

IMPACT

Kansas State University College of Engineering

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Tau Beta Pi honors Procter & Gamble

Procter & Gamble was named 1990 Company of the Year by Tau Beta Pi Engineering Honorary during ceremonies April 30. Two employees of the company, Laree Mugler and Richard M. Glover, respectively, were named Woman of the Year and Man of the Year.

Tau Beta Pi and the College of Engineering have presented such awards annually since 1975 in recognition of companies committed to higher education, the engineering profession and support of the KSU College of Engineering. Man and/or Woman of the Year are selected from the honored company in recognition of "high standards and quality performance in the engineering field."

Procter & Gamble was founded in Cincinnati, Oh., in 1837 and has grown to become one of the 25 largest industrial companies in the U.S. It operates 61 plants in 26 states, has plants in 46 foreign countries and employs nearly 80,000 people worldwide.

Laree Mugler is a 1972 K-State graduate in mechanical engineering. She began her Procter & Gamble career as a technical engineer at the Kansas City Soap Plant. She became a department manager in 1975 and in 1977 became milled soap manager. She transferred to Lima, Oh., in 1980 and was promoted to plant manager in 1983. In 1985 she transferred to Jackson as plant manager. Mugler is a commissioner of the Jackson Housing Authority, a member of the KSU Engineering Advisory Council and the Union University School of Business Leadership Council.

Richard M. Glover, Procter & Gamble's Vice President, Product Supply, Engineering, a position he's held since 1988, began his career with the company in 1963. Through the years he has served as supervisor, department man-

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(l-r) Jack Kennon, Procter & Gamble, Don Rathbone, dean of the College of Engg., Richard Glover and Laree Mugler, both also Procter & Gamble, listen as Matt Burger, sr., NE, explains a point on the group's tour of the nuclear reactor in Ward Hall.

College nears halfway mark in fund raising campaign

With a commitment of \$18,000,000—more than any other single college or group at the university, the College of Engineering has raised approximately 50 per cent or \$9,000,000 of its goal for the Essential Edge campaign.

"While our share is large, our need is great," Don Rathbone, dean of the College of Engineering, said. "We've just passed the halfway point of the five-year campaign and our biggest challenge may yet be ahead."

The Essential Edge campaign, a program implemented by the Kansas State University Foundation Board of Trustees, was designed to strengthen and enrich academic and research programs at the university's eight colleges

by raising \$100,000,000 towards that goal.

The following projects have been proposed for use of the funds raised by the College of Engineering during the campaign:

- \$3,000,000 for endowed professorships;
- \$2,000,000 for endowed scholarships;
- \$9,000,000 for named schools of engineering;
- \$2,000,000 for named laboratories and laboratory equipment;
- \$1,500,000 for an engineering library;
- \$500,000 for leadership institute.

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Seminars, conferences support industry

"Providing support for and working with Kansas companies and industry—this was our purpose," said Gale Simons, Associate Dean for Research and Director of the Engineering Experiment Station for the Kansas State University College of Engineering.

Simons made the comment recently in regard to the significant expansion of technology transfer methods in the areas of seminars and conferences for fiscal year 1990, by the Center for Research in Computer-Controlled Automation (CRCCA).

CRCCA, a Kansas Technology Enterprise Corporation Center of Excellence at KSU, hosted eight seminars and conferences during the year which reached approximately 440 people and 70 Kansas businesses. These were organized by John Ulrich, Director for Technology Transfer and Greg Spaulding, Senior Engineer.

Four conferences were on-campus seminars with participant interaction. Two were multi-site video conferences originated and produced by the CRCCA, uplinked from the Kansas Regents Education Communications Center and downlinked across the state. This was the first time that satellite technology had been utilized in Kansas for technology transfer. The other two events were downlinked via satellite dish by the CRCCA to a campus meeting room.

