New Manufacturing Learning Center to be model

Kansas State University is launching what organizers call a “multimillion dollar, path-breaking partnership” that could provide the nation a model for improving competitiveness in manufacturing.

The Manufacturing Learning Center, a concept initiated a year and a half ago by the director of KSU’s Advanced Manufacturing Institute, Farhad Azadivar, and developed by the institute’s staff and KSU engineering faculty, will open in Manhattan in January.

The center will give Kansas manufacturers a unique opportunity to use new manufacturing equipment at a state-of-the-art plant. Manufacturers will use the expertise of KSU faculty, students and the center’s professionals to develop modern, efficient manufacturing systems for new and existing products.

“This is a unique project that will provide a model for technical education and partnership between universities and industry as a whole,” Azadivar said.

The center also will give graduating engineering students real-life work experience while providing Kansas manufacturers the research and technical services they badly need.

Services will include advanced manufacturing training for employees of manufacturing companies and students at colleges and technical schools. The center will also develop new manufacturing systems for small- and medium-size companies and provide workshops and seminars for the manufacturing industry.

This summer, the advanced Manufacturing Institute obtained the funds needed to make the Manufacturing Learning Center a reality. Don Rathbone, dean of the KSU College of Engineering, said the college’s newest facility is located on Manhattan’s east side in the industrial park.

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KSU to receive Besal funds

Lighting education in the KSU Department of Architectural Engineering was recently awarded $18,000 of annual support from the Besal Fund.

The Besal Fund encourages talented and committed fourth- and fifth-year engineering students to pursue careers in the lighting industry by providing scholarship assistance for students enrolled in illumination engineering programs, as well as providing faculty assistance to insure qualified instruction and program excellence.

The majority of the funds will go to student scholarships, according to Clarence Waters, associate professor and head of the lighting curriculum at KSU. The scholarships will range from $1,000 to $1,500 per semester.

Wilson endows minority scholarship

With a major gift, Mrs. Lucellustine Wilson has endowed the KSU College of Engineering with a scholarship fund for minorities and women, to be known as the Claude and Lucellustine Wilson Scholarship Program. Claude Wilson was dean of engineering at Prairie View A&M University, Prairie View, Texas, when he retired. He died in January. Prairie View A&M University named the Dean C.L. Wilson Complex for him Aug. 26.

Claude Wilson held bachelor’s and master’s degrees (1925 and 1929) in mechanical engineering from KSU. He was a long-time supporter of KSU. He served on the KSU Engineering Advisory Council and was a member of the KSU President’s Club. KSU honored Wilson with its Distinguished Service Award in 1962 and an honorary doctorate in engineering in 1982. He was inducted into KSU’s Engineering Hall of Fame in 1989.
Two receive Distinguished Service Award

During commencement ceremonies in May, Don Rathbone, dean of the college of engineering, presented Distinguished Service Awards to two K-State engineering alumni, Richard W. Corbin (B.S., M.S., '63, '65) and L. Stuart Curtis (B.S., M.S. '59). Corbin is manager of security for the Exxon Company, U.S.A., with responsibility for the security of Exxon's operations in the United States. He is also chairman of the Exxon Security Group that coordinates security for Exxon's operations worldwide.

Corbin went to work for Exxon after graduation and has held numerous engineering and management assignments, including manager of corporate planning and operations manager at the Baytown Refinery. He has also been involved in professional and community activities. He is chairman of the board of directors of the Petroleum Industry Security Council, chairman of the 16-member group of the Petroleum Security Group and a member of the American Society of Industrial Security. He is also a member of the Boy Scouts of America and a board member of the Houston Racquet Club.

While at K-State, Corbin was a quarterback for the football team, a member of the All-American Scholastic Football Team, Student Council and Blue Key. He has been a strong supporter of K-State.

Curtis is president and chief executive officer of Curtis Machine Company in Dodge City, a position he has held since 1972. He served as the company's vice president and general manager before then.

