IMPACT

Kansas State University College of Engineering Vol. 31, Number 3 Summer 1996

Tointons bequeath $500,000 gift for scholarship

By Melisa Hayes

The college of engineering will establish an endowed scholarship program with a $500,000 gift from KSU alumni Robert and Betty Tointon of Greeley, Colo.

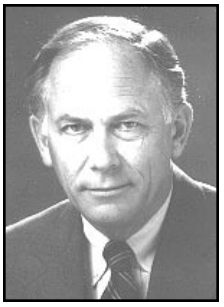
The gift to the KSU Foundation will establish the Tointon Family Scholarships for Engineering Excellence.

The scholarships will be awarded to outstanding students enrolled in the college of engineering. At the Tointons' request, preference will be given to students studying civil engineering, architectural engineering, and construction science and management.

Donald Rathbone, dean of engineering, said he will use the Tointon scholarships to recruit and recognize top high school graduates from Kansas and the region. Once established, the awards will be the largest and most prestigious ones given through the college.

"Bob Tointon has always been a leader. He has been successful in literally everything he has done," Rathbone said. "I am particularly pleased that he has great loyalty to his college and his university. He is the kind of alumnus who makes a difference to our program."

A native of Smith Center, Robert Tointon received a bachelor's degree in civil engineering in 1955. His wife, Betty, graduated the same year from the college of human ecology.



Robert Tointon

Tointon is president and chief executive officer of Phelps-Tointon Inc., Greeley, Colo. His company has four operating divisions: Rocky Mountain Prestress, which supplies structural and architectural precast in Colorado, Southern Steel Co., which manufactures and installs detention equipment for the national jail market, Phelps-Tointon Millwork and Armor Safe Technologies.

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McAuliffe and Stack honored for service

The College of Engineering honored two of its graduates with Distinguished Service Awards during commencement ceremonies May 11 — Michael A. "Mick" McAuliffe and John R. Stack.

McAuliffe is a 1965 graduate with a B.S. degree in civil engineering. He is the president of the Environmental Services and Remediation Division of EARTH TECH, one of the largest engineering firms in the United States.



Michael McAuliffe

Prior to joining EARTH TECH he served with 3D/lnternational. The company is a construction management firm based in Houston. He was elected to 3D/International's board of directors and served as the president of its eastern region, located in Fairfax, Va. He was involved in the development of business company-wide.

He entered the United States Air Force in August 1965 as a distinguished graduate of the KSU Reserve Officer Training Corps. He retired as an Air Force brigadier general after serving on active duty for more than 28 years.

During his career, he held many responsible positions requiring significant leadership and management of engineering construction and environmental programs and projects. He culminated his career with promotion to the second most senior engineering position in the United States Air Force.

He and Nancy, his wife of 35 years, are both Salina, Kan., natives. They have two children and six grandchildren. Their home is in Williamsburg, Va.

Stack is a 1955 graduate with a B.S. degree in architectural engineering. He retired from Black and Veatch in 1995 following an association of 40 years. Stack was active in the field of power generation



John Stack

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Schroeder named alumni fellow

The KSU College of Engineering named James C. Schroeder its 1996 alumni fellow.

Schroeder is president of Great Western Manufacturing Co. Inc., in Leavenworth, Kan. Great Western is the state's oldest manufacturing company and a leading manufacturer of sifting machinery for the flour milling and cereal grain processing industry.



James C. Schroeder

Schroeder earned a bachelor of science degree in electrical engineering

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Clark to close 30 years with October retirement

By Mike Dorcey

Stanley J. Clark, head of the department of biological and agricultural engineering, will retire in October, bringing to a close 30 years of service to the KSU College of Engineering.

Clark began his career when he took a position as an associate professor in agricultural engineering in 1966, but he actually came to Kansas State University in 1950 when he began his undergraduate studies.

After earning his bachelor's degree in 1954, he went to work for John Deere for three months before going into the Air Force for three years. He served most of his time at Bryan Air Force Base, Texas, where he was an installation engineer. After leaving the Air Force, he returned to KSU to get his master's in agricultural engineering, which he completed in 1959.

By the time he got the call to come back to KSU to teach in 1966, Clark had also completed his doctorate in ag engineering at Purdue University and was a research engineer at Colorado State University.

Clark said his career has been highlighted by two watershed events. The first was the energy crisis of 1973 and the research it prompted.

