five-year drive, has received nearly \$15.5 million of its \$18 million goal.

Eby firm widely known

■ *Continued from page 1*

out of his home, he began a tradition of excellence in construction that spanned six decades.

By the early 1950s Eby crews were travelling throughout the region completing projects in New Mexico, Oklahoma and Colorado as well as Kansas. Starting as a building contractor, Eby added heavy construction projects with the building of the Tuttle Creek Dam spillway near Manhattan, Ks.

Eby rapidly led his company into projects covering most the United States building army facilities, missile sites, locks, dams, navigational facilities, power plants, treatment plants, bridges, pipelines and a variety of buildings and industrial plants. Since its inception the company has completed projects totaling over three billion dollars. In Wichita, the company has constructed the Civic Center, Wichita Public Library, a major portion of HCA Wesley Medical Center, the Bank IV building, numerous projects for the local aircraft industry and many other significant projects.

Eby was widely respected throughout the construction industry for his dedication to high quality work, honesty and fair dealings with his clients, suppliers and subcontractors and employees. The company he founded is

the largest in Kansas and is listed among the largest construction companies in the nation. Eby, however, was more interested in being recognized as the best rather than the largest.

The firm remains headquartered in Wichita where Eby was renowned for his support of community efforts. In 1957 he began providing scholarships for Wichita students attending Kansas State University and scholarships for minority students. He was awarded the Kansas State University Centennial Award for Distinguished Service in 1963, the Kansas State University Alumni medallion in 1970, and was initiated into the Class of 1989 College of Engineering Hall of Fame.

In 1959 he received the "Lion of the Year" award from the Wichita Downtown Lions, and the Distinguished Service award in the Field of Human Relations from the National Conference of Christians and Jews. He served on the board of directors of the Foundation for Blind, the Kansas Society for Crippled Children, the First National Bank, KG&E, HCA Wesley Medical Center, the Young Women's Christian Association, the Sedgwick County United Fund, the Metropolitan Wichita Council and Friends University.

Scholer Concrete Conference

The 15th annual Scholer Concrete Conference was held Jan. 30 in the K-State Union. The theme of the conference, sponsored by the department of civil engineering and department of architectural engineering and construction science, was "Problem Concrete—New and Innovative Solutions."

The conference focused on presenting information that will improve the production, use and placement of quality concrete and concrete products. The program also included a problem-solving clinic that addressed problems encountered when using and placing concrete.

Charles H. Scholer, for whom the conference is named, former professor and head of the department of applied mechanics at K-State, was for many years an outstanding researcher, educator and consultant to the concrete industry.

Scholer was past president of the American Concrete Institute and the Kansas Engineering Society. He received the Distinguished Service Award of the Highway Research Board in 1948, the Award of Merit of the American Society of Testing Materials in 1960, the Turner and Wason Awards of the American Concrete Institute and in 1964 was named Kansas Engineer of the Year. The Scholer Materials Lab located in Durland Hall was dedicated in his honor in 1977.

In addition to Wichita, the Eby Company has area offices in Dallas/Fort Worth and Orlando.

In 1979 Eby retired from the company which is currently managed by his sons, Martin Eby, Jr. (KSU '56 CE) and Charles Eby (KSU '67 CE) and his son-in-law Jim Grier, III (KSU '60 CE).

He is survived by his wife Lillian, two sons, his daughter Carolyn Eby Grier (KSU '59 Bus.), eight grandchildren and eight great grandchildren.

Memorials have been established with First United Methodist Church, Wichita; the Salvation Army, Wichita; and Kansas State University College of Engineering. Memorial gifts designated for the College of Engineering may be sent to the KSU Foundation.

ENGINEERING EXPEDITION:

PRESERVING OUR PLANET

FEATURING:

- DEPARTMENT DISPLAYS
 - MULTI PROPULSION BOAT DESIGN AND OTHER HIGH SCHOOL COMPETITIONS
- (SEE YOUR INSTRUCTOR FOR DETAILS)

OPEN HOUSE 1992

APRIL 3&4



SCHEDULE

Friday, April 3, 1992

- Engineer's Open House Parade (Mid-Campus Drive) 12:00 noon
- Engineering Opening Ceremonies (Front steps of Seaton Hall)
 - Torch Runner Arrival. 12:10 p.m.
 - Presentation of Yellow Brick Award. . . 12:15 p.m.
 - Crowning of St. Pat and St. Patricia. . . 12:25 p.m.
- Engineering Awareness Seminar for High School Students (Paslay Lecture Hall, Durland Hall)
 - Registration. 1:30 p.m.
 - Seminar 2:00-4:00 p.m.
- Engineering Student Displays and Open House of Facilities (Durland, Seaton and Ward Halls). . . 5:30-9:00 p.m.
- Industrial Displays (Durland, Seaton and Ward Halls). . . 5:30-9:00 p.m.