Through his efforts, his company holds two patents on gear box designs and is working on four more applications to be patented.

Curtis is also involved in his community and supportive of K-State. He serves on boards of directors for the 1994 Kansas Chamber of Commerce and Industry and the 1994 Kansas Industrial Council. He is a member of the K-State College of Engineering Advisory Council for the Advanced Manufacturing Institute and a member of the college's Industrial Engineering Advisory Council.

Correction

The article, "Williams receives Dow scholarship" in the summer 1994 issue of IMPACT should have said that Bryce A. Williams received the 1994 Dow Outstanding Junior Scholarship Award, which consists of $1,000 and a summer internship with the company, and Essa Gartney-Tagoe received the Premier Scholarship Program, which consists of a $1,500 award.

Learning center a model

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Engineering, negotiated to buy the 22,000-square-foot Walker Manufacturing building from the Manhattan Chamber of Commerce shortly after the manufacturing company announced that it would be closing its Manhattan division as part of a company-wide restructuring.

Without the community support, the project would have been unattainable, Rathbone said.

"I am extremely appreciative of the support we have received from Pottawatomie County, the Manhattan Chamber of Commerce, the city of Manhattan and Western Resources in the purchase of the facility," he said.

The Manufacturing Learning Center this year received more than $1.5 million in outside funding. The National Institute of Standards and Technology awarded $655,000 through the national Technology Reinvestment Project. This federal project provides money for defense conversion. Additionally, more than $500,000 came from the city of Manhattan, Pottawatomie County, the Kansas Technology Enterprise Corporation and Western Resources, a Kansas utility company.

Member companies will have access to the technical expertise of engineering teams of center professionals, students and faculty from interdisciplinary fields. They also will have access to the center's manufacturing equipment, a library of technical materials, and discounted rates for seminars and workshops.

Exxon provides grants

Ron Thomas, Exxon, presents Dean Don Rathbone with a check to help Kansas State University provide special programs and equipment. Exxon makes the grants to schools that offer degrees in fields the company recruits for future employees. Exxon's college relations coordinator, Truman Bell, said, "In addition to our general support of education, these grants are specifically directed to university departments that are producing the type of well-qualified graduates Exxon needs."
Three new members were named to the Kansas State University College of Engineering Hall of Fame Oct. 7.

The college honored Mark K. Enns (EE ’53), Richard B. Myers (ME ’65) and Laree A. Mugler (ME ’72) with a reception and dinner, followed by the Hall of Fame ceremony.

Enns is president of Electrocon International Inc. of Ann Arbor, Mich. He was a Westinghouse Lamme scholar and holds master’s and doctor’s degrees from the University of Pittsburgh. He has been an assistant professor at Carnegie Mellon University and a professor at the University of Michigan, where he was also the director of the power systems lab. He is a director of Harris-SAI, is an IEEE fellow and has been listed in Who’s Who in America.

Myers is a lieutenant general in the Air Force and presently commands the U.S. Forces, Japan and the Fifth U.S. Air Force at Yokota, Japan.

He has been awarded numerous military decorations and was named a College of Engineering alumni fellow in 1990.

He has a master’s degree in business from Auburn University and is a graduate of the Army War College.

Mugler, the first woman member of the Hall of Fame, is the associate director of Worldwide Quality Assurance for Procter & Gamble in Cincinnati. She has also been a plant manager in Jackson, Tenn., and Lima, Ohio.

She has served on various civic boards, including United Way, YMCA and Health Care and was a housing authority commissioner in Jackson, Tenn. She was named an Outstanding New Rotarian in 1990.

Dean Don Rathbone stands with the 1994 inductees to the KSU College of Engineering Hall of Fame, left to right, Mark K. Enns, Laree A. Mugler and Richard B. Myers during a reception in their honor Oct. 7.

She is also a member of the KSU Engineering Advisory Council and a member of the KSU President’s Club.