"This was our day in the sun," Clark said. "Following the crisis, a lot of competitive grant money became available and I had several successful contracts with my colleagues. We were able to do a variety of things with alternative fuels in internal combustion engines."

The most exotic alternative fuel Clark worked with was hydrogen. He modified a 40-horsepower engine so it could burn hydrogen efficiently and safely. About 50 hours of engine performance test time was accumulated using pure hydrogen as a fuel. Clark also designed and tested modular hydrogen storage systems for mobile vehicles using metal hydrides.

Clark said his most successful alternate fuel development was using soybean esters as a diesel fuel.

"We were one of the first to do extensive testing of several soybean esters," he said. "We modified it so it poured and burned like diesel. We were told our test engines would run only a few hours before gumming up. But we ran them in blocks of 200 hours and got performance close to diesel. And when we tore them down, the engines were clean."



Stanley Clark

Economics kept soybean oil from entering the diesel fuel market, but Clark is content his research was valuable. "When we got done, we had a technology we could shelve that we could fall back on. It's there if we need it."

Clark's second major event came in 1987 when he became department head. He said his biggest task in the position was to lead the department through a name change.

"In the 1980s, agricultural engineering educators all over the country began talking about changing their department name," he said. "At that time we were offering two degrees, one in ag engineering through the college of engineering and one in ag mechanization through the college of agriculture.

"In 1989 the ag mechanization students began complaining that there was a problem with name recognition and what the program involved, so in 1990 we changed the name to ag technology management. This was a good move because it removed all the problems."

Also, the department added two options, food engineering in the 1980s and environmental engineering in 1993, that added impetus.

"Following the ag. technology management name change and the addition of the food and environmental engineering options, we decided that agricultural engineering didn't describe us any more," Clark said. "So in 1994 we changed our name to biological and agricultural engineering."

"I think bringing the department through the name change has been one of the most satisfying things I've done," Clark said. "This discipline creates technology that reaches out to, or interfaces with, living organisms. It's technology that works with biological systems, not against them. It preserves natural resources and protects the environment — and doing it in an economical way, which isn't always easy."

In retirement, Clark said he and his wife, Diana, plan to continue living in Manhattan, where he intends to pursue several goals, none of which are "retiring."

"My biggest ambition is to replace myself with an endowed chair," he said. It will take a lot of work to raise the $1 million to $2 million required for such an endowment, he said, but "I have an intense interest in agricultural and off-road machinery systems design and want to see it continued here."

He said he also is looking forward to more flexible scheduling.

"I'm looking for meaningful things to do, but with more flexibility. I want to do some consulting work with small companies across the state and develop ties with them back to KSU."

McAuliffe, Stack recognized for service

'DAT' technology licensed

Kansas State University research on developing earthquake-resistant structures is getting a major boost from a $250,000 cooperative program sponsored by Mark Development Inc., a Hawaiian company.

The Stiffness Decoupler Technology, or DAT, is the product of work by K-State researchers Tony Hu, Phil Kirmser and Stuart Swartz. This patented technology provides a new, innovative approach to building earthquake-resistant structures.

The related patents are held by the KSU Research Foundation and are being licensed to Mark Development for commercialization. Mark Development representative and KSU alumnus Dave Watase (CE'82) presented checks totaling nearly $250,000 for the planned program during ceremonies June 26 at KSU.

Ruth Dyer wins Hollis teaching award

The college of engineering named Ruth Dyer to receive its prestigious James Hollis Award for Excellence in Undergratuate Teaching this year.

Dyer, an associate professor of electrical and computer engineering, has taught primarily control, digital signal processing and bioengineering.

A native of Fort Worth, Texas, she attended Oklahoma Baptist University and Washburn University prior to receiving B.S. and M.S. degrees in biochemistry from Kansas State University. Her Ph.D. is in mechanical engineering, earned at the University of Kentucky.

Dyer has been a member of the KSU faculty since 1983. She was promoted to associate professor in 1989. "Ruth Dyer has maintained a strong interest in undergraduate education throughout her career," said Dean Don Rathbone. "This is only the latest of many awards she has received for her teaching and professional contributions."

Previously Dyer received the Eta Kappa Nu Distinguished EECE Faculty Member Award in 1986 and 1994. In 1983 she received an outstanding Young Women of America citation. She is a K-State Parrish Colloquium Fellow. Dyer is a member of Eta Kappa Nu, Phi Lambda Upsilon, Gamma Sigma Delta, and Alpha Lambda Delta and has been honored by the Golden Key National Honor Society.

