

IMPACT

Kansas State University College of Engineering

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EE students named top senior and junior

Two Kansas State University EE students have been named outstanding senior and junior in the nation by the Eta Kappa Nu honorary in electrical engineering. The awards are for 1993.

The organization gives just two student awards nationally each year and K-State students won both.

Eta Kappa Nu advisor Richard R. Gallagher called the awards a "recognition of outstanding accomplishments and a real plus for the university as well as the individuals. These are the two top awards in electrical engineering in the country and it is amazing that one university won them both."

Brad Darrel Marshall, Augusta, won the Alton B. Zerby and Carl T. Koerner



Kenton Epard and Brad Marshall

Outstanding Electrical Engineering Student Senior Award. The award carries with it a monetary gift of \$1,000

and an expense-paid trip to Anaheim, Calif., to attend an awards dinner in

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Claude Wilson dies Jan. 25

Claude L. Wilson, 90, a member of the KSU Engineering Advisory Council, died January 25 in Prairie View, Texas.

He graduated from KSU with a bachelor of science degree in 1925 and a master's degree in 1929, both in mechanical engineering.

From that time until his retirement, *continued on page 2*



Claude Wilson

Second Job-a-thon nets jobs and more

A pool of 295 alumni provided more than 130 full-time and summer job leads and referrals during the second annual College of Engineering Job-a-thon held during early November.

The program is an ongoing cooperative effort between the college and KSU's Career and Employment Services.

Overall, 35 students callers reached 210 alumni, resulting in more than 125 follow-up letters and 75 calls by Career and Employment Services and the college.

"We are extremely pleased with the success of our second Job-a-thon," said Scott Scrogin, assistant to the dean. "The results are directly related

to the success of our alumni and their knowledge of opportunities, both inside and outside their own organizations."

During the Job-a-thon students call alumni of their department to expand the network of potential job opportunities, especially in small and medium-size companies.

More promising than the immediate results is the trend for the future according to Marcia Schuley, assistant director of Career and Employment Services.

"These numbers in no way reflect the potential," she said. "We are now just planting the seeds that we'll be *continued on page 2*

Wilson, KSU class of '25, leaves distinguished record

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he served in various roles at Prairie View A&M University, rising from assistant professor of mechanic arts to dean of the college of engineering, which he founded in 1947, academic dean of the university and vice president for physical plant planning and engineering. After retiring from the university in 1974, he worked as a consultant.

In 1962, KSU presented Wilson its Distinguished Service Award for out-

standing accomplishments in engineering. The College of Engineering appointed him to its advisory council in 1971 and awarded him an honorary doctorate of science in engineering in 1982. In 1988, the College of Engineering inducted him into its Hall of Fame. He was also a member of the KSU President's Club.

"Claude Wilson was truly an outstanding engineer and educator," said Don Rathbone, dean of KSU's College of Engineering. "He and Lucellustine

were great friends and supporters of the college and the university."

Wilson was the first African-American to be a registered professional engineer in Texas. He was honored numerous times by professional organizations for his contributions to engineering and education.

His wife of 66 years, Lucellustine, continues to reside at their home in Prairie View. He is also survived by his daughter, Rosalind Joyce Wilson James, of Houston.

ChE students win AIChE national awards

Kansas State University students in the College of Engineering have received chemical engineering awards.

Lana Knedlik, Belleville, was awarded third prize in the American Institute of Chemical Engineer's national student design competition. Knedlik graduated in May 1993 with a bachelor's degree in ChE.

Knedlik completed the design problem as a senior in ChE in April 1993. She received her award, which consisted of a plaque of recognition and a check for \$100, at the honors luncheon

for the institute's annual meeting in St. Louis in early November.

In addition, Bryce Williams, junior in ChE, Topeka, was awarded the institute's scholastic achievement award. The award is provided by the institute each year to a member of the student chapter with the highest scholastic average for the freshman and sophomore years.

"Recently our chemical engineering students have done well in national competitions. Along with Knedlik's and Williams' success, we had an hon-

orable mention in the national student paper competition last fall (Robert Rainbolt, B.S. ChE '93), and a winner of one of ten AIChE national scholarships this fall (Kevin Stokes, senior in ChE)," Walter Walawender, professor of ChE and chapter advisor, said.

Job-a-thon

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able to harvest later."

Schuley based her optimism on the opportunities that surfaced for students after the first Job-a-thon in the spring of 1993.

Students continued to find full-time and intern positions well into the summer months, she said. "I'm increasingly impressed with the results that are coming in."

Schuley also sees a snowball effect at work for engineering students.

"We've had a lot more results from the fall Job-a-thon because we followed up the leads we generated in the spring."

If you know of employment opportunities, contact Schuley at 913-532-1685 (or FAX to 913-532-6802). If you have questions about the Job-a-thon or how you can help, call Scrogin at 913-532-7169.

Top EE junior, senior in nation

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his honor. Marshall, who graduated in December with degrees in EE and mathematics, traveled to California over the summer to accept his award.

