

IMPACT

Kansas State University College of Engineering

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Spring 1993

Two new administrators join college staff

Two new administrators were appointed in March to the College of Engineering. They are Thomas C. Roberts, assistant dean of engineering, and Karen M. Martin, director of the minority engineering program.

A consultant for Upward Consulting of Olathe, Roberts replaces John Dollar, who retired in January. Roberts is responsible for coordinating college activities related to incoming students, including communication, advising, orientation and other student programs.

A KSU graduate in nuclear engineering, Roberts received a B.S. in 1970 and an M.S. in 1972. He served as an officer in the U.S. Army Chemical Corps. Roberts later spent 16 years with Black and Veatch Engineers and Architects of Kansas City. He was an engineer and coordinator for the company's systems engineering department in the power division and the last 10 years a director of human resources development.

"I am pleased Tom has joined the College of Engineering because of his many special talents working with people and particularly students," Dean Don Rathbone said. "He has taught at the Regents Center in Johnson County



Thomas C. Roberts

for the past five years, including a course on total quality management. Tom also is a director of the American Society for Engineering Education's professional development board."

Martin was an academic counselor and instructor for the College of Arts and Sciences for the past four years. She replaces Andy Cordero who is pursuing a graduate degree in Florida.

Martin is responsible for outreach programs in high schools to



Karen M. Martin

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Doll named 1993 Alumni Fellow

Dixon R. Doll, Ann Arbor, Mich., was named College of Engineering 1993 Alumni Fellow.

Doll has been an engineer, entrepreneur, consultant and educator in telecommunications since 1965. He is a recognized expert in the design, planning and implementation of advanced computer systems and communications networks.

He has been a successful venture investor since the late 1970s and is a partner in San Francisco-based Accel Partners, a venture capital firm that invests in entrepreneurial

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Dixon Doll

College tops Essential Edge goals

More than seven thousand individuals, couples, groups and companies have contributed almost \$29 million so far to the College of Engineering's portion of Kansas State University's Essential Edge Campaign.

Dean Don Rathbone said this was a strong showing of support by the alumni of the College of Engineering. The college had been allotted the highest goal, \$18 million among KSU's nine colleges and units for the five-year fund-raising effort.

The college has graduated about 17,000 students during its history, according to Bedford Magnus, an engineering graduate volunteer to the Essential Edge Campaign effort. "That means that probably more than half of those who are still living have contributed or pledged to this campaign."

Magnus said about \$9 million of the funds pledged were in the form of

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Conoco checks in

Duane Wilson, vice president and general manager for operations and support for Conoco, presents Dean Don Rathbone, left, a \$70,000 check for Kansas State University. Conoco earmarked \$50,000 of the check for the College of Engineering. Also present were, from the left, Paul Madison, Bharat Chahar, Mary Graham, Mickie Poynor, Pete Dimond, and Tom Tucker.

Doll named Engineering alumni fellow for 1993

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 companies in technology-driven markets. He has helped organize, fund and grow some of the networking industry's most significant companies: Network Equipment Technologies, Bridge Communications, Vitalink and Optilink. He serves on the boards of privately owned emerging companies, and in a volunteer position as venture manager for the University of Michigan Graduate Business School Growth Fund.

He earned a B.S. from KSU in 1964, and master's and doctoral degrees from the Univ. of Michigan, all in electrical engineering.

Doll founded the DMW Group Inc. in 1971 and is its chairman. He has assisted vendor and carrier organizations with planning and developing future products and services. He directed large computer companies, leading common carriers, and end-user organizations interested in leveraging investments in information technology.

Doll has been active in regulatory affairs, providing strategic plan-

ning services to policy makers in federal and state PUC proceedings. He provided testimony and expert guidance for litigation teams in resolving a major patent infringement suit and two industry antitrust suits.

Doll has published a text, *Data Communications*, and a collection of his bimonthly columns, "Dixon on Line".

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New administrators join staff

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 increase enrollment of minorities in engineering; administering a scholarship program, tutorial services and peer-support operations; advising three student organizations; and coordinating the freshman study skills program.

Originally from New Orleans, Martin is a KSU doctoral degree candidate this May in counseling and student personal services. She has a B.S. (1978) in speech pathology from Xavier University and a master's in communication disorders (1979) in audiology from Louisiana State University Medical Center.

Martin was a speech, hearing and language specialist for the New Orleans public school system. She

was on the faculty at Southern University and served as acting head of the speech and hearing department. At Rutledge College, Orleans, she served as an academic dean responsible for student academic records. She joined the K-State arts and sciences staff in 1988.

"Karen brings to the college an outstanding record of advising students and monitoring their academic progress," Rathbone said. "These are two important components of our minority engineering program. Additionally Karen is sensitive to a student's need for career counseling, and is experienced at working with high school students."