Dyer is active in several professional societies. She is a senior member of the Institute of Electrical and Electronics Engineers, a member of the IEEE Engineering in Medicine and Biology Society, and the IEEE Instrumentation and Measurement Society. She serves as an associate member of the IEEE Society on the Social Implications of Technology Administrative committee.

Dyer is on the board of directors of the Rocky Mountain Bioengineering Symposium and served as program chair for it in 1994. She is a senior member of the Society of Women Engineers and is active in the Women in Engineering Program Advocates Network.



Ruth Dyer

Dyer has been active in university service. She has served on Faculty Senate and many university, college and department committees. She has served on many scholarship selection committees and is active in recruiting women students to engineering.

Dyer's research program has covered a range of topics in digital signal processing and bioengineering. Her areas of interest include physiological responses to exercise, Hadamard-transform spectroscopy, biomedical applications to ultrasonics, modeling of physiological and biological systems, and signal processing of physiological signals.

Glasgow honored with Commerce Bank award for undergraduate teaching

Larry A. Glasgow, professor of chemical engineering, received the Commerce Bank Award for Excellence in Undergraduate Teaching for 1996.

Glasgow teaches transport phenomena, reaction engineering and process control.

A native of Kansas City, Kan., he earned his B.S., M.S. and Ph.D. degrees in chemical engineering in 1972, 1974 and 1977, respectively, from the University of Missouri at Columbia.

Glasgow has been a member of the KSU faculty since 1978 and was promoted to professor in 1988. He is a member of Sigma Xi, the American Institute of Chemical Engineers, the American Chemical Society, and the Fine Particle Society. He is also a licensed professional engineer.

Glasgow has maintained, without interruption, at least one, and often two, national-level competitive research grants since joining K-State, a remarkable record. He has published his research findings widely and has traveled far, both in the United States and abroad, to present these findings.

"Notwithstanding his many research related activities, he has performed superbly in teaching in terms of quality as well as quantity," said Dean Don Rathbone. "Larry Glasgow has taught, with clarity and skill, a wide variety of courses ranging from the entry level sophomore courses to Ph.D.-level courses in chemical engineering."



Larry Glasgow

He is considered a demanding and talented instructor who inspires his students to excel. They particularly appreciate his creative and challenging homework assignments and his willingness to help them outside regular office hours."

"Larry Glasgow personifies an ideal faculty member for universities such as K-State, which endeavor to be leading research institutions while maintaining excellent undergraduate programs," Rathbone said. "The Commerce Bank Award is highly appropriate and well-deserved recognition of his outstanding contributions to the college of engineering."

Schroeder named alumni fellow

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from K-State in 1963. While at KSU he was a member of Sigma Chi fraternity.

He began his career with Westinghouse Electric Corp. as a development engineer in the large power transformer division with projects in core form design in Sharon, Pa., from 1963-1964, and shell form design in Muncie, Ind., from 1964 to 1967. He was granted a patent for the application of solid state relay circuits to mechanical control relays.

He joined Great Western in 1968 as manufacturing vice president and was named president in 1976. As an associate member of the Association of Operative Millers he has presented numerous technical articles dealing with sifting equipment from design to maintenance. In 1994 he was presented the Allied Trades award in recognition of continued improvement in mill sifting machines.

Schroeder is currently a director of Leavenworth National Bank and a member of the Leavenworth Chamber of Commerce and Leavenworth Area Development. He has been a member of the Leavenworth Water Board, director of Leavenworth Country Club and chairman of Cushing Hospital.

Tointon endows scholarships with $500,000

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Tointon has been actively engaged in general contracting since 1955, except during a three-year stint as an Air Force pilot.

A former trustee of the KSU Foundation, Tointon received the Distinguished Service Award from the KSU College of Engineering in 1987. He currently serves on the KSU College of Engineering Advisory Council and is a member of the KSU College of Engineering Hall of Fame.

Over the years, Tointon has held leadership roles with various financial, business, civic and educational institutions. Betty Tointon served on the KSU Alumni Association Board of Directors from 1982 to 1985. The couple has been strong financial supporters of KSU for more than 20 years.

"Betty and I have soft spots in our hearts for K-State and for K-State engineering," Tointon said. "If I had not graduated from there, I would not be here looking over the mountains. The combined academic and extracurricular experiences I had as a student helped me as I ventured into my career."

