



IMPACT

newsletter of the kansas state university college of engineering

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LeRoy Paslay



Robert G. Tointon

Can You Help?

The College of Engineering has received a \$375,000 grant from the U. S. Department of Education for purchase of equipment for a computerized manufacturing system.

The equipment will allow the College to greatly improve its computerized design and manufacturing laboratories, said Dean of Engineering Donald E. Rathbone.

Under terms of the grant, the College must provide \$375,000 in matching funds. This will make it possible to complete the acquisition of a full-scale facility that will allow for computerized manufacturing of a product from the design end to the final stages of production.

"The new equipment will make us second to none in laboratory facilities for manufacturing," Rathbone said. "But we must acquire the matching funds, and these will have to come from private sources."

In addition, because of recent severe budget cuts at the state level, the College is having to look for other sources of revenue to maintain existing programs and provide new ones, Rathbone said. Among these are scholarships, professorships, a leadership institute and recruitment. (See funding needs, p. 8.)

"The budget cuts have been disastrous," Rathbone said. "We have tried to protect our programs, but the cuts obviously will impact our labs over time." The cuts have meant limited funds for operating expenses and equipment, and loss of graduate support.

Last fall the College received a \$.5 million automated pallet assembly system, a gift from Control Data Corp. It was the first phase of equipment for the automated manufacturing system for which the matching funds are being sought.

The new equipment will be used for both teaching and research. This will include research being done through the Center of Excellence in Computer-Controlled Automation.

Two graduates selected for honors

Honorary doctorate

LeRoy C. Paslay, inventor, philanthropist and 1930 KSU graduate in electrical engineering, received an honorary doctorate from the University in December.

Paslay, of Manalapan, Fla., began his engineering career with General Electric Co. He returned to KSU as an assistant professor of electrical engineering while pursuing a master's degree, which he received in 1934.

In 1936, Paslay became vice president and director of research for the National Geophysical Co., Dallas, Tex. In 1942, he was named director of the Underwater Sound Division of the Naval Ordnance Laboratory, where his work won him the U. S. Navy Distinguished Civilian Service Award.

From there, Paslay went on to form his own companies as manufacturer and distributor of underwater sound devices. His pioneering accomplishments as the principal developer of the Marine Seismic Steamer, a recording device, earned him the Society of Exploration Geophysicist Medal Award for 1976.

Paslay has used his professional skills in many volunteer positions at local and state levels. He was given a Distinguished Service Award from the College of Engineering in 1982. He and his wife, Aileen, have supported numerous scholarship and other programs in the College of Engineering. The 180-seat lecture hall in Durland Hall bears his name.

Distinguished Service Award

Robert G. Tointon, president of Phelps, Inc., Greeley, Colo., received a Distinguished Service Award from the College of Engineering in December. He is a 1955 graduate in civil engineering.

Tointon has been engaged in general contracting since graduation, except for three years as a pilot in the U. S. Air Force. He joined Hensel Phelps Construction Co. in 1963. He was elected vice president of the company in 1964 and president in 1975.

In 1982, Tointon was named president of the newly formed Phelps, Inc., an employee-owned holding company which owns and provides services for Hensel Phelps and three other companies. Combined volume of the companies exceeds \$400 million.

The Distinguished Service Award recognizes contributions to the community, the engineering profession and KSU. Tointon is a trustee for the KSU Foundation and a number of other educational foundations. He is a director of Mountain Bell, Colorado Alliance of Business, Colorado Business Committee for the Arts and two banks. He has current or past affiliations with many other civic, arts and business organizations.

Making the Gift of a Scholarship

Ed. note: This is the second in a series of three articles on establishing a scholarship at Kansas State University.

The KSU Foundation currently administers about 1,000 scholarship funds, including those in the College of Engineering. Each is tailor-made to match the donor's specifications. Donors of engineering scholarships, therefore, need to specify what the funds are to be used for.

Gifts used to establish a scholarship can be separated into three categories: outright gifts, life income gifts and testamentary (after death) gifts.

Cash is the most common type of outright gift. Others include appreciated assets, closely held stock and life insurance.

