

IMPACT

Kansas State University College of Engineering

Vol. 27, Number 3

Summer 1992

Dollar will retire in January

Assistant Dean John P. Dollar has announced that he will retire in January.

Dollar, 62, said he is retiring because he "wants to get time for myself while I'm still young enough and healthy enough to use it."

Dollar graduated from Kansas State University with a bachelor's degree in electrical engineering in 1956. After working for Proctor and Gamble and Kansas Power and Light, he returned to KSU to teach and work on his master's degree in 1960. After completing his master's in 1966, Dollar went to Salina to head the electronics department of

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John Dollar looks forward to retirement.

Three cited during graduation

At commencement ceremonies May 16, the College of Engineering recognized the achievement of three individuals: Bedford Magnus with the Distinguished Service Award, Robert L. Gorton with the James L. Hollis Memorial Award for Excellence in Undergraduate Teaching, and Richard R. Gallagher with the Conoco Outstanding Undergraduate Teaching Award.

Magnus is an Agenda native who

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Bob Snell passes CE reins to Stu Swartz



Robert R. Snell

Stuart E. Swartz became the new head of the Department of Civil Engineering July 1 from Robert R. Snell who had held the position for 20 years.

Swartz began as an assistant professor at K-State in CE in 1972, and became a full professor in 1977.

He received his B.S. and M.S. in civil engineering from the Illinois Institute of Technology in 1959 and 1962, respectively, and completed his Ph.D. there in 1968. Prior to coming to KSU, he was an instructor, research assistant and research associate at IIT.

Swartz is active in professional

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Stuart E. Swartz

Halliburton Services named Company of the Year

Halliburton Services was named 1992 Company of the Year by Tau Beta Pi Engineering Honorary during ceremonies April 27. Art Mixon, vice president, North American Operations, was named 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."

Erle P. Halliburton began his oil well cementing company in 1921 in Wilson, Okla. Seventy years later, Halliburton Services operates a worldwide oil field services network



Dean Donald Rathbone, center right, talks about the college's new 486-based computer lab while leading a tour of facilities during Company of the Year events.

with operations in 60 countries. Facilities include international manufacturing plants, a modern multi-million dollar Research and Development Center, an Energy Institute, a Special Products Group and an Off-shore Marine Group. Halliburton currently employs 30 K-State engineering graduates.

Art Mixon graduated from the Univ. of Southwestern Louisiana in 1958 with a B.S. in petroleum engineering. He joined Halliburton that year as an engineering trainee and over the next 34 years held such positions as field and district engineer; district, division and regional manager; vice president, USA opera-

tions; and his current post, vice president, North American operations.

Mixon accepted both the Man and Company of the Year awards at the evening banquet in the K-State Union. Earlier in the day he had given a lecture to students in the Engineering Honors Seminar.

Two other Halliburton employees were also on campus that day as guests of the College of Engineering. Bruce Matthews, technical manager, spoke to Machine Design I and Statics classes, and Bill Baker, manager of College Relations, addressed students in Industrial Project Evaluation and Circuit Theory I.



Tau Beta Pi president Cindy Riemann presents Art Mixon of Halliburton Services with the Company of the Year plaque.



Tau Beta Pi vice president Sonya Blanka presents honored guests Bill Baker, left, and Bruce Matthews with their certificates.

Hisers establish scholarships

Art and Georganne Hiser, Manhattan, Ks., have made a \$50,000 commitment to support four programs at Kansas State University.

Using matching funds from the Mobil Foundation to create an endowment through the KSU Foundation's Essential Edge Campaign, the Hisers set up the gift to include \$20,000 for a chemical engineering scholarship; \$20,000 for a chemistry or chemical science scholarship; \$7,500 in Ahearn scholarships; and \$2,500 for the botanic gardens.

"It is our hope that students who might be prevented from going to school due to financial reasons will have that opportunity because of our gifts," said Art Hiser, a 1948 ChE graduate.

The Art Hiser Chemical Engineering Scholarship will benefit undergraduate and graduate students in chemical engineering. The Georganne Fowler Hiser Chemistry Scholarship will go to undergraduate or



Art and Georganne Hiser

graduate students in chemistry or chemical science.

Matching gift programs enable employees to guide corporate philanthropic investments. The KSU Foundation maintains gift programs with

more than 900 companies and foundations.

"Corporate and foundation gifts are the basis for many scholarships, professorships and research studies at Kansas State University, and matching gift programs are an extension of this support," said Gary Hellebust, KSU Foundation director of corporate and foundation relations. "K-State alumni and friends can use their companies' matching gift programs to double or triple their financial support."

Art Hiser, a native of Nortonville and a Manhattan High graduate, worked in several states and in Australia for Mobil and is a retired refinery manager. He served as a chamber of commerce executive officer when living in California and New Jersey.

Georganne Hiser is a Dodge City native and a 1948 chemistry graduate of K-State. The Hisers are members of the KSU Foundation's President's Club which recognizes donors of at least \$10,000.