As a student at Kansas State University, Robert Tointon was Engineering Council president; editor of the *K-State Engineer* student magazine; and a member of the Sigma Tau, Blue Key and Tau Beta Pi. Both he and Betty were members of the Mortar Board honorary society.

"Scholarships are important," Tointon said. "In my case, I may not have finished my schooling without the scholarships I received."

K-State Engineer *continues winning ways*

By Lisa Elliott

The *Kansas State Engineer*, a magazine produced by engineering students at Kansas State University, kept up its winning tradition at the 1995-96 conference of the Engineering College Magazines Associated April 11-13 in Minneapolis.

The *Kansas State Engineer* received third place for best editorial writing in all editions and the best pure technical article. It also received honorable mentions for the best single issue, best article for general scientific background and most entertaining feature article.

Jim Agniel,1995-96 managing editor and senior in electrical engineering and Jeffrey Stueve, spring 1995 managing editor and senior in electrical engineering, wrote the award winning editorials.

"The engineering students do all the production work from writing the articles to selling ads and laying out the pages themselves," Agniel said. Around 35 students produce the *K-State Engineer*.

"I feel that its an excellent opportunity for students to get involved in activities where their motivation takes a key role in the outcome of a product," Stueve said.

Two other students received awards for their writing for the K-State Engineer.

Darin Genereaux, sophomore in electrical engineering, received third place in the Best Pure Technical Article for technology background. Bret Grabbe, senior in electrical engineering, received honorable mentions for an article with a general scientific background and for most entertaining feature article.

K-Staters win congressional scholarships

By Beth Bohn

Two KSU engineering students are among the first winners of a new congressional scholarship honoring former Congressman Morris K. Udall of Arizona.

The Udall Scholarship, valued at $5,000, is open to college sophomores or juniors preparing for careers related to the environment or related to Native American health care or tribal public policy, all causes championed by Udall. Fifty-five scholarships are awarded annually to a recipient from each state, Washington, D.C., and the U.S. territories.

K-State winners include the Kansas recipient, Steve L. McGinnis, a sophomore in environmental engineering and the Nebraska recipient, Stefanie Ann Huff, a sophomore in biology.

"Earning two Udall Scholarships in the program's inaugural year speaks highly of Kansas State University and the quality of our students," said KSU President Jon Wefald. "Not only is it an honor to have two students among the first recipients of this prestigious scholarship, it also solidifies K-State's place as the leader among public universities in producing student scholars."

K-State students also earned a Marshall, a Truman and four Goldwater scholarships—all among the premier national scholarships—during the 1995-96 school year.

McGinnis, who also is working on a secondary major in natural resources and environmental sciences and a minor in political science, wants to earn a doctorate in environmental engineering. His goals are to conduct research in environmental engineering at the university level, and to use his research and engineering expertise shaping public policy that will protect the nation's natural resources. He is a member of the engineering honors program, a KSU Foundation Scholar and a KSU Dean of Engineering Scholar.

Huff plans to attend medical school to pursue a career in environmental medicine. Alternates for the scholarships also were selected by the Udall Foundation. They include K-State students Laura Bathurst, junior in anthropology and modern languages, and Jason Cole, junior in philosophy and political science.

ASEE honors three KSU engineers

Three KSU engineering professors have been recognized by the American Society for Engineering Education.

Kenneth K. Gowdy, associate dean, was named an ASEE fellow during the association's annual meeting in Washington, D.C., in June.

ASEE bestows the membership grade of fellow on individuals "with extraordinary qualifications and experience in engineering education who have made particularly important contributions to the field." No more than one-tenth of one percent of the ASEE membership can be named fellows in one year.

Also during the annual meeting, ASEE presented James E. DeVault, professor or electrical engineering, its John Fluke Award for Excellence in Laboratory Instruction. ASEE presents only two Fluke awards annually for "outstanding contributions in providing and promoting excellence in experimentation and laboratory instruction.

And Rodney Fox, professor of electrical engineering, attended the conference as the winner of the Dow Outstanding New Faculty Award for ASEE's Midwest section.

ASEE was founded in 1893. It has about 11,000 individual members and 330 institutational members.

Kyle and Konz retire from faculty

Two faculty members retired from the college of engineering at the close of the spring semester, Benjamin G. Kyle and Stephan A. Konz.

Kyle's retirement closed 38 years of teaching and research in chemical engineering.

He joined K-State as an assistant professor of chemical engineering in February 1958 — immediately after receiving his Ph.D. — and has been here since.