Ruff Loan Fund

A student loan fund honoring a longtime Southwestern Bell Telephone Co. employee and his wife has been established at Kansas State.

The Mr. and Mrs. Henry Ruff Loan Fund will benefit students in electrical and computer engineering or mechanical engineering. Funds have been provided by the Ruffs with matching funds from Southwestern Bell. Ruff, a 1932 graduate of KSU in mechanical engineering, had been employed by the company for 39 years. He retired as outside plant engineer in Wichita.

Ruff said the fund is a tribute to "the memory of some fine teachers and to the Alumni Association's loan program which loaned me money to complete my degree." The fund will be managed by the KSU Foundation.

Goering Scholarship

The Gordon and Joyce Goering Engineering Scholarship Fund has been established to benefit graduate students in the College.

The permanent endowment, which will be managed by the KSU Foundation, was set up with \$12,000, including a gift from the Goerings and a matching gift from Phillips Petroleum Co.

Scholarships from the fund will be awarded to graduate students in chemical engineering or related fields such as alternate energy or natural resource conservation.

Goering received a B.S. in chemical engineering from KSU in 1945. He is a retired senior vice president of Phillips Petroleum. He is a recipient of a College of Engineering Distinguished Service Award and a KSU Alumni Medallion and is a former chairman of the Engineering Advisory Council.

Life income gifts often involve property. The Foundation sells the property and places the proceeds in a trust. Income from the trust is directed to the donor. At the donor's death, the corpus is used to finance a scholarship fund.

Testamentary gifts are made through a planned giving instrument like a will, trust or annuity. An example is property with a retained life estate. Such a gift eliminates estate taxes and settlement costs, provides immediate tax benefits and allows the donor to use the property during his or her lifetime.

According to state law, gifts given directly to Kansas State become the property of the state and are placed under its juris-

dition. Gifts given to the KSU Foundation, however, are used exclusively for the benefit of the University and are not state controlled.

The KSU Foundation is authorized by the U.S. Treasury Department to issue receipts certifying gifts as tax deductible in determining federal and state income taxes. Bequests to the Foundation are exempt from federal estate taxes and Kansas inheritance taxes; the latter includes exemptions in other states with reciprocal inheritance tax laws.

The KSU Foundation does not offer legal advice. But Foundation officials will meet with you and your legal advisor to create the most beneficial program.



Student members of the American Nuclear Society spent four Saturdays this semester preparing Boy Scouts and Explorer Scouts for merit badges in nuclear energy. The project gave KSU students a chance to work with young people and apply what they have learned, said ANS President Bruce Letellier. Faculty advisor Hermann Donnert is a certified merit badge counselor.

Why locate a business in Kansas?

Expansion magazine lists eight reasons why a business should consider locating in Kansas:

- Right-to-work state
- Centrally located, with 30 percent of the effective national buying income within 500 miles
- Home to 183 Fortune 500 companies, with 330 facilities

Worker productivity well above the national average; \$4.69 value added per production worker

More than 7,000 miles of track traveled by 14 railroads

More than 9,000 highway miles, ranked third in the nation

125 public and 250 private airports
One of the world's largest deposits of natural gas at the Hugoton gas area

College welcomes 6 new faculty members



Robert Lamb



Clarence Waters



Kenneth H. Carpenter



Medhat Morcos



Donald Fenton



Daniel Swenson

The College of Engineering welcomed six new faculty members in the fall.

New in civil engineering is Robert Lamb, assistant professor. Lamb has been a practicing civil engineer in the public and private sectors for 13 years. He is a 1966 graduate of the University of Wyoming. He received an M.S. from Iowa State University in 1981 and a Ph.D. in geotechnical engineering from Iowa State in 1985. His specialty is geotechnical engineering, with research emphasis in soil behavior.

New in architectural engineering and construction science is Clarence Waters, an instructor. Waters received a B.S. in architectural engineering from KSU in 1978. He has experience in engineering consulting, and is teaching in the areas of lighting and electrical systems.

