

IMPACT

Kansas State University College of Engineering

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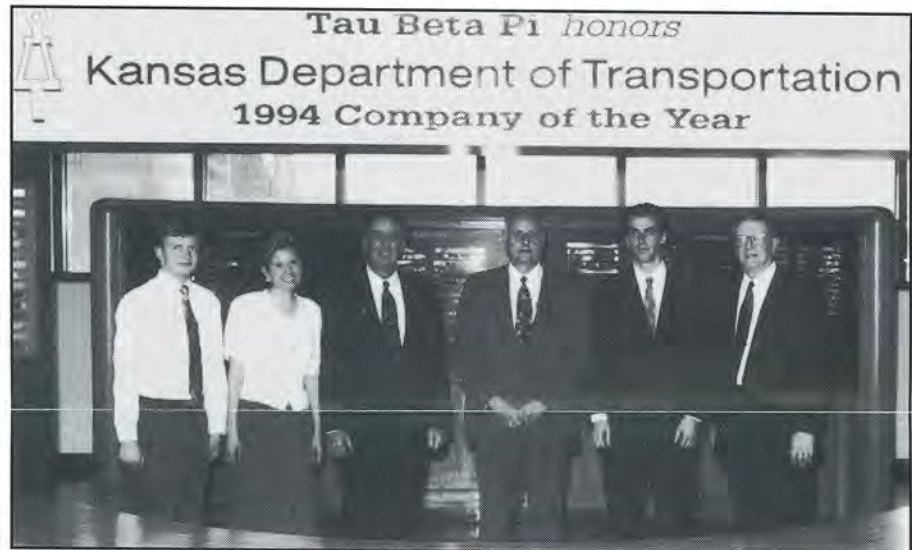
Spring 1994

KDOT named '93-'94 'Company of the Year'

The Kansas Department of Transportation was named "Company of the Year" by the College of Engineering. This is the first time a governmental agency has been selected for the annual award, according to Donald E. Rathbone, dean of engineering.

"This honor is given to outstanding companies in the engineering profession," Rathbone said. "For 77 years the Kansas Department of Transportation has worked to provide a statewide transportation system to meet the needs of Kansas by designing and constructing a high-quality and efficient transportation system."

The department, which employs about 3,300 Kansans, is in the midst of
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Tau Beta Pi members Brian Grell, Michelle Munson, left, and Martin Riedel, second from right, join Dean Don Rathbone, right, in greeting KDOT representatives Mike Lackey and Jim Jones, center left and right.

Bennett named engineering Alumni Fellow

Kansas State University has named a Trans-Alaska Pipeline Project engineer as the 1994 Alumni Fellow of the



Norman R. Bennett

College of Engineering. Norman R. Bennett, vice president and manager of engineering and operations services with ARCO Transportation Alaska, Inc., was on campus April 15 and delivered

the public lecture, "What Does Success Look Like?"

Bennett earned an undergraduate

degree from KSU in ME in 1958 and completed postgraduate work at the

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Department gets name change

Biological and agricultural engineering is the new name of the former department of agricultural engineering in the KSU College of Engineering.

The name change was granted formal approval by the Kansas Board of Regents in March. Included in the approval was also a revised curriculum for the department, incorporating additional biology-related courses.

Three goals were met in instituting the name change: to reflect an engineering discipline dealing with society's needs in the areas of food supply, energy production and the environment; to better reflect the scope of the existing agricultural engineering program; and to attract more students from urban as well as rural areas.

KDOT named 'Company of the Year'



KDOT's Mike Lackey exchanges comments with a class during his day on campus to receive 'Company of the Year' honors.

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the Kansas Comprehensive Highway Program. KDOT officials call this the largest and most ambitious highway improvement program in the history of the state.

KDOT executives were on campus April 18 to accept awards and to participate in a day-long program sponsored by Tau Beta Pi engineering student honorary. Kansas Secretary of Transportation Michael Johnston was the keynote speaker at an evening banquet in the Union.

Also on campus representing KDOT were Mike Lackey, assistant secretary and state transportation engineer, and Jim Jones, director of division of operations. Lackey holds two civil engineering degrees from K-State. Both he and Jones spent the day lecturing to engineering classes, meeting with students and touring College of Engineering facilities.



Kansas Secretary of Transportation Michael Johnston delivers the keynote address at the Tau Beta Pi banquet. He and Mike Lackey were named 'Men of the Year.'

Bennett named '94 Alumni Fellow

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University of Alaska. He began his career in 1958 as a junior engineer with Sinclair Pipe Line Co. He later held positions as intermediate engineer, senior engineer and project engineer with the company. In 1970 he became a surveying supervisor with Alyeska, and later held positions as an engineering supervisor, senior project engineer, resident engineer and project manager on the Trans-Alaska Pipeline Project.