A brief overview of the eight proceedings was provided by Simons:

Improving Quality by Identifying and Reducing Variation. This video conference was originated and produced by CRCCA. The focus was production improvement and lower costs through identification and reduction of variations. Presented by Keki Bhote, senior corporate consultant for Motorola, Inc., the conference was downlinked to 12 cities with approximately 125 participants at sites throughout Kansas, Missouri and Minnesota.

University/Industry Artificial Intelligence Symposium. This "in-house" symposium gave 52 attendants opportunity to discuss applications in the field of artificial intelligence. The program featured presentations by Kansas business executives and educators. The keynote dinner speaker was Dr. Jeff Fong from the National Institute of Standards and Technology.

Computer Networking for Business and Engineering. A live, interactive video conference, offered at statewide locations, was produced by CRCCA in conjunction with the Silicon Prairie Technology Association. It provided 120 participants with information on how computer networks can benefit business.

Neural Networks: Capabilities and Applications. This Institute of Electri-

cal and Electronics Engineers (IEEE) video conference, dealing with current applications of neural networks, was downlinked by the CRCCA and telecast to the public at KSU.

Expert Systems: Integration with Databases and Real-Time Systems. A live, IEEE satellite video conference, downlinked by the CRCCA and shown on campus, provided data on current applications of integrating expert systems and information sources.

Total Quality Management. This seminar, presented by Boeing and sponsored by the CRCCA, covered the basic implementations of total quality management in business.

Artificial Intelligence. This video conference, presented by Texas Instruments and downlinked by CRCCA, was shown twice at K-State.

Computer-Aided Software Engineering (CASE). Also presented by Texas Instruments and downlinked by CRCCA, this seminar discussed how businesses can use CASE to solve daily problems and improve operations.

"A continued increase in this type of technology transfer to Kansas companies is planned by CRCCA," Simons said, "with next year's goal being four satellite broadcast seminars, four local seminars and one major conference."



Participants in a recent Artificial Intelligence Symposium: (standing l-r) Maria Zamfir-Bleyberg, KSU; Jeff Fong, NIST; John Voller, Black & Veatch; Dave Rodger, Boeing; Yee-Wei Huang, KSU; Eddie Fowler, KSU; (seated l-r) John Ulrich, KSU; Gale Simons, KSU and Keith Hummel, Allied-Signal Aerospace.

Gorton receives recognition as ASHRAE 'Fellow'

Robert L. Gorton, professor in ME, was named a Fellow of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) at the Society's 1990 winter meeting in Atlanta, Ga., Feb. 10-14.

The honor recognizes distinction in the arts and sciences of environmental technology and is earned through achievement as a researcher, designer, educator or engineering executive.

Gorton began his 30th year at K-State in July, specializing in the areas of heat transfer, thermodynamics, power systems and engineering designs.

Goodman and Boettcher commencement honorees

Two prestigious awards from the College of Engineering—the James Hollis Award for Excellence in Undergraduate Teaching and the Distinguished Service Award—were presented respectively to Allan P. Goodman and Jarold W. Boettcher at Kansas State University commencement activities May 19.



Allan P. Goodman

Goodman, a K-State faculty member since 1977, teaches courses in design, acoustics, and architectural history in the department of architectural engineering and construction science. His recent research interests and public presentations have been in the fields of creativity and innovation.

A native of Wichita, Goodman earned a Bachelor of Architecture degree from K-State in 1967, practiced architecture in Wichita until 1977, and received his Master of Architecture degree from K-State in 1988.

He has been a member of Phi Kappa Phi, Steel Ring, Tau Sigma Delta and Sigma Lambda Chi honoraries. Most recently he was awarded the distinguished John F. Helm Award in architec-

ture and was selected as one of sixteen campus faculty to be honored by the Golden Key Honor Society.

Jarold W. Boettcher is a 1963 graduate of K-State with a B.S. in nuclear engineering. He is vice president and general manager of Boettcher Enterprises, Inc., and Boettcher Supply, Inc., a firm that provides wholesale and retail farm and construction supplies and chemicals in northwest and northcentral Kansas and southern Nebraska.