Recently Kenton L. Epard, now a senior in EE and pre-law, was notified of his selection as the nation's outstanding junior in EE. He is the recipient of the Norman R. Carson Outstanding Junior Award.

Both students were recognized at a banquet by the Tau Beta Pi engineering honorary held in late November at K-State.

Marshall maintained a 3.9 grade point average. He is a member of Golden Key National Honor Society,

Blue Key senior honorary, Chimes junior honorary and Phi Kappa Phi honorary. In addition, he is a member of Tau Beta Pi and Eta Kappa Nu engineering honoraries as well as the Institute of Electrical and Electronics Engineers.

Epard, from Colby, received \$500 and a certificate recognizing his selection as outstanding junior. He is president of his fraternity, Theta Xi. He also is vice president of Interfraternity Council and a member of Mortar Board honorary. He is active in Student Tribunal and Student Senate. He is a member of Golden Key National Honor Society, and is a past secretary of Eta Kappa Nu engineering honorary.

Engineering Open House '94

ENGINEERING EVOLUTION:

Engineering Open House
April 8 & 9, 1994
Featuring...

- Department & Industrial Displays
- High School Competitions:
 - What Time Is It?
 - The Willie Flip!!!
 (see your instructor for details)

KSU
KANSAS STATE UNIVERSITY

Schedule

Friday, April 8, 1994

Engineers' Open House Parade (Mid-Campus Drive)	Noon
Engineering Opening Ceremonies (Front steps of Seaton Hall)	
Torch runner's 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	2-4 p.m.
Engineering Student Displays and Open House of Facilities (Durland, Seaton and Ward halls)	5:30-9 p.m.
Industrial Displays (Durland, Seaton and Ward halls)	5:30-9 p.m.

Saturday*, April 9, 1994

High School Design Contest	
Registration (Durland Hall Atrium)	8-9 a.m.
Steel Ring Honorary Alumni Reception (Sunflower Room, K-State Union)	9-10 a.m.
High School Design Contest (Durland Hall, Paslay Lecture Hall)	9 a.m.-noon
"What Time Is It" and "The Wxxxxx Flip" design competitions	
Engineering Student Displays and Open House of Facilities (Durland, Seaton and Ward halls)	9 a.m.-4 p.m.
Industrial Displays (Durland, Seaton and Ward halls)	9 a.m.-4 p.m.
Engineering Alumni Luncheon; limited seating (Flinthills Room, K-State Union)	Noon
Engineering Social Hour (Cats Pause, K-State Union)	5-6:15 p.m.
27th Annual Engineers' Open House Banquet (Main Ballroom, K-State Union; advance reservations only)	6:30 p.m.

*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 25, 1994.

I plan to attend the Engineering Alumni Luncheon on Saturday, April 9, 1994, and have enclosed my check for ____ tickets at \$5 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 9, 1994, 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

Return this form to:
Donald E. Rathbone
Dean of Engineering
Kansas State University
142 Durland Hall
Manhattan, KS 66506-5104

Experiment Station posts new gains

As the Engineering Experiment Station at Kansas State University (KSU) closed its books for fiscal year 1993 this fall, the numbers reflected increases in research funding and graduate enrollments.

"We knew what the trend was as the year progressed," said Gale Simons, director of the Engineering Experiment Station, "but with the year finished and the final tally in, now we can talk about it."

It was a year of milestones, according to Simons.

"Essentially in all categories related to the graduate program—research funding, graduate students enrolled, graduate students graduated, proposals submitted—we set new records."

During 1993, the Engineering Experiment Station had \$13.5 million available and submitted 306 research proposals to funding institutions, Simons said. "Since 1987 our research funding has increased 200 percent, or two times, and has had steady growth for the past two decades."

Simons said funding for research projects comes from a variety of sponsors in state and federal government and private organizations and corporations.

Simons said the increases are attributable to two factors: more research proposals submitted by faculty and the increasing value of each proposal.

"When you get the number and the dollar value of proposals both increasing, that makes the total dollar amount increase significantly," Simons said.

"If you look back at fiscal year 1990, we had 191 active proposals. The total dollar value of those proposals was nearly \$15 million. It worked out to an average of a little more than \$78,000 per proposal. If you look at fiscal year '93, we submitted 306 proposals, a big increase in the number of proposals, with the amount of money requested jumping to \$42.5 million, or an average of almost \$139,000."

Simons said the increases in

research funding in recent years have been coupled to the success in raising graduate enrollment in the College of Engineering.

"Seven years ago I served on a committee to study graduate education in the College of Engineering. At that time we projected that we would like to have in five years 300 graduate students. We now have many, many more than that, so we exceeded that target in the time range we projected."

This is important, according to Simons, because of the link between graduate education and research.

"Research funding and the graduate student program are intimately tied because grants and contracts from our sponsors support our faculty and graduate students to work on projects,



Gale Simons

travel to conferences and publish papers," he said. "A lot of this research money is spent to support graduate students. In order to attract the top graduate students, you must offer them a graduate research assistantship, or some type of financial support. You cannot have a strong graduate program without having a strong, extramurally funded research activity. One of the major sources of that support is grants and contracts.