In 1977 he returned to ARCO Pipe Line Co., where he has held several positions. Between 1977 and 1983, he was project manager of the Gulf of Alaska Rachael Prospect feasibility study, Breton Sound Offshore Pipeline, Texas City Marine Terminal and other facilities.

From 1988-1993 he was an active member of the American Petroleum Institute's design and construction committee. He is now a member of the

work group of the International Standards Organization that is developing pipeline standards.

Lakin chosen as WISE scholar

Todd Lakin, junior in IE from Junction City, has been accepted into the Washington Internships for Students of Engineering (WISE) program for the summer of 1994.

He will be sponsored by and work with the National Society of Professional Engineers. Todd was one of 12 students to be selected from 172 applicants across the country—the largest applicant pool to date in the 15-year history of the program.

K-State's College of Engineering

has had at least one student chosen for the program every year for the last ten years. Applicants, while expected to have good grades, must also demonstrate leadership in campus activities and be interested in public policy.

WISE introduces students to Washington, D.C., and the technical public policy issues debated there. The ten-week internship includes travel costs and a stipend for living expenses.

CE practitioner visits college

The department of civil engineering at KSU was chosen as one of 14 universities to participate in the fourth year of the Practitioner in Residence Program sponsored by the American Society of Civil Engineers.

Objectives of the Practitioner in Residence Program are to help expose CE students to the knowledge and insights of senior practitioners and acquaint practitioners with the environment of contemporary civil engineering education.

Donald Dupies, who serves as pres-

ident of the Great Lakes division of the HNTB Corp., was on campus April 3-9. Dupies, who earned his B.S. in CE from Marquette Univ., is responsible for the firm's activities in Illinois, Indiana, Kentucky, Michigan, Minnesota, North Dakota, Ohio, South Dakota, Tennessee and Wisconsin, including direct involvement in all phases of engineering, architecture and planning.

While visiting K-State, Dupies met with the department of civil engineering, attended organized social events

with the students, presented various seminars and met with several college administrators. He was also the speaker at the ASCE joint meeting between K-State and the Univ. of Kansas. In addition, he attended the College of Engineering Open House on Friday evening, April 8.

Stuart Swartz, head of the dept. of CE, said this is a positive program to let students meet top corporate representatives who express their expectations of the industry and civil engineering activities.

ASHRAE awards grants to two students

Two KSU students have been awarded \$2,500 American Society of Heating, Refrigeration and Air Conditioning Engineers Undergraduate Grant-in-Aid scholarships.

Brian Uhrich, senior in ARE, Olathe, was the recommended recipient of the Life Members' Club Grant-in-Aid recognizing the top-ranked undergraduate of those who applied nationally. Uhrich will assist with the design of a lab in the department of ar-

chitectural engineering. He serves as vice president for the National Society for Architectural Engineering, is a member of ASHRAE, and is a volunteer for Habitat for Humanity.

"This scholarship provides encouragement for undergraduates to explore and research topics in their major," said Steve Moser, ASHRAE faculty advisor.

Maycel Stark, senior in ME, Wamego, completed his research on

thermal ice storage in churches or other similar buildings. Stark is a member of ASME and ASHRAE.

Both students were selected for scholastic achievement and pursuit of their projects. Uhrich and Stark were chosen along with students from the Univ. of Missouri-Rolla, Iowa State University and the University of Akron.

Waters joins engineering extension

Jean S. Waters has joined the staff of engineering extension, a department of the College of Engineering, and will work as the air toxics specialist. Engineering extension offers technical assistance programs focused on energy and the environment to home and business owners and industry in Kansas.

Waters has been an independent consultant, taught at Penn State Univ., and worked as a process engineer at Beech Aircraft and a plant chemist at

Koch Fiberglass, both in Wichita.

She holds a bachelor's degree in food engineering technology and a master's in ChE, both from K-State.

Her primary role in her new position will be to help with the Small Business Assistance Program, a state initiative to help businesses implement the Clean Air Act of 1990. Waters will provide direct technical assistance to small businesses concerning air emissions, permit requirements and pollution prevention.

Wanted: Nominees for Hall of Fame

Nominations are being accepted for those to be named to the Engineering Hall of Fame Class of 1994. This year's initiation ceremony and banquet will be held on Oct. 7, 1994.

Eligibility is limited to engineering graduates from Kansas State University with one exception permitted each year. A minimum of 20 years professional experience is required and the following four criteria taken into account: success in chosen career, active involvement in and support of the College of Engineering, active involvement in and support of KSU, and professional public service.