He holds a master's degree from M.I.T., and formerly held positions in investment banking in New York City and investment research and fund management in Kansas City.



Jarold W. Boettcher

Boettcher is currently a director of Guaranty State Bank and Trust Co., Beloit, Ks. He is a trustee and a member of the Executive Committee of the Kansas State University Foundation and has served on several advisory and study committees for agriculture related issues for the Kansas State Board of Agriculture.

CE professor, Best, dead at 61



Cecil H. Best

Civil Engineering Professor Cecil H. Best, 61, died at his home in Manhattan, June 9, 1990, following a long illness.

Best came to Kansas State University in 1961 and began as a professor in applied mechanics, served as associate dean of the College of Engineering for five years, and spent the last 15 years as a professor of civil engineering.

He received his undergraduate, master's and doctoral degrees from the University of California, was a research fellow at the Technical University of Norway, and was the principal investigator at K-State for numerous contracts and grants.

A member of Sigma Tau, Sigma Xi, American Concrete Institute and National Society of Professionals Engineers, Best was also president of the Kansas Engineering Society and winner of the James Hollis Award for Excellence in Undergraduate Engineering Teaching.

He was considered an expert on the subject of concrete and authored several professional publications and reports on the topic.

"The thing that I felt the strongest about Cecil while he was in this department," commented Dr. Robert Snell, head of civil engineering, "was that he was always a true professional in everything he did.

"Someone referred to me recently as 'Cecil's boss,' " Snell continued, "but I told them, 'Nobody was Cecil's boss. We were all his colleagues.' "

In reiterating Snell's comments on Best's professionalism, Don Rathbone, dean of the College of Engineering, added, "Cecil was one of our outstanding professors and will be sorely missed."

Survivors include his wife Geraldine, one son and one daughter.

'... halfway mark in fund raising campaign'

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"We're most appreciative of those who've helped us thus far," Rathbone said, "and I'm confident that many more alumni and friends will be coming forth in the next two years—including industry.

"Overall my outlook is optimistic," he continued. "We have tremendous alumni from this college who are committed to education, Kansas State University and the engineering profession."

Burton named AE, CnS head



Charles L. Burton

Charles L. Burton is the new department head of architectural engineering and construction science effective July 1, 1990. The position became available following the retirement of Robert E. Dahl.

Burton has been an AE professor in the College of Engineering since 1970. He has a B.S. in civil engineering from K-State and a master's degree in architectural engineering from the Univ. of Kansas.

He was most recently recognized with the Outstanding Educator Award from the Associated General Contractors of America, Education and Research Foundation, and had previously been the recipient of the Hollis Award for Outstanding Undergraduate Teaching in the College of Engineering, the All-University Award for Outstanding Undergraduate Teaching and the John Trimmer Teaching Award of Excellence from Associated Builders and Contractors.

Senior awarded NSF study grant

Shelli R. Letellier, ChE '90, was awarded a graduate fellowship from the National Science Foundation that will support three years of graduate study with \$12,900 per year.

She will begin a master's degree program in the fall at the Univ. of Washington in Seattle, where her plans include research in bio-engineering, specifically in the development of biomaterials for use in artificial organs or drug release patches.

A graduate of Chapman High School, she was the top-ranked student in the KSU Department of Chemical Engineering in her junior year, for which she received the Dow Chemical award.

The NSF awarded 1,001 graduate fellowships this year nationally, and 80 were designated for women in engineering.



Dr. L. T. Fan (r), head of ChE, presents a copy of his recent book to Shelli Letellier (l) in recognition of her NSF award.

'... honors Procter & Gamble'

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ager and group manager for the Long Beach plant, and operations manager in St. Louis. He was promoted to plant manager in Portsmouth in 1980 and became Division Manager-Manufac-

turing, Paper Products Division, in 1988. He has a B.S. in mechanical engineering from the Univ. of Arizona, serves on the Univ. of Cincinnati College of Engineering Corporate Advisory Council and is active in the National Society of Professional Engineers.



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