As a researcher, he made significant contributions to the area of phase equilibrium. His research led to the publication of a number of high quality refereed journal articles.



Benjamin Kyle

Kyle's creative mind and strong urge to conserve our most precious commodity, energy, led him to invent a low-energy process for producing gasohol, for which he was granted a U.S. patent. Kyle also contributed substantially to his department's graduate committee since its inception.

In spite of his extensive research and administrative contributions, Kyle was best known in his department as the standard bearer of excellence in teaching. Since joining the department, he taught undergraduate and graduate courses in chemical engineering thermodynamics continually. The vigor of these courses implanted fear in the minds of many students. He is the author of the most "teachable" and readable textbook, Chemical and Process Thermodynamics.

Konz retired after 32 years of teaching, research and service to KSU.

"He earned the respect of his students, colleagues and fellow researchers for his outstanding teaching, high standards of scholarship and his dedication to the development of ergonomics and industrial engineering.

Konz is the author of two undergraduate textbooks, Facility Design: Manufacturing Engineering (two editions) and Work Design: Industrial Ergonomics (four editions). Both books have also been published in Spanish. The Work Design textbook is used in more universities than any other book in its field.

During the course of his career, Konz published more than 200 papers in journals and conference proceedings. He also made more than 200 technical presentations. He was awarded a patent for his work to develop a dry ice garment.



Stephan Konz

Konz has been recognized both locally and nationally as an outstanding educator. He is a fellow of the Human Factors Society. He serves on the editorial board of three professional publications: IIE Transactions, Ergonomics and the International Journal of Industrial Ergonomics. He edits the newsletter of the Industrial Ergonomics Association, which is the umbrella organization for all national ergonomics societies. He also serves on the U.S. subcommittee on ergonomics for the International Standards Organization.

"We appreciate Ben Kyle's and Steve Konz's accomplishments as teachers and researchers," said Dean Don Rathbone. "We will miss their dedicated service to the departments of chemical and industrial engineering and to KSU."

New K-State natural gas laboratory receives $1.5 million

Kansas State University has received cash and equipment worth $1.5 million to support the development of technology that will improve natural gas delivery to North American homes and businesses.

The research will be conducted in the newly formed National Gas Machinery Laboratory (NGML), which will provide research data on large-bore reciprocating engine turbochargers used in natural gas transmission. The NGML will be located on the campus of K-State's College of Technology in Salina.

Three members of the college of engineering's mechanical engineering department at Manhattan will direct the lab: Bruce Reichert, who has experience in working with rotating equipment; Peter Gorder, who specializes in control systems; and Kirby Chapman, who develops and implements strategies to reduce engine-generated emissions.



Bruce Reichert

Natural gas is transported through pipelines to all regions of North America. Every 150 miles or so, a compressor station pumps the gas further down the pipe. The stations are powered by turbocharged engines ranging from 1,000 to 10,000 horsepower. Turbocharger research at the NGML will help the natural gas transmission industry operate these engines at optimum efficiency while minimizing pollutant emissions.

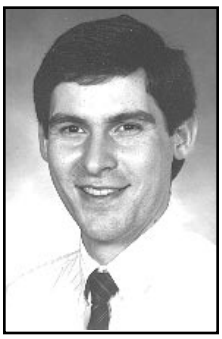
The cornerstone of the laboratory will be six gas turbine engines, including three compressor packages worth $940,000 from ANR Pipeline Co., a subsidiary of the Coastal Corp. in Detroit. Additional funding has been received from the Gas Research Institute, $300,000, and the Kansas Technology Enterprise Corp., $600,000; and Enron Corp., $50,000. Cooper-Bessemer, Dresser-Rand and Louisiana Compressor Maintenance, and several other natural gas pipeline companies have indicated their intent to support construction of the laboratory infrastructure.



Peter Gorder

"The National Gas Machinery Laboratory will become a world-class research site to help maximize operation of turbocharged engines that power the nation's natural gas delivery system," said Chapman. "Billions of cubic feet of gas are transported via tens of thousands of miles of pipeline annually. Improving gas production and operating efficiencies will directly benefit the Kansas economy."

The laboratory will be completed in phases. Phase 1 construction of the turbocharger test and research facility is in progress, and the first test is expected by year's end, Chapman said.



Kirby Chapman

Larry W. Smith (CE '43) has moved to a retirement community in Liberal, Kan., from Dixon, Ill.