College's Essential Edge tops goals

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deferred donations such as trusts. Another \$12 million has been committed to the college through wills.

Contributors to the Essential Edge Campaign could direct the use of their donations by picking among several categories the college had earmarked as areas to be enhanced through future spending: endowed professorships, expendable scholarships, endowed scholarships, student and faculty awards, laboratories, an engineering library, a professional development center, equipment and buildings.

With nearly two months left in the campaign, Rathbone said he hopes alumni who have not done so will take this opportunity to contribute to the college's future.

"We have several more gifts pending that may come in before the end of the campaign," said Rathbone. "If they do, we could end up with a total well over \$30 million."

WISE winners announced

Brian Grell, junior in NE, Junction City, Kan., Michelle Munson, junior in ChE, Chapman, Kan., and Sarah Vida, senior in ME, Jefferson City, Mo., are three of 13 students selected in a nationwide competition for a 10-week public policy-making internship in Washington D.C. They will participate in the 1993 Washington Internships for Students of Engineering (WISE) this summer.



Brian Grell

Grell, Munson, and Vida will study the roles of engineers as they contribute to public policy decisions on complex technological matters. The program seeks as applicants outstanding engineering students who display leadership skills and an interest in public policy.

K-State's College of Engineering has had at least one student chosen every year for the last nine years of

the 14-year program. This is the second year the college has had three of the representatives for one session. Students are chosen for the program from more than 250 engineering schools in the United States.

While in Washington, Grell, Munson, and Vida will be under the guidance of nationally prominent engineering professor Dr. Robert Goulard, professor of engineering and applied science at The George Washington University. The internship provides travel costs and a stipend for living expenses.



Michelle Munson



Sarah Vida

College helps turn up elusive jobs

Responding to a growing need to help create opportunities for graduating engineering students, the College of Engineering kicked off its first Job-a-thon in April.

Scott Scrogin, an assistant to the dean and coordinator of the effort, said, "The purpose of the Job-a-thon is to let the college take a proactive, progressive approach in contacting our highly successful alumni in order to expand our full-time, summer intern and co-op job base."

Scrogin said students needed the Job-a-thon because "nationally on-campus recruiting for engineers is down 27 percent. At KSU, we've been able to continue to attract employers to recruit here."

"However, with the economic times and the changes in demand

from various industries, we want to be 'ahead of the curve' when it comes to attracting new, small- and medium size firms to recruit at KSU."

Scrogin said small- and medium-size companies were a main focus of the Job-a-thon, which represented a shift in attention.

"National and regional statistics show a trend that small- and medium-size companies will account for the highest percentage of new jobs that will be attractive to our graduates," Scrogin said.

This is the first year the college has attempted such an effort, according to Dean Donald Rathbone, who called it a "pilot program" because it targeted three departments (Mechanical, Electrical and Computer, and Industrial).

"The fate of this program de-

pends on our success this year and the need to help students find employment in the future," Rathbone said.

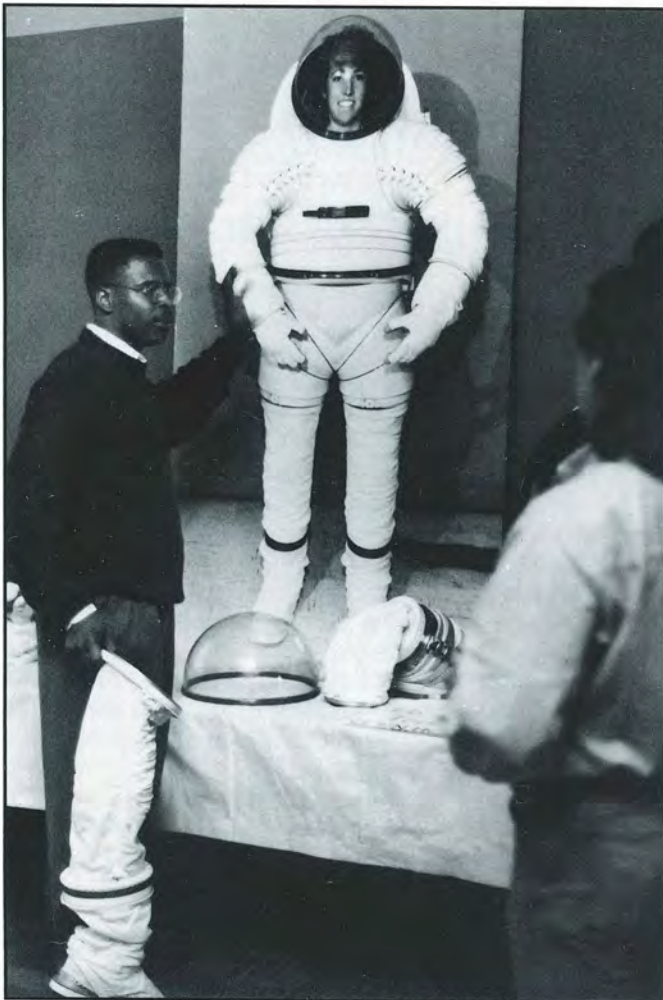
Job-a-thon began April 13-14 when the dean's office mailed 755 letters to selected alumni. The letter asked them to help identify potential jobs and to pass on to their personnel officers information about the KSU College of Engineering and Career and Employment Services center.