Deadline for nominations is June 15, 1994. These should be sent to: Hall of Fame; College of Engineering; 146 Durland Hall; KSU; Manhattan, Kan. 66506-5104.



A fascinated audience gathers to watch robots battle to dominate the circle in this display sponsored by computer engineering and computer science students.



Chemical engineering students parade their way to the Outstanding Department Award with their allusion to one of the ancient chemical processes.

Open Ho

Engineering Evolu

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Open House award winners

Yellow Brick—Architectural Engineering and Chemical Engineering (tie)

Outstanding Department—Chemical Engineering

Open Class—Construction Science

Freshman/Sophomore Class—Construction Science

Limited Class—Architectural Engineering

Curriculum Display—Chemical Engineering

Technical Presentation Award—Agricultural Engineering

Graduate Award—Marco A. Vela Reyes, Agricultural Engineering

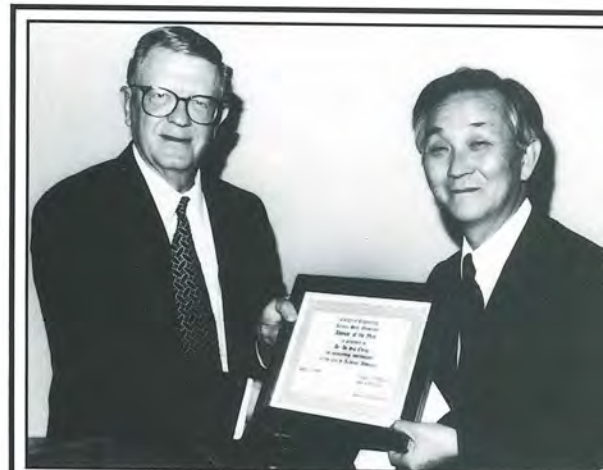
St. Pat—Marcus Scarbrough, senior in electrical engineering

St. Patricia—Amy Rathgeber, senior in mechanical engineering

W. Leroy Culbertson Steel Ring Leadership Award

Brian Grelk, senior in nuclear engineering

Advisor of the Year—Do Sup Chung, agricultural engineering



Advisor of the Year

During Open House activities, Dean Don Rathgeber honors Do Sup Chung, professor in agricultural engineering, as the Advisor of the Year.