Arthur C. Cotts (EE '49, MS '50), Silver Spring, Md., recently received an award from the National Capital Area Council of the IEEE "for his efforts as chair of the conference committee and the success of the RADAR 95 Conference."

G. R. Whitcomb (AgE '52), DeWitt, Ark., retired from teaching at the local high school but does not plan to "retire." He is going back to school for a couple years to get his air frame and powerplant certification. Though not having flown for 21 years, he now owns one-third of a Cessna 172 and is on the airport commission. Since graduating he has been an Air Force fighter pilot for six years, worked in industry and taught at the high school and vo-tech levels.

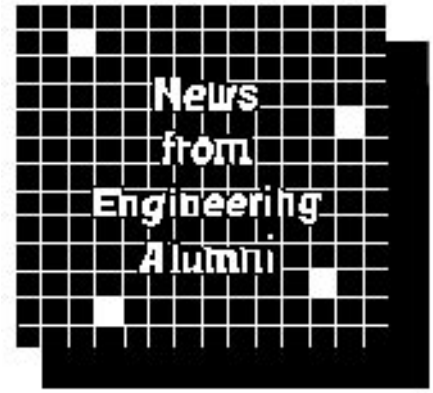
Sam W. Sinderson Jr. (ChE, NE '56), Pittsburgh, Pa., reports that he has been with Westinghouse for 40 years and plans to retire in April 1998. In July he traveled to the Philmont Scout Ranch to go backpacking for the sixth time.

Frank E. Green (CE '58), Kansas City, Mo., retired from the Missouri Department of Highway and Transportation in March after 38 years in the Design Division of the Kansas City district office.

Gilbert F. Selsor (EE'58) reports that he is the semiretired president of Missile Systems Inc., which he founded in 1981 for manufacturing aircraft and missile parts for the aerospace industry. Gilbert says the best days are now spent fishing the lakes of Kansas in the summer and those of Texas in the winter. At last count he had 39 fishing rods, some of which are treasured and retired antiques. He lives with his wife, Debra, near Wichita, Kan. He has three daughters and three sons, one of whom has a bachelor's in EE.

Ronald R. Sibbitt (CE '58) retired in September 1995 after 38 years in design with the Missouri Highway and Transportation Department in Kansas City, Mo. He and his wife Vickie live on a 63-acre farm near Harrisonville, Mo. He is enjoying playing golf and living in the country.

John W. Stites (EE '59), Valencia, Calif., was promoted to senior vice president and general manager of Comant Industries Inc. Jan. 1. Comant manufactures airborne antennas for general aviation and commercial aircraft. John has been with Comant three years.



Kenneth A. Brewer (CE '60, MS '61), Ames, Iowa, has been reappointed to a second three-year term on the Iowa Engineering and Land Surveying Examining Board. He is the board chair for 1996-1997.

Norman E. Deiter (EE'61) and his wife Marian both retired from the Boeing Co. at Wichita, Kan., July 1, 1995. After a 34-year career, Norman retired as a program manager.

George Schneider (ME '62) Greenville, S.C., has had to curtail activities with ASME and the South Carolina council due to a heart attack Nov. 27, 1995, and two light strokes in February and March, 1996. The doctor promises a 98 percent recovery with therapy three times a week, plus losing weight and taking proper medication. George says he feels good and hopes the Doc is right.

Edmundo R. Gonzalez Jr. (CE '64) has been appointed to serve a six-year term as a member of the Texas State Board of Registration for Professional Engineers. He is president and owner of Gonzalez Engineering & Surveying Inc. in Brownsville. He is a past member of the Consulting Engineers Council of Texas. He and his wife Peggy reside in Brownsville.

Warren K. (Kent) Wray (CE '68) became dean of the Russ College of Engineering and Technology at Ohio University, Athens, Aug. 1. He has been a professor and department of civil engineering chair at Texas Tech University, Lubbock, since 1990.

Edward L. Vodopest (ME '72), Kennewick, Wash., completed his MBA at Washington State University in 1996. He has also been elected vice-president of district 9 of the ISA, the international society for measurement and control. As such he will serve on the ISA executive board.

Wayne Buhrer (ME '75) recently relocated to Houston as a senior project engineering specialist with Phillips Petroleum Co. He has been with Phillips since 1980 and, until this move, was located in Bartlesville, Okla. Stephanie G. Grossnickle Buhrer (BA '76) is at home with their sons Chris and Brian.