"And graduate students are the ones who do a tremendous amount of the research, because each graduate student is assigned to a research project. And these students work closely with faculty members to perform research. That's part of their education."

During fiscal year 1993, the KSU College of Engineering graduated 80 students with master's and doctor's degrees and began the new year, 1994, with a fall enrollment of 461 graduate students.



AMI conference makes a point

Dwight Day, a KSU electrical engineering professor, explains his bread grading system during the Progress in Manufacturing Conference and Exhibit in Durland Hall, sponsored by the College of Engineering's Advanced Manufacturing Institute Jan. 7. During the conference, AMI associates feature their new projects and demonstrate new products. The conference drew 169 industry representatives this year.

Support your college's activities — and wear its colors

You can help expand programs related to personal and professional development and display our alumni colors.

The college of engineering is offering sweatshirts to alumni, students and friends of the college. Money raised from these sales will support the development of abilities ranging from communications skills and teamwork to leadership and professionalism.

Students are emphasizing these topics in their personal development now through a program called Students Taking Action for Rewards and Success (STARS). Enterprises such as selling these attractive sweatshirts not only provide additional learning activities through STARS but give students

management opportunities—rare to find in the campus environment.

Ken Williams, a junior in architectural engineering and a STARS alumni, came up with the idea to sell the sweatshirts and worked to receive approval through the dean of engineering and the K-State Union Bookstore, which will be providing

the sweatshirts. Having the bookstore provide the sweatshirts will minimize resources required of the college and insure quality.



Order your K-State Engineering sweatshirt today!

Phone your order to: 913-532-6583 (M-F, 8-5)
 FAX your order to: 913-532-2388
 Mail your order to: K-State Union Bookstore
 Kansas State University
 Manhattan, KS 66506-2809

Three easy ways to order:

Please send me the following number of K-State Engineering sweatshirts, in the sizes indicated, at \$24.95 each: sizes (circle one) ___M ___L ___XL ___XXL

Total price of sweatshirts = _____
 For shipment in Kansas, add 5.4% sales tax _____
 Shipping and handling (\$4.95 for one, _____
 add \$2 for each additional sweatshirt) _____
TOTAL _____

Purple Possessions Guarantee

If you are not completely satisfied with

your order, the K-State Union Bookstore will accept the return of any order within 30 days after you receive your merchandise.

Send my sweatshirts to:

Name

Address (no P.O. boxes)

City, State, Zip code

Daytime phone

Payment

- Check enclosed (no C.O.D.s, please), payable to K-State Union Bookstore
 Visa MasterCard Discover

Card # Expiration date

Signature

Mohammed M. Akbari (M.S. IE '90) and his wife Nisreen announce the birth of their first son, Aziz Akbari, Nov. 22, 1993. Mohammed is presently employed with NAPCO Security Systems, Amityville, N.Y., as production control manager.

Kymberly Beach Martin (EE '92) is a GPS engineer for Intermetrics, Inc., Holloman Air Force Base, N. Mex. She

and her husband Devin Martin (Geogr. '92) had their first child Nov. 10, 1993, a daughter, McKenna Jo.

Scott Case (MET '92) is engineering manager for Palmer MFG. & Tank, Inc., Garden City, Ks., and just added the responsibility of safety director. He and his wife Chandra have two sons, Kane, 3, and Kyron, born July 14, 1993.

Annual Scholer Concrete Conference held Feb. 3 at KSU

"Light Commercial and Residential Concrete" was the focus of the 17th annual Scholer Concrete Conference, Feb. 3 at Kansas State University.

Cosponsored by the departments of civil engineering, architectural engineering and construction science, and continuing education, the day-long event featured workshops in the K-State Union, and lunch and exhibitor and supplier demonstrations and a

trade show in the Weber Hall arena.

Architects, builders, concrete contractors and finishers, realtors, land developers and other participants attended sessions on such topics as quality concrete fundamentals, new and innovative applications to light commercial and residential concrete, and alternatives to traditional concrete paving and walls.

Deaths

William R. Rostine (CE '40) died Nov. 26, 1993, in Springfield, Mo. He was co-owner of the Hutchinson Concrete Co. until 1982 when he retired and moved to Table Rock Lake. He is survived by his wife Virginia, four daughters, one son, and 13 grandchildren.

W. Glen Andrea (ME '47) died May 28, 1993, at his home in Elkins Lake, Tex. Before retirement he had worked for Conoco Oil Co. for 23 years, and then the Dept. of Energy for 10 years. He is survived by his wife Iona, one son, one daughter, and three grandchildren.

Danny E. Shupp (ME '49) died in Houston, Tex., Aug. 19, 1993, from complications of heart disease. He was retired from the Oil and Gas Division of Dow Chemical Co. Survivors are his wife Eunice, one daughter and two sons.



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Dean of the College
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Director, Engineering Experiment Station
Gale Simons