New in electrical and computer engineering is Kenneth H. Carpenter, a professor. He received B.S. and M.S. degrees in electrical engineering from KSU in 1961 and 1962 and a Ph.D. in physics from Texas Christian University in 1966. His teaching area is electromagnetics and his research emphasis is in fusion plasma diagnostics and electromagnetics. He previously taught at the University of Missouri-Rolla.

Medhat M. Morcos is an assistant professor in engineering technology. He is a retired lieutenant colonel in the Egyptian A.F. and his last appointment was as associate professor at the Egyptian Air Academy. Morcos received B.S. and M.S. degrees in electrical engineering from Cairo University in 1966 and 1978. He received a Ph.D. from the University of Waterloo in Ontario, Canada, in 1984. He is teaching electronics and controls.

Donald L. Fenton is an associate professor in mechanical engineering. Daniel V. Swenson is an assistant professor in the department.

Fenton is a 1969 graduate of KSU in mechanical engineering. He received M.S. and Ph.D. degrees from the University of Illinois in 1970 and 1974. He formerly taught at New Mexico State University and

has extensive consulting experience. His teaching and research interests are in thermal science.

Swenson was employed at Sandia National Laboratory before coming to K-State. He received a B.S. in mechanical

engineering from KSU in 1972, an M.S. from Carnegie-Mellon University in 1978 and a Ph.D. from Cornell University in 1986. His teaching and research specialties are machine design and rock mechanics.

Awards, achievements are noted

W. Johnson assumes office

William H. Johnson, director of the Engineering Experiment Station, has been installed as head of the American Society of Agricultural Engineers. Johnson is an ASAE Fellow and former head of the Department of Agricultural Engineering at KSU. He has B.S. and M.S. degrees from Ohio State University and is a distinguished alumnus of the Ohio State College of Engineering. He has a Ph.D. from Michigan State.

Johnson joined ASAE in 1949 and has held a variety of technical and administrative assignments. He is author of many articles on harvesting and soil-plant dynamics and is coauthor of a book on harvesting.

Johnson gets KEURP chair

Gary L. Johnson, professor of electrical and computer engineering, is the first recipient at Kansas State of a chaired professorship sponsored by the Kansas Electrical Utilities Research Program. The award is accompanied by an annual salary supplement of \$8,500 for a period of five years. Johnson is widely known for his research in electric and wind energy.

Fan honored

L. T. Fan, professor and head of chemical engineering, was first recipient of the Inoya Award, given by the Society of Powder Technology, Japan. The award recog-

nizes scholarship, research and international cooperation in the field of science and technology. Fan, a noted inventor and an authority on particulate technology and systems engineering, has traveled throughout the world as an invited professional conference participant.

Tillman is IIE Fellow

Frank A. Tillman, professor and head of industrial engineering, has been named a Fellow of the Institute of Industrial Engineers. Tillman, who has been active in the field of reliability and optimization, was credited with service to his profession "through his actions, lectures and writings." He has been a member IIE for more than 20 years.

Morcos gets IEEE honor

Medhat M. Morcos, assistant professor of engineering technology, has been elected a senior member of the Institute of Electrical and Electronics Engineers, Inc. Morcos is among 10 percent of IEEE members who have achieved what is the highest professional grade for which application can be made.

Spillman 'Engineer of Year'

Charles K. Spillman, professor and head of agricultural engineering, was
See Faculty, p. 4

Faculty, from p. 3

named "Engineer of the Year" for 1986 by the Kansas Section of the American Society of Agricultural Engineers. Spillman, a specialist in animal housing, is widely recognized for his work in advancing the knowledge and science of farm buildings.

Koelliker gets AT&T award

James Koelliker, professor of civil engineering, received the AT&T Award for Outstanding Faculty Member, given by the Midwest Section of the American Society of Engineering Education. Koelliker is a specialist in water quality and water resources and has made many contributions in the search for solutions to water problems in Kansas.

Burton is AMOCO honoree

Charles Burton, professor of architectural engineering and construction science, received the University's AMOCO Award for Outstanding Undergraduate Teaching. Burton, who developed the mechanical and electrical systems courses in his department, has received a number of other teaching honors.