Glen Fulkerson (EE '75) recently completed an M.S. in computer information systems at the University of Phoenix. He has been with Lockheed Martin for 15 years and is currently a senior systems engineer in Colorado Springs, Colo.

Sid Hoobler (IE '75) continues to live in Maple Hill, Kan., and work for Hallmark Cards in Topeka as the maintenance and engineering manager. He would like to hear from December 1974 and December 1975 grads.

John C. Mein (EE '75) has just joined Galileo Technology, a Silicon Valley startup, as director of technical sales. Galileo is a silicon manufacturer with a design center in Israel and sales headquarters in San Jose, Calif. Galileo designs core logic for RISC microprocessors and switched-Ethernet controllers. John says the company relies heavily on the Internet for intra and intercompany communications for customer support.

Rafael F. Davila (AgE '78), Caguas, Puerto Rico, is an extension specialist at the University of Puerto Rico.

Willian Scott Dodge (ME '79) has been transferred to Houston as a senior petrophysicist for Exxon Exploration Co. after five years in Melbourne, Australia, with Esso.

Thomas E. Gates (CE '79, MS '81), Richland, Wash., was selected to be included in the 51st edition of Who's Who in America. He was also listed in Who's Who in Science and Engineering and Who's Who in the World. He manages the Tri-Cities' office of Sonalysts Inc. Sonalysts is an employee-owned company that provides services in applied engineering, technical management and multimedia applications.

Doran Morgan (ME '83) and his wife Kristina (Herman) (BA '86) report the birth of their second child, Adriel Elizabeth May 18. Kristina is a full-time homemaker and Doran is a manufacturing engineer with Lexmark, supporting production of toner cartridges for laser printers.

Thomas A. Trabue (ARE '83) has

formed Trabue, Hansen & Hinshaw Inc., a 15-member civil, structural and environmental consulting engineering firm. Located in Columbia, Mo., it serves municipal and private clients throughout Missouri.

Mark Alsalih (ET '84), Dubai, United Arab Emirates, announces the birth of his son, Omar Alsalih Nov. 22, 1995. Mark is the general manager of Armstrong Ventures Inc., a subsidiary of Armstrong World Industries. He is on assignment in Middle East, in charge of marketing and sales in more than 30 countries.

Edwin A. Betancourt (IE '85), Caguas, Puerto Rico, has been promoted to plant manager at the Baxter Aibontio Facility.

Arif M. Kazmi (CE '85), Chandler, Ariz., has been promoted to the position of manager, Traffic Design Section, Arizona Department of Transportation, Phoenix.

Kathleen Powell (CS '85) spent six years as a software design engineer for Hewlett-Packard but recently switched to a program manager position in HP's video communications division. She is also a founder and board member of CineQuest, the San Jose Film Festival. She has produced two feature films.

Jeffrey Cross (ChE, '86) recently completed a National Science Foundation postdoctoral fellowship at Fujitsu Labs in Atsugi, Japan. He has recently accepted a position at Fujitsu Labs as a staff researcher.

Todd Moody (EE '86), who recently married Jane Meister, has been promoted to chief of the electrical/avionics department at Learjet Inc., Wichita, Kan. Todd and Jane are expecting their first child in November.

Michael J. Hessman (ARE '88) has joined Shive-Hattery Inc. in Cedar Rapids, Iowa. A mechanical engineer, he has been assigned to the company's industrial team.

David M. Todd (ME '88) has been promoted to Planning & Research Analyst-Lubricants Marketing, and has transferred to Houston, Texas, with Conoco Inc. David, wife Suzanne, and daughter Jessica have moved from Billings, Mont. David has spent the past six years as a plant engineer at Conoco's Billings Refinery. The Todds will be living in Katy, Texas, just west of Houston.

Scott Burgett (EE '89), Albuquerque, N.M., and his wife Pam (Acctg. '89) report the birth of their second son, Troy Isaac, on June 14. He was welcomed home by his two-year-old brother, Luke.

David "Fred" Haake (ARE '89), Merriam, Kan., and his wife DeAnn (Mktg '88) announce the birth of their second child, Erica Nicole, May 13. David has also been promoted to associate with Henderson Engineers, Lenexa, Kan.

Jeff T. Vandel (ARE '89) and **Kathi S. Robertson (ARE '89)** were married on Oct. 14, 1995. Jeff is a mechanical engineer for Gibbens Engineering, Raytown, Mo. Kathi was recently promoted to associate at Henderson Engineers Inc., Lenexa, Kan., where she is an electrical engineer and project manager. They make their home in Parkville, Mo.