Student volunteers then followed up the letters with phone calls April 18-20 and 26-27.

Though it was too early to determine the effectiveness of the effort, Scrogin said, "The response has been good so far and we are thankful to those alumni who have been able to help us."



Architectural engineering students parade their version of "Imagineering," the theme of the 1993 Open House.



Lee Willis, program engineer at NASA's Johnson Space Center, Houston, explains features of the Mark IV space shuttle suit. Steel Ring invited NASA to display the suit and associated equipment during Open House.

Open House '93

April 2-3



L.T. Fan, left, head of chemical engineering, visits with George Kidwell and Carrie Thomas of Dow Chemical during the luncheon. The college dedicated a lab to Dow in a special ceremony during Open House.



Advisor of the year

During Open House festivities, Dean Don Rathbone honored David Pacey, associate professor in engineering technology, as the advisor of the year.



Dean Rathbone congratulates St. Pat and St. Patricia, Brad Marshall, EE, and Cynthia Riemann, IE.



Jeff Wootton, ME, judges an entry in the spaghetti bridge competition.

Award winners

Yellow Brick—Mechanical Engineering (fourth consecutive year)

Outstanding Department—Agricultural Engineering

Open Class—Industrial Engineering

Freshman/Sophomore Class—Architectural Engineering

Limited Class—Computer Engineering

Curriculum Display—Mechanical Engineering

Technical Presentation Award—Architectural Engineering

Graduate Award—Chemical Engineering

St. Pat—Brad Marshall, senior in electrical engineering

St. Patricia—Cynthia Riemann, senior in industrial engineering

W. Leroy Culbertson Steel Ring Leadership Scholarship—Kenton Epard, senior in electrical engineering

Advisor of the Year—David Pacey, Engineering Technology



Wanda Culbertson was on hand to present the Culbertson scholarship to Kenton Epard, EE, and his parents, Richard and Neva Epard of Colby.



Parade watchers witness the ignition of the rockets of Mechanical Engineering's winning parade entry.

pion Motor Coach, Inc., Imlay City, MI.

Russell D. Taylor (EE '89) and his wife Sarah announce the birth of their first child, Kathryn Elizabeth, March 27, 1993. Russell is a senior engineer for Halliburton Services, Duncan, OK.

Kent Oldham (EE '89) has been promoted to senior systems analyst at the Procter & Gamble Kansas City, KS., plant.

Loren (Martin) Newell Rard (EECE '90), K.C., MO, announces the birth of a daughter, Ashley Martin Rard, March 9, 1993.

Cynthia Hare Hafenstine (EE '90), Liberty, KS, recently transferred to the telecommunication design and development engineering group at ARCO Pipeline Co. She also announces the birth of Catherine on Nov. 6, 1992, who has an older brother, Glenn.

Shelli Letellier (ChE '90) received her M.S. in bioengineering from the Univ. of Washington-Seattle in March 1993, and is now continuing on for her Ph.D. in bioengineering.

Simeon O. Terry (IE '91) is a construction and safety engineering mgr. with United Homecraft Corp., a home building company in Dallas,

TX. He had previously been a safety consultant with Liberty Mutual Insurance. He will begin work on his M.S. in IE at Amber Univ. in the fall of 1993.

DEATHS

Millard W. Wilcox (CE '35) died March 17, 1993, at his home in Tucson, AZ. He had retired in 1974 after many years with the National Park Service. He is survived by his wife Katherine and three sons.

James R. Watkins (ME '50) died

Jan. 20, 1992. He had retired from Boeing-Wichita in 1986. He was active in the Masonic Lodge, and the Boy Scouts. He is survived by his wife, Nancy, twin sons, a daughter and two grandchildren.

Jay E. Faulconer (CE '63, M.S. CE '69) died Feb. 24, 1993, in Topeka, KS. He was a professional engineer with a consulting CE company in Miami, FL. Survivors include his mother, a sister, a stepdaughter, and one granddaughter.

College seeks nominees for Hall of Fame

Nominations are being accepted for those to be named to the Engineering Hall of Fame Class of 1993. This year's initiation ceremony and banquet will be held on Oct. 8, 1993.

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 and support of the College of Engineering, active involvement and support of KSU, and professional public service.

Deadline for nominations is June 15, 1993. These should be sent to Hall of Fame; College of Engineering; 146 Durland Hall; KSU; Manhattan, Kan. 66506-5104.



College of Engineering
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