

IMPACT

Kansas State University College of Engineering

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Goodyear Named 'Company of the Year'

The College of Engineering honored the Goodyear Tire and Rubber Company as its "Company of the Year" during activities and ceremonies Dec. 8.

This award, sponsored by Tau Beta Pi Engineering Honorary, has been presented annually since 1975 in recognition of companies committed to higher education, the engineering profession and support of the KSU College of Engineering.

Goodyear, based in Akron, Oh., is the world's largest producer of tires and also manufactures and sells a broad range of rubber, chemical and plastic products for the transportation industry and other industrial and consumer markets.

Tau Beta Pi also selects a "Man of the Year" from the honored company, in recognition of that person's "high standards and quality performance in the engineering field." The 1988 designee was Tom H. Barrett, president and chief executive officer of Goodyear.

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Tom Barrett receives the "Man of the Year" award from Kim Warner (Sr. IE), hostess and organizing committee member of Tau Beta Pi. Barrett, Pres. and CEO of Goodyear Tire and Rubber Co., also accepted "Company of the Year" honors at an evening banquet, Dec. 8, at KSU.

KSU Chosen for EPA Research Center

The U.S. Environmental Protection Agency announced Feb. 9 that Kansas State University would be one of five research centers across the nation funded to conduct research into hazardous substances, finding methods to minimize the production of hazardous wastes and better ways to manage those unavoidably produced.

The purpose of the research center, as detailed by EPA, will be the performing of "long-term and short-term research relating to key hazardous substance problems in the geographic area served by the center."

According to Larry Erickson, professor of chemical engineering at K-State and director of the center, the region's primary problems are related to mining, metal wastes, wood treating wastes and pesticides, particu-

larly those applied in large quantities as in agricultural practices.

A major secondary mission for the center, as specified by EPA, will be the dissemination of information developed by the center through training programs and various forms of media. The target of this information is to be people in industry who "manufacture, use, transport, or dispose of hazardous substances" and the public at large.

Kansas State, in its research center role, will form a consortium with six other institutions—University of Utah, Montana State University, University of Montana, University of Nebraska, University of Missouri and University of Iowa—and research done at these places will serve the 10 states of the EPA's Regions 7 and 8: Kansas, Mis-

souri, Iowa, Nebraska, South Dakota, North Dakota, Wyoming, Montana, Utah and Colorado.

Researchers from the Kansas State Department of Chemical Engineering who will be involved in projects the first year include L.T. Fan, Larry Glasgow, Walter Walawender, and John Schlup, as well as Erickson.

Projects proposed for the first year include studies of stabilizing hazardous wastes, developing biodegradation technology and waste adsorption by soil.

Because the EPA was looking for "institutions with significant research and training programs in areas relating to hazardous substances," Erickson speculated that one

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Lectures, Tour, Banquet Highlight Busy Day

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Barrett joined Goodyear as a trainee at the Topeka tire plant in 1953 after completing his degree in chemical engineering at K-State. After serving in a variety of management positions in the company's U.S. tire plants, he was named production director of the manufacturing and development complex in Luxembourg in 1973, president and chief operating officer in Dec. 1982, and CEO on Jan. 1, 1989.

Activities of the day Barrett participated in included delivering class lectures, touring the engineering facilities and attending the evening banquet where plaques and certificates were presented in commemoration of the event. He also delivered an address at the banquet.



(Above)
Speaking to an engineering class in the Paslay Lecture Hall was part of the day's activities for Barrett.



(Left)
Bob, left, and Tom, center, Burnett, local Goodyear retailers, greet Barrett.

(Below)
Jon Wefald, KSU Pres., left; Tom Barrett, Pres. and CEO, Goodyear, center; and Donald Rathbone, Dean of College of Engr., left.