Dave Husted (IE '91), Wichita, Kan., and his wife Roxanne (Jones) (Adv. '90) announce the birth of their first child, a boy, Evan David on Jan. 17. Dave is a process engineer for Boeing. He received his MBA from Webster University in May 1996.

Vince Masilionis (EE '91) married Amy Stremming on July 22, 1995. Amy is a kindergarten teacher at Our Lady of Unity Catholic School, Kansas City, Kan. Vince was recently promoted to associate at Henderson Engineers Inc, Lenexa, Kan. Vince designs commercial building electrical systems and is the manager for projects in Indonesia, China, Mexico, USA and Puerto Rico.

Doug Sommers (IE '92) and his wife Shannon, Augusta, Kan., announce the birth of twins, a son, Nathaniel Joseph, and a daughter, Locan Nicole, April 16. Doug is the safety director for Ritchie Corp., Wichita.

Rick Wright (CE '92), San Diego, Calif., is currently working for Sverdrop/ICF Kaiser as a resident engineer managing the construction of a 9 million gallon, reclaimed water storage tank and pump station facility in San Diego.

Wayne Gudenkauf (CE '93), Olathe, Kan., and his wife, Kimberly, announce the birth of their first child, Tyler Grant, April 28. Wayne is a senior highway designer with the Missouri Highway and Transportation Department in Kansas City, Mo.

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What's new with you?

We'd like to know—and so would your former classmates. Please take a few minutes to jot down job changes, professional or other activities, your retirement or remembrances you'd like to share. Use this form, or write to Mike Dorcey, the editor of *IMPACT*, using one of the addresses below.

Name

Major/Class year

Address

News for IMPACT

Send to *IMPACT* Editor, by mail to ● Engineering Extension, Kansas State University, 133 Ward Hall, Manhattan, KS 66506-2508; by e-mail to ● mdorcey@oz.oznet.ksu.edu; by fax to ● 913-532-6952

K-State student recognized with WISE internship

By Natalie Yakel

Through internship opportunities, a KSU student was among 12 honorees selected nationwide to participate in the Washington Internships for Students of Engineering program this summer.

Russell Fortmeyer was K-State's 19th WISE winner since 1985, when the program began. K-State ranks first nationally in the number of interns selected.

Fortmeyer, a junior in architectural engineering, spent 10 weeks in Washington, D.C., gaining knowledge of how engineers contribute to public policy decisions on complex technological matters. He was sponsored by and worked with the National Society of Professional Engineers.

Activities that Fortmeyer has been involved in at K-State included being a student senator for the College of Engineering, a columnist and staff writer for the Kansas State Collegian student newspaper and a member of the National Society for Architectural Engineers.

By attending meetings and through discussions with government officials and other policy-makers, the interns are expected to complete a position paper that analyzes specific engineering public policy issues of concern to their sponsoring society.

The WISE interns will be under the guidance of a nationally prominent engineering professor and receive three credit hours. A stipend of $2,800 is provided, along with travel allowance.

The WISE program is listed in the Princeton Review director of "America's Top 100 Internships," a book based on interview with former WISE students, sponsoring societies and deans.

Japanese society honors Fan

L.T. Fan, university distinguished professor and head of chemical engineering, has been elected an honorary member of The Society of Chemical Engineers, Japan.

Fan received a certificate and a set of three commemorative silver cups engraved with the date of election, statement of the membership, and Society's name.

Fan is only the fourth non-Japanese to receive this honor in the 60-year history of the society.

Alumni news

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Deaths

William V. Gough (ME '37), Hendersonville, S.C., died March 23. He was retired from General Electric. He is survived by his wife, Gretchen.

Melvin W. Crawford (ME '44) died at his home in Clarksville, Md., June 20. He had been a cattle farmer and a civilian mechanical engineer with the U.S. Navy, working at its Naval Surface Weapons Center in White Oak at the time of his retirement. He had also done some consulting work after retiring. He is survived by his wife Marjorie and three sons.

Laurence A. "Larry" Peck (CE '58), Sapulpa, Okla., died May 18. He was employed as an asphalt marketing manager for Koch Materials Co., Tulsa, at the time of his death. He is survived by his wife Nelva, two daughters and three grandchildren, his father and three brothers.

Rodger L. Leupold (NE '59), Potomac, Md, died May 1. He is survived by his wife Monica.

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