Donations still welcome

Engineering students were manning the phones March 1-5 for the annual Telefund. Those who missed the call may still make donations.

The Telefund is an all-University event, with dates set aside for student volunteers from each college to call their own alumni, asking for contributions for scholarships and other programs.

Checks may be mailed to Telefund, College of Engineering, Durland Hall, Kansas State University, Manhattan, KS 66506. Please specify if there is any particular program you wish the funds to be used for. Also, be sure to check with your employer about matching funds.

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Dean of the College

Dr. Donald E. Rathbone

Director, Engineering Experiment Station

Dr. William H. Johnson

Impact Editor

Carolee Stark



K-State students accepted their 7th first-place award this winter in the annual design competition co-sponsored by the American Society of Agricultural Engineers. Presenting the award was another K-Stater, William Johnson, director of the Engineering Experiment Station and president of ASAE. From left are members of the winning team: Gary Sweany, from LaHarpe; Craig Good, Dennis; and Allan Burk, McDonald.

Ag engineers still on winning trail

Ag engineering students have continued their winning tradition by taking first place in national design competition.

The K-Staters won top prize for "Smooth Sprayer," a suspension system designed to reduce boom "bounce" in a field sprayer. The device was one of two K-State entries that qualified for the annual contest sponsored by Deutz-Allis Corporation and the American Society of Agricultural Engineers.

Kansas State has won seven national first prizes in the ten years of competition and has consistently ranked at or near the top at the regional level.

The Smooth Sprayer is an air-shock suspension system for a boom-type field sprayer. With the suspension system, the sprayer can be kept at a more uniform height to allow for more even application of chemicals.

Projects entered in the contest are part of a class in agricultural engineering design, taught by Stan Clark and Mark Schrock.

Schrock said the class stresses the team approach to design. But, "We don't dictate the project. The students initiate the idea. This makes them more enthusiastic, since the project usually relates to a problem they are familiar with."

Under contest rules the students must build a prototype of their devices, submit a

written report with methodology, calculations and a complete set of plans, and present an oral report on their work.

Designers of the Smooth Sprayer were Allan G. Burk, from McDonald; Craig L. Good, Dennis; and Gary W. Sweany, LaHarpe.

More student awards

Paul Johnson, graduate student in mechanical engineering, was the first recipient of the Amoco Masters Fellowship. Accompanying the award was a \$7,000 grant to cover expenses for the 1986-87 school year. Johnson, from Sedgwick, is a 1984 KSU graduate in mechanical engineering. Faculty advisor is Ralph Turnquist.

Nanda Kaushik, graduate student in mechanical engineering, received a \$6,000 grant-in-aid from the American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. Kaushik is a native of India and has an M.S. degree from K-State. He will be working on his Ph.D. His research is in the area of heat transfer, with Naim Azer as faculty advisor.

See Students, p. 8

Here's the news from engineering alumni



Floyd I. Jones



Leroy K. Pickett



R. E. Huebner



Thomas A. Carlisle

Jesse H. "Jay" Neal (AgE '24), professor emeritus of agricultural engineering at Auburn University, was honored for his teaching with a reception and unveiling of his portrait commissioned by the Alabama Section of the ASAE. The portrait will hang in the engineering building at Auburn. Neal and his wife, Mary, also were honored recently by the county chapter of the American Society of Retired Persons for their efforts in establishing the chapter.

Herbert A. Rose (EE '24, ME '25), Bellevue, Wash., says he is "still going strong," having retired seven years ago from Westinghouse Corp. after 50 years with the company. He was on the atomic bomb project for two years.

Louis W. Baily (EE '28), Oroville, Calif., says he made his 7th "hole in one" in 1985. Congratulations!

Edward A. Houser (CE '36), Chapel Hill, N.C., retired in 1973 as vice president and general manager of McKee de Mexico, a Mexico City based engineering company specializing in oil refineries and chemical plants. Houser is married to the former Lois King, home economics class of 1937.

Elvin A. Thompson (EE '37), Hermitage, Pa., retired in 1975 after 38 years at Sharon Medium Power Division where he was a tester designer, supervisor and senior engineer, traveling the U.S. working on substation apparatus and doing troubleshooting.