KSU Engineering Open House

Friday, March 31, 1989

Engineer's Open House Parade (Mid-Campus Drive)	12:00 noon
Engineering Opening Ceremonies (Front steps of Seaton Hall)	12:20 p.m.
Torch Runner Arrival	12:20 p.m.
Presentation of Yellow Brick Award	12:25 p.m.
Crowning of St. Pat and Patricia	12:30 p.m.
Engineering Awareness Seminar for High School Students (Paslay Lecture Hall, Durland Hall)	1:30 p.m.
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 1, 1989

High School Design Contest Registration, (Durland Hall Atrium)	8:00-9:00 a.m.
High School Design Contest, (Durland Hall Atrium)	9:00-12:00 noon
Mouse Trap "Wildcat Drag" Contest	
Willie Wildcat's "Paper Tower Design" Contest	
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.
22nd Annual Engineers' Open House Banquet (K-State Union; Main Ballroom; early reservation only)	6:30 p.m.

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

Schedule Set for 67th Annual Engineering Open House

The College of Engineering is planning an alumni luncheon for noon Saturday at the University Inn. A social hour will begin at 5:30 p.m. at the University Inn, followed by the awards banquet at 6:30 p.m. in the K-State Union Ballroom. Please fill out the form below if you plan to attend.

"Engineering: Applied Ingenuity" is the theme for the 67th annual KSU Engineering Open House. The event is scheduled for March 31-April 1, in conjunction with the all-University Open House. Engineering displays will be open from 5:30 to 9 p.m., Friday, March 31, and 9 a.m. to 4 p.m. Saturday, April 1.

PLEASE RETURN THIS FORM TO:

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

ENGINEERS' OPEN HOUSE
ALUMNI RESERVATION FORM
Please make checks payable to the KSU Foundation

- () I plan to attend the Engineering Alumni Luncheon on Saturday, April 1, 1989, and have enclosed my check for _____ tickets. (\$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 1, 1989, and have enclosed my check for _____ tickets. (\$9.50 per person)
- () I will attend the social hour at the University Inn. Please reserve _____ places for me.

NAME _____

ADDRESS _____

PHONE _____ DATE _____



Members of the KEC Board of Directors, seated left to right: Art Loub, Pres. KSU Foundation; Marcie Wood, Southwestern Bell, Mgr. of Public Affairs for NE Ks.; Mike Conduff, Manhattan City Mgr.; John Walters, Pres. and CEO of KEC; Donald Rathbone, Dean of KSU College of Engr. and Chrm. of the Board; Wilton Thomas, Riley Co. Comm.; Bill Muir, Dir. of Econ. Development, KSU/KSU Foundation; and Bill Boyd, Pres. Manhattan Chamber of Commerce. Not pictured: new member, Robert Rawson, Pott. Co. Comm.

Research, Small Business Linked Through KEC

The goal—pulling together university research and small business development. The result—the formation of the Kansas Entrepreneurial Center (KEC).

The non-profit corporation was formed in Aug. 1988 and is housed in the Southwestern Bell building at 1640 Fairchild Ave.

President and Chief Executive Officer John Walters, a K-State graduate in electrical engineering, said the center had long been the "brain child" of KSU Dean of Engineering, Donald Rathbone. Walters, having spent many years of his career in the business and marketing field, and being aware of the success rate of such centers, coupled with his desire to return to the Manhattan area, had been in contact with Rathbone about the project. In the fall of '87 he was asked to come to Manhattan and do an analysis of the possibility of establishing a center here.

"By June of '88," Walters said, "we saw that it could fly," and then the tasks of garnering support, locating space, putting together a board of directors, etc., began.

The original group in this public-private partnership included the City of Manhattan, Riley and Pottawatomie Counties, Manhattan Chamber of Commerce, Kansas State University, KSU College of Engineering and KSU Foundation.

Their goal of stimulating economic development in the community by providing a link between research capability at the university and the needs of private business enterprise has now been joined by the other supporting organizations of Kansas Farm Bureau, KPL Gas Service, KSU Center for Research in Computer Controlled Automation, Southwestern Bell, KSU Small Business Development Center and North Supply Company.

A location close to the university being preferred, Walters had been in contact with Southwestern Bell and received an initial three-year commitment for the rental of unused space in their facility just south of the KSU campus.

The Center provides space to start-up companies for offices, research and development and light manufacturing. A number of shared services are provided to improve a company's probability of success through reduced costs. Some of these services include: office support that can handle receptionist duties, telephone calls, typing and mail; reasonable charges for monthly rent which includes copy machine, conference room and telephone system; access to local business leaders for support and services and contact with technical and business consultants at K-State.