KTEC continues support to AMI

The Kansas Technology Enterprise Corporation has awarded the Advanced Manufacturing Institute at Kansas State University's College of Engineering \$800,000 for fiscal year 1993. The money is a continuation of five years of core funding support for AMI, a KTEC Center of Excellence.

The AMI assists in the state's economic development by helping Kansas manufacturers become familiar with and adopt modern, advanced technologies. The institute accomplishes this by researching and transferring new and existing technologies to manufacturers, providing technical assistance to small and medium sized manufacturing companies, and conducting seminars and workshops on topics of advanced manufacturing technologies.

Types of assistance to companies has included help to computerize production and design facilities, providing design for new products, development and testing of new materials, and providing systems and training for quality control and total quality management. Compa-

nies involved have been from many Kansas communities such as Hillsboro, Osborne, Manhattan, McPherson, Great Bend, Salina, Dodge City, Topeka, Independence, El Dorado, Lyons, Hutchinson, Overland Park and Lawrence.

"The private sector of Kansas has a real opportunity available to them through the AMI--a quality research institute," said Gale Simons, director of K-State's Engineering Experiment Station. "We're fortunate to have economic development programs like this in Kansas."

Farhad Azadivar, director of the AMI, said, "We provide a valuable service through the institute and are very glad to be a part of KTEC and have their funding to help keep the project going. It is a great program that benefits the Kansas community."

The Center will use the \$800,000 as leverage for additional funding from the federal government and private industry, Simons explained. Last year the Center had an operating budget of nearly \$2.5 million.

Aviation training contract approved

The Kansas Board of Regents has approved an international pilot training contract between Kansas State University-Salina and McDonnell Douglas Training Systems Inc., an operating unit of McDonnell Aircraft Company.

Under terms of the five-year agreement, KSU-Salina will begin training as many as 100 commercial airline pilots a year for McDonnell Douglas. A second component of the agreement covers training for airframe and power plant maintenance licensing.

International airlines can contract with McDonnell Douglas for pilot-trainees to attend an accelerated flight training program at K-State-Salina. MDTSI is responsible for all fees and tuition.

Regent Chair Jack Sampson, KSU President Jon Wefald and McDonnell Douglas representative Denny Behm, vice president and general manager of McDonnell Douglas Training Systems, made the announcement following its approval

at the Board of Regents meeting in Lawrence in April.

"McDonnell Douglas has recognized K-State-Salina's unique aeronautical training program," said KSU President Jon Wefald, in announcing the agreement. "It is one of the best training programs in the world in preparing pilots to meet the certification requirements of international pilots."

K-State-Salina can provide commercial airline flight training to qualify an individual for an FAA professional pilot's license and FAA airframe and power plant license.

Wefald stressed the value of cooperative arrangements between the private sector and Kansas universities. "Contracts like this one, between a regents university and

the private sector, are beneficial to all parties involved," he said.

In terms of economic development, the state and Salina will benefit. This contract has a potential for a multi-million dollar impact on the local economy as the international students train in Salina. McDonnell Douglas will pay a training fee to the university for each international student enrolled.

"We welcome the involvement of McDonnell Douglas to higher education in the state of Kansas," said Sampson. "To the best of my knowledge, this is the first time McDonnell Douglas has engaged in such a partnership with higher education."

The first group of international students is scheduled to begin training in September.

CE has new head

■ continued from page 1

societies and has been recognized often during his career. These include the Past President Award from the Society for Experimental Stress Analysis/Society for Experimental Mechanics; Past President and Distinguished Chapter Member Awards from the Kansas Chapter, American Concrete Institute and Fellow grade, ACI; the Halliburton Faculty Award, KSU; and Honor Member and Teaching Excellence Award from the KSU Chapter of Chi Epsilon.

College of Engineering Dean Donald Rathbone expressed his gratitude and optimism about the change.

"The Department of Civil Engineering has had outstanding leadership from Bob Snell for the past 20 years, and I am looking forward to continued excellent leadership from Stu Swatz," Rathbone said.

Ag engineer prof wins award

Do Sup Chung, professor of agricultural engineering at Kansas State University, was awarded the 1992 American Society of Agricultural Engineers Kishida International Award during the society's international summer meeting in Charlotte, N.C., June 21-24. The award recognizes Chung's contributions to the improvement of food production systems and education for the international community.

Since 1965 Chung has been involved in teaching, research and international programs for grain postharvest technology at KSU. He has given technical assistance and training programs to government agencies, universities and research institutes in numerous developing countries. His efforts have been recognized by the governments of Costa Rica, Indonesia and Korea.

Dollar to retire

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the fledgling Schilling Technical Institute, forerunner of today's KSU College of Technology at Salina.

Dollar returned to KSU in the fall of 1967 to teach electrical engineering. In 1975 he helped establish the Department of Engineering Technology where he taught half time. The rest of his energies he devoted to his new post as assistant to the dean. In 1976 he became an assistant dean.

Though cutting back in his teaching, he never gave it up completely, being one of the regular professors to teach Engineering Concepts, later adding Circuits and Controls in

the Department of Electrical Engineering.