During the banquet, Associate Dean Ken Gowdy, center, visits with new Hall of Fame inductee Laree Mugler. Approximately 110 people attended the reception and banquet.

Patricia Enns, wife of new inductee Mark Enns, shares some humor with Arlene Oppliger, wife of Gerald Oppliger, who was inducted in 1992.
Career Fair goes campuswide

More than 2,000 students and representatives from 156 employers came together at the first annual Kansas State University Career Fair Sept. 29 to explore their mutual interests and discover if they might share a future.

This year's event involved the entire university. In past years colleges have sponsored their own career fairs.

Both students and employers found this year's event advantageous. Of the 156 employers who turned in evaluations at the end of the day, 85 said they preferred the all-university format, according to Karen Pence, assistant dean of human ecology, who was in charge of publicity.

"Companies cannot come to campus four times or more when each college has a career fair," said Pence.

"There was more crossover this year. Employers saw students from all the colleges."

Pence said all of the colleges benefitted from this because employers saw more students than if they had attended individual college fairs.

Of the 156 employers and graduate schools that were on hand, 60 specified that they were looking primarily for engineering students. This was almost double the number of employers who attended the College of Engineering's Career Fair in 1993. Many companies were offering possibilities for co-ops and summer internships, as well as career opportunities.

There were few disappointments with the day's events, according to Pence.

"In general, employers commented that they were impressed with the number and quality of the students. Student comments indicated they were impressed with the number and variety of employers on hand.

"It was an upbeat day," she said.

ASHRAE chapter regional best

The Kansas State University student chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) received the Regional Student Chapter of the Year award during a conference in Albuquerque, N.M., in August.

According to the Steve Moser, faculty advisor to the group, the KSU chapter received the award for its activities during the 1993-1994 school year.

Gustafson nets NSF grant

David Gustafson, associate professor of computing and information sciences at Kansas State University, headed a group of faculty that submitted a proposal that has won a National Science Foundation (NSF) award.

The award, in the amount of $31,202, will allow the department to purchase new laboratory equipment for improving instruction in undergraduate science courses.

"The project will allow undergraduate students to apply the theory they learned in courses to control robots," Gustafson said.

Minority engineering students earn top grades and scholarships

Students of color in the College of Engineering at Kansas State University received minority scholarships totaling more than $30,000 this academic year.

Thirty-one of the 121 minority students in the college received national scholarships from Dow Chemical, Dow Corning, Phillips Petroleum Company, Allied Signal, McDonnell Douglas, 3M Corporation, Procter & Gamble, the dean of engineering and the KSU Foundation. The students received the awards for outstanding grades and achievements.

"One-fifth of the minority engineering students have a 3.0 grade point average or better and 50 percent of the women engineers have a 3.0 GPA or better," said Karen Martin, director of the minority engineering program in the college.

Along with national scholarships, Martin raises other funding by soliciting corporations. These funds support her program and allow for additional scholarships for incoming minority engineering students.

"When the students receive money from the program, I ask that they give something back by tutoring and assisting the students who may be struggling," Martin said.

Julius McClellan, of McDonnell-Douglas, visits with one of the students that stopped at his company's booth during the first universitywide career fair Sept. 29.
Salina's Exline brothers retire

In January three brothers, KSU alumni and avid supporters, retired and sold their company.

The Exline brothers, Bob, Jerry and Doug, owned and operated Exline Inc. in Salina.

For the Exline family, attending and supporting KSU and its college of engineering has become a family tradition.

The brothers' father, Bob, started the tradition when he attended KSU in the 1930s. But the Depression forced him to drop out and return home to work. His oldest son, Bob, was the first to graduate from KSU, (IE '56), followed by Jerry (Arch '60), then Doug (IE '61). The three brothers had eight children—who all graduated from KSU. They hold degrees in engineering, architecture, business, education and veterinary medicine.