Raymond Hook (ME '41), Clarksville, Va., retired from Naval Air Systems Command in Washington, D.C., in 1975 after 30 years of government service. His work spanned development of aircraft and missiles, weight prediction methods and proposal evaluations. He was elected a Fellow of the Society of Allied Weight Engineers in 1975 and served as a Navy cargo officer in the Pacific during WW II.

John G. McEntyre (CE '42, M.S. '48) retired in June from Purdue University after 40 years of teaching, 17 of them at Kansas State. He earned a Ph.D. in land surveying from Cornell University in 1954 and eventually gained an international reputation for his expertise and his contributions in that area. McEntyre taught at KSU from 1946 to 1963.

Marion A. Miller (AgE '42), Indianapolis, Ind., has retired from Fisher Division after 32 years with General Motors Corp. He was director of production engineering at the Anderson, Ind., facility, whose products include lighting assemblies and flexible bumper systems.

Robert E. Schreiber (EE '43), Garden City, has sold his automobile dealership and has retired.

William R. Kimel (ME '44, M.S. '49) has retired as dean of engineering at the University of Missouri, Columbia. Kimel was a faculty member at KSU from 1946 to 1968. He received his Ph.D. from University of Wisconsin in 1956. While at KSU Kimel became interested in nuclear technology which led to his position here as head of what was the first nuclear engineering department in the U.S. Kimel has held office in numerous professional organizations, including that of president of the American Nuclear Society.

James E. Swafford (EE '45), Tucson, Ariz., retired in 1984 from Hughes Aircraft Co. as department manager, Missile Systems Division. He's now enjoying travel, golf and amateur radio (W7FF).

Leo Shapiro (ME '46) retired from Rockwell International and has joined Textron Marine Systems Division in New Orleans as director of program planning and control.

Floyd I. Jones, P.E. (EE '49), traffic engineer for the City of Madison, Wis., received the Professional Engineer of the Year in Government Award from the Wisconsin Society of Professional Engineers.

William E. Harper (EE '50) is manager of product engineering, high voltage circuit breakers, at Siemens Energy & Automation, Inc., Jackson, Miss. He headed the U.S. delegation to the International Electrotechnical Commission Committee on Switchgear and Control Gear; is chairman of NEMA committees on circuit breakers and switchgear and is a member of the IEEE Switchgear Committee.

David A. North (EE '61), Sacramento, N.M., was recently selected as manager/director of Sacramento Methodist Assembly, primary conference and retreat center for the New Mexico Conference of the United Methodist Church.

Leroy K. Pickett, P.E. (AgE '61), senior project engineer at J. I. Case, Hinsdale, Ill., has been elected technical vice president of the American Society of Agricultural Engineers. He has 24 years of experience in research, design, test and development of agricultural equipment and is now responsible for new development of Case International axial flow combines.

Lt. Col. Ray E. Huebner, USMC (R) (EE '62) is working in Damman, Saudi, Arabia, as project manager on installation of a large simulcast radio communications system.

Chester L. Nachtigal (ME '64) is OEM strain product manager for Kistler Morse Corp. in Redmond, Wash. He also has been affiliate professor of mechanical engineering at the University of Washington, Seattle, since 1982 and formerly worked in corporate R&D for Wyerhaeuser Co. in lumber manufacturing automation. Nachtigal received a Ph.D. from MIT in 1969 and had taught at Purdue University.

Patrick F. Ervin (NE '69, M.S. '71) has been promoted to assistant engineering manager for nuclear and plant services engineering at Stone & Webster Engineering Corporation's Denver Operation Center.

See Alumni, p. 6

Deaths

Lee V. Haegert (ME '18, MS '33), Topeka, died June 12. Mr. Haegert worked in the engineering test department of Santa Fe Railway from 1933 until he retired in 1959.

Trafford W. Bigger (ME '19), Worland, Wyo., died November 16. Mr. Bigger had worked for many years for General Electric Co. in Schenectady, N.Y.