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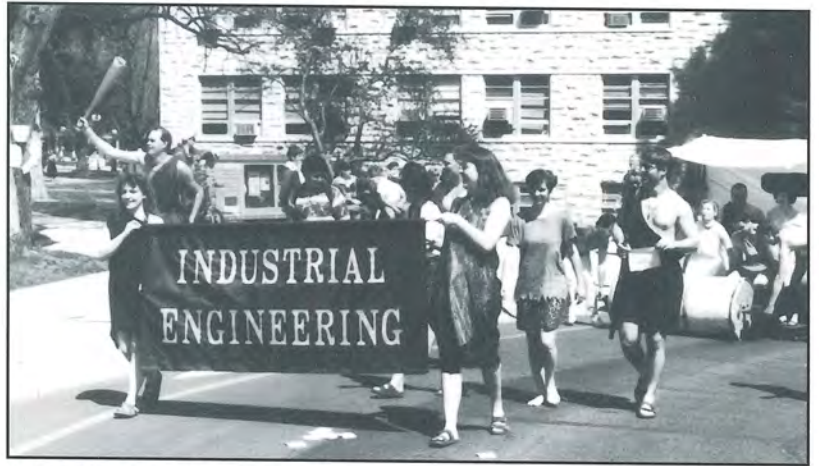
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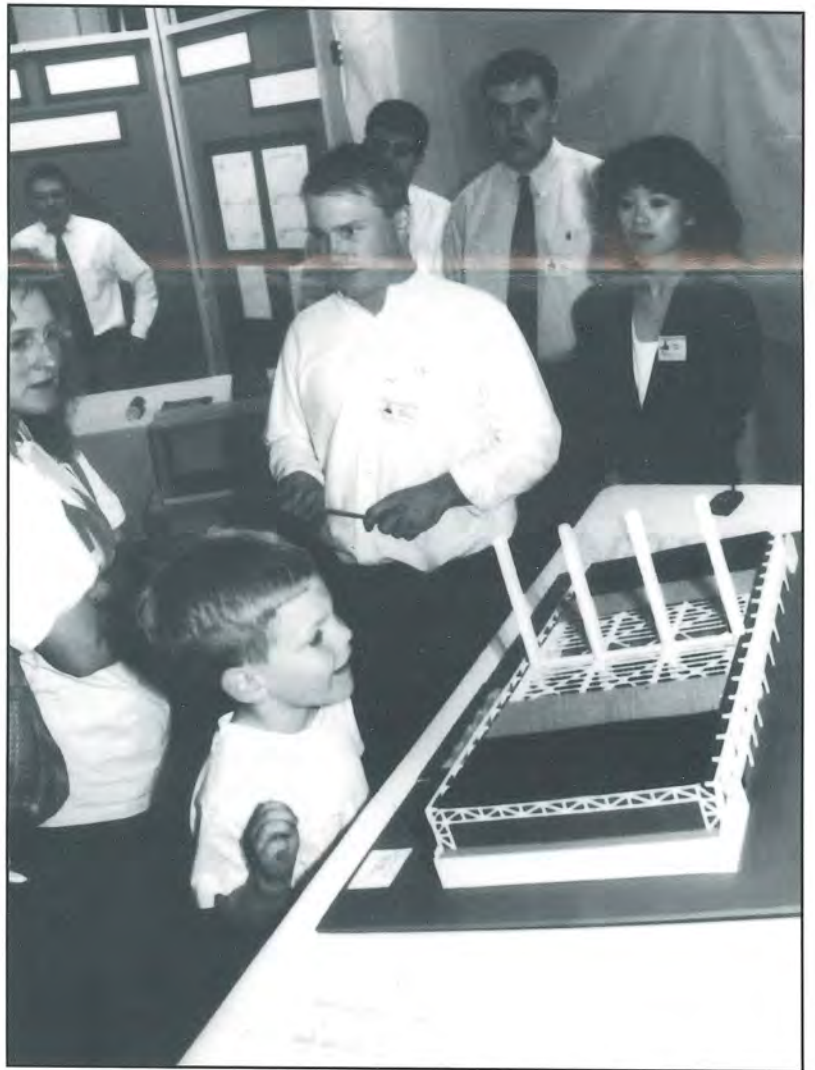
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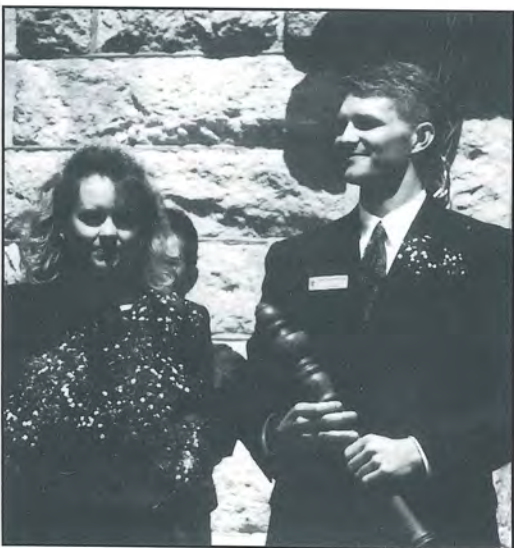
Mechanical engineering students' robotic monkeys are a real 'crowd pleaser.'



Industrial engineering students show the progress from prehistoric to modern with the contrast between their "Flintstones"-style vehicle and a modern pickup truck.



This young Open House guest is captivated by a construction science model of the Bartle Hall expansion.



Amy Rathgeber and Marcus Scarbrough receive their honors as St. Patricia and St. Pat.

Reddi wins teaching award

Lakshmi Reddi, professor of civil engineering, has received the Chi Epsilon Excellence in Teaching Award.

As a winner of the local and regional awards, Reddi is eligible to compete at the national level for the James Robbins Excellence in Teaching Award provided by Chi Epsilon, a national civil engineering honorary. In addition, Reddi was nominated for the Hollis Teaching Award in the College of Engineering for two consecutive years in 1993 and 1994.

Reddi, who has been at KSU since 1992, teaches foundation design, environmental geotechnology and soil mechanics.

"I enjoy the subject and interacting with the students," Reddi said. "As a

teacher, I want to distract the students away from the exams. Students' minds are too occupied these days with the letter grades rather than with the subject. Good grades automatically follow once we concentrate on the subject."

In addition, Reddi said students' knowledge of subject matter would be a measure of his teaching skill.

"I want to shape their minds for the first time in my subject. I take pride in that," Reddi said.

Prior to coming to K-State, Reddi taught at Stevens Institute of Technology in Hoboken, N.J. He received his bachelor's degree in India and his master's degree and doctorate from Ohio State University.

Alumni Directory

A directory of alumni of the KSU College of Engineering will be published in 1995 by the Harris Publishing Company, Inc. of White Plains, N.Y. With permission, an individual's name will be listed in four sections: biographical, specialty, geographical and class year.

Harris will contact alumni by phone to determine interest and obtain permission. Directories are expected to cost \$55 to \$60 plus shipping and handling. Steps will be taken to ensure that directory information is not released outside the K-State community. The last K-State Engineering directory was published in 1986.



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