KEC has two tenants now and expects to have two more in February. Walters said in the future they hope to house 12-15 companies as Southwestern Bell has additional space available for development on the main floor of the building.

Persons interested in the KEC program must submit an application along with a draft or outline of their business plan. Walters does most of the analysis and review of applications based on such criteria as product and business concept; marketability; and growth potential and attractiveness to investors. Southwestern Bell must approve what type of businesses go into their building and the board of directors gives the final approval.

With four out five new small companies failing in the first five years in this country now, Walters said his research found that these numbers drop significantly when the companies are involved in an "incubator" process such as KEC now provides, the difference being the alleviation of such problems as lack of support services and potential access to capital.

Walters said the average length of stay for a small business should be one and one half to two years, with the KEC also helping them to get established on their own in the area. Plans for an advisory council to aide in this task are underway.

Engineering Tech Head Retires

Engineering professor John C. Lindholm retired effective Jan. 3, 1989, after 28 years at Kansas State University. His position at retirement, head of the department of engineering technology, was one he had held since 1980.

Lindholm joined the engineering faculty at KSU in 1960, having previously taught at both KU and Purdue. He received his bachelor's degree (ME) from K-State in 1949, his master's (ME) from KU in 1956 and his Ph.D. from Purdue in 1961.

Recipient of the Fulbright Grant in 1987, Lindholm completed a year's teaching assignment at the University of the South Pacific in Suva, Fiji, also doing further study in

Australia and New Zealand before returning to the U.S. in Aug. 1988.

An active member of the American Society of Mechanical Engineers, he served as both a regional officer and on the national council. In 1985 he visited China as a part of the official delegation of ASME.

Lindholm garnered many honors during his teaching career including the Ford Foundation Fellowship and the National Science Foundation Science Faculty Fellowship for Ph.D. Study. He has been listed in various "Who's Who" including "... in Education," "... in Engineering," and "... in Technology Today."



John Lindholm

Two Named to Advisory Council

Two engineering professionals—Joseph L. Downey and Rhea Serpan—have joined the Kansas State University College of Engineering Advisory Council. Downey is the president and CEO of DOW Consumer Products, Inc., Indianapolis, Ind., and Serpan is vice-president for the western region of AT&T, Oakland, Ca. They are the newest members of the 20-member board which provides liaison with industry, scientific organizations and other universities.



Joseph Downey



Rhea Serpan

Retired Professor Lipper Dies

Former K-State professor of agricultural engineering, Ralph I. Lipper, died Dec. 31, 1988 in Portland, Ore., of pneumonia. He had retired in 1983 after a 36-year career with the university.

Lipper earned bachelor's and master's degrees at Kansas State in agricultural engineering, in 1941 and 1950, respectively, and was named an assistant professor in 1946.

He was selected as "Engineer of the Year" in 1982 by the Kansas section of the American Society of Agricultural Engineers, and as a member of this group served on a number of national and regional committees.

In 1983 the department of agricultural engineering and the KSU Foundation established the Ralph I. Lipper Scholarship Fund for students in the agricultural mechanization curriculum. Memorials may be given to this fund.

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factor in K-State's being chosen was the university's Office of Hazardous Waste Research in the College of Engineering.

Opened in 1985 under the initiative of former state senator Merrill Werts, the College of Engineering's dean, Don Rathbone, and Fan, head of the chemical engineering department, the office has been involved in conducting research and holding hazardous waste conferences.

Kansas State University can be expected to derive a number of benefits from taking the lead in the research center. Besides giving the university "national visibility" in hazardous substance research, Erickson said the center's contract will bring \$1 million to KSU annually for three years. Though the majority of the funding will be passed along to support research in the other member institutions of the consortium, about \$300,000 will stay at K-State.

Former KSU Professor Dies

Lynn Edward Bussey, former K-State engineering professor, died Jan. 28, in Manhattan. He joined the KSU industrial engineering faculty in 1971, retiring in 1977.

He was a member of several honorary and professional organizations including the American Society of Mechanical Engineering, American Institute of Industrial Engineering and the American Society of Engineering Education. He was a registered professional engineer and a member of Tau Beta Pi and Alpha Pi Mu engineering societies.

The Industrial Engineering Department at KSU has been designated as a memorial contribution choice by the family.