Paul Kouar (EE '23), Oklahoma City, died September 10. He retired from Southwestern Bell Telephone Co. in 1965 after nearly 43 years of service. He was a member of East Gate Lodge in Kansas City.

Harold G. Owen (ChE '31), Sun City, Ariz.

Lester Lee Hermon (ME '38), Alexandria, Va., died July 6. He was retired from the Army Materiel Command and was buried with full military honors in Arlington National Cemetery.

William H. Schultz (ME '50), Bellevue, Wash., died July 16 of lymphoma. He was retired from Boeing Co. after 32 years of service.

Alumni. from p. 5

William H. Maxwell (CE '69, MS '73) is an environmental engineer with the U.S. Environmental Protection Agency, Research Triangle Park, North Carolina, in the Office of Air Quality Planning and Standards.

Tom C. Roberts (NE '70, M.S. '72), Olathe, works for Black & Veatch as director, Human Resources Development.

Alan R. Hammerli (ChE '71) has been promoted to evaluation and correlation manager for the planning, budgeting and correlation division of Phillips 66 Co., a subsidiary of Phillips Petroleum Co., Bartlesville, Okla. He formerly was a manager in the refining division of Phillips 66.

Thomas A. Carlisle, P.E. (ChE '73) has received the Young Engineer of the Year award from the Bartlesville chapter of the Oklahoma Society of Professional Engineers. Carlisle is a senior process engineer with Phillips Petroleum Co., which he joined in 1980 after seven years with E. I. duPont Co. He is active in community youth and service organizations, including Mathcounts.

Jerry L. Ostermann (AgE '73) was named "Young Engineer of the Year" for 1986 by the Kansas Section of the American Society of Agricultural Engineers. Ostermann is president and founder of Osteel Corp. of Sylvan Grove, manufacturers of livestock scales.

J. Clifford Hobson, P.E. (ME '75) has transferred to PPG Industries Glass Group, Wichita Falls, Tex., as a senior production engineer at the "world's largest float glass plant." He was formerly a senior design engineer at PPG's industrial chemical plant in Lake Charles, La.

Donna D. Kottwitz (ChE '75) has joined Wintershall Corporation, a petroleum exploration and production company, as a senior reservoir engineer in the Southern Division office in Houston, Tex.

Chester L. Brians (CnS '76) has been promoted to assistant vice president at Webcor Builders, Inc., a San Mateo, Calif.-based general contractor specializing in commercial office buildings. He has been with the company since graduation and is involved in all phases of construction from conception to total administration of projects for the ENR Top 400 company.

Hurriyet N. Aydogan (ME '79) is a photographer with the Rochester (N.Y.) Courier-Journal and owner of New Vision Photography there. He was formerly engineer and production coordinator for All-state Tool and Die.

Glen W. Hicks (ME '79) is a thermophysics engineer for Martin Marietta Denver Aerospace.

Jerry Jackson (ME '80) has been promoted to senior project engineer at Hill's Pet Products, Topeka, with responsibility for projects at all Hill's locations including a new plant at Bowling Green, Ky.

Thomas P. Hood (NE '80), Normal, Ill., is shift testing coordinator at the General Electric Co. Clinton Power Station.

David Carr (ChE '81) is a senior research engineer for Dow Chemical Co. in Stade, West Germany, after five years in R&D at Dow's Freeport, Tex., division. He received an M.S. degree from Texas A&M in 1985.

Dallas H. Tubbs (ME '81) has moved up to a staff reservoir engineering position at the Texaco, Inc. Midland district office. He had been area engineer at the Midland area field office of Texaco.

Steve P. Bennett (CnS '81) has been promoted to vice president of Dondlinger & Sons Construction Co., Inc., Wichita. He is presently project manager on the new chemistry-biochemistry building at K-State.

Dean L. Hiebert (ArchE '83) has accepted a position as mechanical engineer with Shive-Hattery Engineers, Cedar Rapids, Iowa. He was previously a mechanical engineer for Van Doren-Hazard-Stallings, Topeka.

1st Lt. Robert Belongia (ME '84) is with the Combat Engineer Battalion at Ft. Stewart, Ga., and has been approved for promotion to Captain.