Saturday*, April 4, 1992

- High School Design Contest Registration (Durland Hall Atrium) 8:00-9:00 a.m.
- Steel Ring Honorary Alumni Reception (Sunflower Room, K-State Union). . . . 9:00-10:00 a.m.
- High School Design Contest (Durland Hall, Paslay Lecture Hall) . . . 9:00-12:00 noon
- "Water Expedition"—boat design and race competition
- Engineering Student Displays and Open House of Facilities (Durland, Seaton and Ward Halls). . . . 9:00-4:00 p.m.
- Industrial Displays (Durland, Seaton and Ward Halls). . . . 9:00-4:00 p.m.
- Engineering Alumni Luncheon; limited seating (Ramada Inn—Rooms B and C). 12:00 noon
- Engineering Social Hour (Cats Pause, K-State Union). 5:00-6:15 p.m.
- 25th Annual Engineers' Open House Banquet . . . 6:30 p.m. (Main Ballroom, K-State Union; advance reservations only)

*Saturday is also "All University" Open House at KSU.

ENGINEERING OPEN HOUSE REGISTRATION FORM

Please make checks payable to the KSU Foundation. Deadline for reservations is March 23, 1992.

- I plan to attend the Engineering Alumni Luncheon on Saturday, April 4, 1992, and have enclosed my check for ___ tickets, at \$5.00 per person. (Contributors to scholarship funds and other funds and activities administered through the Dean's Office are invited as guests of the College of Engineering.)
- I plan to attend the Engineers' Open House Awards Banquet on Saturday, April 4, 1992, and have enclosed my check for ___ tickets, at \$9.50 per person.
- I will attend the social hour at the Cats Pause, K-State Union. Please reserve ___ places for me.

NAME _____

ADDRESS _____

PHONE _____

PLEASE RETURN THIS FORM TO:

Donald E. Rathbone
 Dean of Engineering
 142 Durland Hall
 Kansas State University
 Manhattan, KS 66506-5104



Architectural rendition of main entrance

K-State-Salina campus dedication

About 200 dignitaries, faculty and students attended the K-State-Salina campus dedication ceremony Oct. 28. A portion of the new campus entrance was unveiled during the ceremony.

The College of Technology became K-State's tenth college last May when a bill was signed by Governor Joan Finney merging the former Kansas College of Technology with Kansas State University.

The merger calls for phasing out the mechanical and electrical engineering technology programs on the Manhattan campus and phasing them

into the Salina Campus over the next four years. Once the merger is complete, the College of Technology will offer both two-year and four-year mechanical and electrical engineering programs as well as a variety of other two-year engineering technology programs.

Campus construction is expected to be complete in 1994 and will include not only the new campus entrance, but a new student center, residence hall, an addition to the technology and aero centers and parking road improvements.

Symposium here in 1994

The College of Engineering at Kansas State University has been selected as the site of the 26th annual North American Power Symposium to be held in 1994.

The purpose of the symposium is to stimulate advanced scholarly work and research in the field of electric power engineering. This symposium is a forum in which advanced students, their academic advisers and practicing engineers can present the results of their work, discuss the activities of their colleagues and publish their technical accomplishments with a minimum time delay.

"We are one of the stronger programs in this region and the symposium is a wonderful opportunity to showcase our activity in the electric

power area," said Anil Pahwa, professor of EECE and co-chair of the symposium.

Medhat M. Morcos, professor of EECE and co-chair, said the conference traditionally attracts participants from universities throughout the United States and Canada. Attendees will be able to view the electric power program and engineering facilities at K-State.

Originally, as an activity of the Power Engineering Education Committee of the Institute of Electrical and Electronics Engineers, the symposium was initiated by a group of power engineering faculty from Midwestern universities affiliated with the American Power Conference. Today the symposium attracts world-wide participation.

Smith addresses Tau Beta Pi

Tau Beta Pi, Kansas Gamma Chapter, held its Fall Initiation Banquet Dec. 9 in the K-State Union. Distinguished lecturer was Donald O. Smith, Chairman and CEO of Energy Masters Corporation, Overland Park, Ks.

Smith received both his Industrial Engineering degree and his Business Administration degree from KSU in 1958. He was a member of the Tau Kappa Epsilon fraternity, Blue Key, Steel Ring and Sigma Tau (now merged with Tau Beta Pi) while attending K-State.

He and his wife Katherine (P.E. 1959) are members of the Presidents Club and reside in Shawnee Mission, Ks.

Grant awarded for RR study

Two K-State professors have received a research grant for their study of the fundamental restructuring currently taking place in the railroad industry.

Gene Russell, civil engineering, and Michael W. Babcock, economics, received \$92,220 for their research entitled "State Short Line Railroads and the Rural Economy." The principal objective is to determine if short line railroads are a viable alternative to railroad abandonment in rural areas.

Russell and Babcock will assess strengths and weaknesses of short lines and ultimately obtain a profile of successful railroads. They will also provide states in the Central Plains region with information to develop policy and operating procedures with respect to state assistance to short line railroads.