The Exlines have also used KSU to conduct research for their business. Exline Inc. specializes in repairing large equipment, primarily large stationary engines for generating electricity and pumping natural gas. This is about 60 percent of the business. The other half comes from repairs of large equipment in such industries as aircraft, mining, milling and printing.

The three brothers' great-grandfather, Robert Warren Exline, started the business 122 years ago as a blacksmith, making the company the 15th oldest business in the state.

The brothers' father took over the business in the '30s during the Depression when their grandfather decided to go back to farming.

Bill Exline got involved in the oil drilling industry, which led to the company's developing expertise in stationary engines, which was fortunate for the company, according to Bob Exline.

"I think you have to be ready to retire to really enjoy it."

"We evolved with the use of the stationary engine in industry rather than in agriculture. This has been a good thing for us because it did not fluctuate as much as agriculture. We got in in its infancy in the '30s, and it was a growth situation."

Over the years, Exline has grown steadily. When Bob went to work for the company in 1956 it was "doing about a quarter of a million a year to $300,000 in gross sales...and now we'll gross close to $8 million," he said.

When he started with the company it had 18 employees; now there are 96. All this has required more equipment and more buildings (from one to five) to house it. He sums it up by saying, "It's been just a nice steady growth."

Upon their retirement, the three brothers sold the company to Bob's oldest son, Rob, who has degrees in mechanical engineering and business from KSU. Rob also brought to the company experience from working for Trane Corp., a contracting firm and from running his own contracting company in Los Angeles.

"He worked for about 12 years before he came back to Salina. He got some real valuable experience there that we needed."

Bob said he and his brothers were ready when they decided to retire.

"I think you have to be ready to retire to really enjoy it. You begin to realize that you're ready and then it's a matter of deciding what you really want to do because there's so much out there to do."

Bob plans to travel, first to Australia, then Africa and Europe. He has also taken up some new hobbies, first of all radio-controlled airplanes. And he enjoys spending time with coffee groups and civic organizations.

He said Jerry is involved with rebuilding foreign race cars and paints. He, too, likes to travel.

Doug now lives in Topeka and is interested in remodeling and rebuilding homes. He is also involved in community theater where he manages the construction of the sets for productions. He also owns a plane and flies.

Bob said he plans to stay involved with KSU. He enjoys being involved with the college of engineering and attending arts events. "We enjoy coming down to the theater. We're still very involved, all three of us," Bob also continues to serve on the College of Engineering Advisory Council.

Apparently, for the Exline brothers, retiring from work did not include retiring from their K-State loyalty.
DEATHS

Ralph Erwin Douglas (ChE '44) died April 12, 1994, in San Rafael, CA. He had retired as an assoc. engineer from the Public Utilities Commission in 1986. He is survived by two sons.

Larry L. Watkins (CE '55), Topeka, KS, died April 14, 1994. He was a licensed professional engineer and at the time of his death a project manager in the structural department at Bartlett and West Engineers. He is survived by his wife, Marcia, one daughter, two sons and four grandchildren.

Robert L. Clarke (CE '56) died in April 1994. He was a consulting engineer for Hole Montes Assoc. Inc. of Naples, FL. He is survived by his wife, Barbara, four children and three grandchildren.

Herbert Templeton Bates, retired professor of CE at KSU, died July 30, 1994, in Manhattan, KS. He taught at KSU from 1958 until his retirement in 1978. He had previously taught at Case Western Reserve Univ., Cleveland, OH, and the Univ. of Nebraska at Lincoln. He had also been employed by or served as a consultant to various industries. He is survived by his wife, Wanda, one son, one daughter, and four grandchildren.

Alumni directory due again in '95


With permission, Harris will list an individual's name in four sections: biographical, specialty, geographical and class year.

Harris will contact alumni by phone to determine interest and obtain permission. Harris will also take steps to insure that directory information is not released outside the KSU community.

Directories are expected to cost $55 to $65, plus shipping and handling. The last KSU engineering directory was published in 1986.