Dollar said he has enjoyed the people he has worked with at K-State and the kind of students the university produces, but that he is looking forward to retirement. He plans to go fishing regularly with KSU EE grad Bill Rosenkranz in Corpus Christi, Texas, and to satisfy "a thirst I've developed for the Southwest" by spending time with his daughter, Allison, in Gallup, N.M., and work to save Indian artifacts there. He also plans to travel and revive an old interest in sailing.

Dollar's wife, Diane, is an assistant professor in the Department of Art. The couple also has a son, Matthew, who lives in Lawrence.

Engineering students build Olympic chair

Four KSU engineering students combined their ingenuity and sweat to develop prototypes of two unique chairs for a special athlete during the spring semester. Now the chairs face the ultimate test: world competition at Barcelona.

Wheelchair athlete Kevin Saunders, himself a KSU alum, considered the equipment available to him inadequate, so he challenged his alma mater to design a better competition wheelchair. The challenge became a class project.

Brad Eisenbarth, Brad Norman, Paul Snider and Maury Wilmoth submitted the winning ideas, which they brought into reality under the direction of professors Drakash Krishnaswami (ME) and Daniel Swenson (ME).

One of the chairs is for the discus and javelin hurls. It swivels to create a circular momentum which



Paul Snider hands Kevin Saunders the shot during a field trial of one of the chairs designed for the Olympic athlete.

a person cannot get in a normal wheelchair. The other chair is fixed for competition in the shot put.

Saunders set a new pentathlon record in July at qualifying trials for the U.S. Paralympic team.

Register now for 1992 Career Fair

The College of Engineering will hold its annual Career Fair this year on Sept. 29.

The college invites corporations to display their exhibits from 9 a.m. to 3 p.m. that day in the Ballroom of the K-State Union. The college anticipates more than 600 students from engineering, computing and information sciences and the new KSU-Salina College of Technology will attend this year's Career Fair.

On Sept. 28, the College of Engineering will host its ninth annual Industry Recognition Banquet. Companies may participate by hosting engineering students at this event. The banquet provides a good opportunity to visit informally with students and faculty interested in your corporation.

The College of Engineering will provide each participating company or organization with two resume books—one with information about engineering seniors and the other about minority and women undergraduate engineering students.

If you would like more information, contact Barbara Finnegan, Ca-

reer Fair coordinator, at 913-532-5949, or return the form below and a registration packet will be mailed

to you. The College of Engineering looks forward to hearing from you and having you join its Career Fair.

Preliminary Response Card 1992 KSU Engineering Banquet & Career Fair September 28 & 29, 1992

Company _____

Contact person _____

Address _____

City _____

State _____

ZIP _____

Telephone _____

Yes, please send me a registration packet.

We are unable to attend the Career Fair, but are interested in receiving details about acquiring the Engineering resume books.

College honors three at commencement

■ *continued from page 1*

received his bachelor's degree in EE from KSU in 1950. He held positions with Lockheed Aircraft, Beech Aircraft, Kansas Gas & Electric, and Kansas Power and Light, retiring in 1990 as



**Bedford
Magnus**

KP&L Gas Service district manager in Emporia.

He is a member of the President's Club and recently joined the KSU Foundation as a volunteer constituent development officer for the College of Engineering.

Active in civic affairs his whole life, Magnus was chairman of the El Dorado Chamber of Commerce, and president of the Rotary Club, Community Concert Association and United Way there. He also served as president of the Butler County Community College Endowment Association.

Gorton has been a member of the

KSU faculty since 1960. He teaches thermodynamics-fluid-heat transfer, power cycles, environmental engineering and mechanical engineering in the Department of Mechanical Engineering.

He obtained his B.S. in ME from Louisiana Tech, his M.S. from Louisiana State and his Ph.D. from Kansas State.

While at K-State, Gorton has been Amoco Oil Foundation Faculty Fellow and Halliburton Professor.

He was president of the KSU Chapter of Sigma Xi Research Society, received the American Society of Mechanical Engineers Centennial Medallion and was elected a Fellow of ASME. He was elected to Fellow grade of ASHRAE and received its Distinguished Service Award.

Gallagher, a professor of Electrical and Computer Engineering, has



**Robert L.
Gorton**

**Richard R.
Gallagher**



been a part of the KSU faculty since 1968. He earned his B.S., M.S. and Ph.D. degrees in EE from Iowa State University.

He teaches course in circuits, control systems and bioengineering.

Gallagher is a past president of the Faculty Senate, presently serves as the university's ombudsperson, and has served on the Graduate Council.

He is a member of the Institute of Electrical and Electronics Engineers, the Biomedical Engineering Society, Sigma Xi, Tau Beta Pi, and Eta Kappa Nu.

He has been a recipient of the American Society for Engineering Education's Western Electric Fund Award, the Eta Kappa Nu Distinguished Faculty Award and the College of Engineering's James L. Hollis Memorial Award for Excellence in Undergraduate Teaching.



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Manhattan, Kan. 66502

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