They will interview shippers located on rural short line railroads as well as short line executives and members of the financial community who specialize in short line railroad acquisitions.

Sponsors of the project are the Midwest Transportation Center at Iowa State Univ., the Kansas Department of Transportation, the Kansas Wheat Commission and K-State.

Engineering Career Fair - 1991



highlight day's activities



Make plans now to join us in '92



Is your company / organization represented? If not, and you would like your company involved in 1992, please inform your personnel department. We would like to have you attend.

For Career Fair information, contact:

Barbara Finnegan
Engineering Career Fair
144 Durland Hall
Kansas State University
Manhattan, KS 66506-5108

1991 KSU Engineering Career Fair Participants

3549th U.S. Air Force Squadron
AT&T and Sandia National Labs
Air Force ROTC
Amoco Production Company
Andersen Consulting
B&V Waste Science and Technology
BASF Corporation
Boeing Company
Cargill Poultry Products Division
Cargill, Inc.
Central Intelligence Agency
Cessna Aircraft Company
City of Wichita
Conoco, Inc.
Diamond Shamrock
Didde Webb Press
Dow Chemical, USA
Dow Corning Corp.
Eveready Battery Co.

Exxon Co. U.S.A.
FMC Corporation
Federal Aviation Administration
Federal Highway Administration
General Motors / CPC Fairfax
Halliburton Services
Hallmark Cards, Inc.
KPL Gas Service Company
Kansas City Power & Light Company
Kansas Department of Transportation
Koch Industries, Inc.
Marley Cooling Tower Co.
Midwest Research Institute
Missouri Highway & Transportation
Mobil Oil Corporation
NCR - CETC / NCR - PPD
National Starch and Chemical Co.

Nebraska Department of Roads
Olin Corporation
Omaha Public Power District
Peace Corps
Pepsi - Cola Company
Phillips Petroleum Company
Purina Mills, Inc.
Ralston Purina Company
Southwestern Bell Corporation
Texaco Refining & Marketing, Inc.
Texas Eastman Company
The Procter and Gamble Mfg. Co.
U.S. Environmental Protection
U.S. Navy Engg. Officer Program
United Telephone System - Midwest Group
University of Missouri Grad. School
Vulcan Chemicals
Williams Natural Gas Company
Woodward - Clyde Consultants

KG&E endows engineering scholarship

Kansas Gas and Electric Company, Wichita, Ks., has created an endowed scholarship with the KSU Foundation. The gift supports K-State's \$100 million Essential Edge Campaign.

The scholarship will be awarded to students enrolled in nuclear engineering. Investment income will provide

Site operators meet at KSU for EV study

The Department of Energy held its Site Operator Kick-Off meeting at Kansas State University, Oct. 2. The 11 national managers of the Site Operators Program, who oversee the testing, evaluation, and demonstration of the latest in electric vehicle technology, met in Manhattan to outline program goals and objectives.

Jim Hague, assoc. professor in ET, and director of K-State's electric and hybrid vehicle site operator's program, was pleased to have the university chosen to host the first meeting. He said the selection was due in part to the university's central location, but added that of the 30 proposals submitted to DOE to be national operator sites, Kansas State was picked first.

DOE, Hague explained, in implementing a congressionally mandated energy policy, is responsible for development of electric vehicle application in the U.S. In selecting the 11 operator sites to receive federal funding towards this goal, four universities and seven utility corporations were chosen. The second Site Operator meeting was held in December at the Univ. of Southern Florida.

Total funding for the five-year project at KSU is \$1.25 million. This includes support from the ICE Corp. of Manhattan, Hancock Electric of Lyons and KEURP, a consortium of six Kansas utility companies, one of which is KP&L.

annual awards, and the KSU Foundation will manage the endowment.

"K-State produces superior graduates in the field of nuclear engineering," said John Bailey, vice president of operations for Wolf Creek Nuclear Operating Corp. "KG&E's support to the Department of Nuclear Engineering will help ensure us that we will get top notch employees from K-State." Bailey is a 1972 K-State engineering graduate.

Wolf Creek Nuclear Operating Corp., Burlington, Ks., is a subsidiary of Kansas Gas and Electric. Wolf Creek, the state's only nuclear gener-

ating plant, employs nearly 90 K-State graduates.

"Support from companies such as KG&E allows K-State to strengthen its programs and benefits students who need financial support," said N. Dean Eckhoff, head of K-State's nuclear engineering program.

The Essential Edge Campaign is the largest campaign in K-State history and has received more than \$90 million through gifts and pledges. The campaign benefits 11 projects, including the eight academic colleges, intercollegiate athletics, a new art museum and University Libraries.



Teamwork for engineering projects

Bedford Magnus, constituent development officer, left, consults with Scott Scrogin, special assistant in fund raising and project management, right. The two work closely with Dean Rathbone on projects relating to the development of the College of Engineering.