Rod H. Cool (ME '86), Fairway, Kan., works for the Carrier Heating & Air Conditioning distributor in Kansas City (General Heating & Cooling Co.) as an engineer selling in the Kansas/Missouri area. He recently completed an MBA at the University of Kansas. Cool says he "never forgot Lon Kruger and company's comeback win over Kansas at Ahearn in 1973—let's do it again soon."

CNS graduates

We had a followup from Carol S. (Gunby) Showalter of Salina regarding the story on Kay Rasmussen (CS '77 that appeared in the Summer 1986 issue of IMPACT.

Showalter said she graduated in construction science from K-State in December 1976. She entered the program in 1973. "I was the first female to graduate from the construction science program at K-State," she said. "I was also the first female in the K-State chapter of Sigma Lambda Chi."

We apologize for any confusion over who was the first woman in the program.

What's New With You?

We'd like to know, and so would your former classmates. Please take a few minutes to jot down any job changes, professional or other activities, whether you've retired, or any reminiscences you'd like to share. Use this form below or write to: IMPACT Editor, College of Engineering, Durland Hall, Kansas State University, Manhattan, KS 66506.

NAME _____ CLASS OF _____ MAJOR _____

ADDRESS _____

NEWS FOR IMPACT _____

Return to: IMPACT Editor, College of Engineering, Durland Hall, Kansas State University, Manhattan, KS 66506.

Young VP manages his career with skill

Terry Weaver, at 35, is the youngest divisional vice president at Johnson Controls, a \$2.5 billion company headquartered in Milwaukee, Wis.

How did he manage that?

"I have a broad combination of skills and experience, and am willing to work hard applying them," he said.

Weaver started with Johnson Controls as a sales engineer in 1973 after receiving a B.S. in electrical engineering from Kansas State. He is a native of Winfield.

The sales force isn't necessarily the first place graduating engineers think of when they get ready to put their skills to work. But it paid off for Weaver. It put him in touch with customers. And knowing what customers want is one of the ingredients of success, he believes.

Weaver began his career in his company's St. Louis office, where he held various sales and management positions. He eventually was named manager of the office. In 1983 he became manager of the Southeast regional office in Atlanta.

In January 1986 Weaver was appointed to his present position as vice president and general manager of the Electronic Systems Unit of the Systems and Services Divi-

sion (SSD). He works out of the divisional offices in Milwaukee and is one of seven vice presidents of Johnson Controls SSD.

The company manufactures environmental control systems, including controls for heating and ventilating equipment. It operates worldwide, with 110 branch offices in the U. S. Weaver is responsible for marketing, design and development of electronics products for his division.

In his years with Johnson, Weaver has made it a point to learn all phases of the business.

"I've engineered and managed projects, have done hands-on troubleshooting and have had a lot of experience dealing with customers," he said.

He attributes his success to "a combination of sales, engineering and business." In addition to gaining accreditation as a registered Professional Engineer, he went through the management development program at Northeastern University in Boston, Mass. He also took a number of business electives while a student at Kansas State, keeping in mind through the years, he said, that "management is the art of getting things done through the voluntary cooperation of other people."



Terry Weaver, at 35, is the youngest vice president at Johnson Controls, Inc. The climb up the corporate ladder was a matter of learning management skills and knowing how to apply them, he says.

Plan to attend Open House March 27-28

"Engineering: From Visions to Reality" is the theme for 1987 Open House. The event is scheduled for March 27-28 in conjunction with the all-University Open House. Engineering displays will be open from 5:30 to 9 p.m. Friday, March 27, and from 9 a.m. to 4 p.m. Saturday, March 28.

The College of Engineering is planning an alumni luncheon for noon Saturday at the University (formerly Ra-

mada) Inn adjacent to the campus. A social hour will begin at 5:30 p.m. at the University Inn, followed by the awards banquet at 6:30 p.m. in the K-State Union Ballroom. The University Choir will perform.

Please fill out the form below if you plan to attend. We hope to see you there.

PLEASE RETURN THIS FORM TO:

Donald E. Rathbone
Dean of Engineering
146 Durland Hall
Kansas State University
Manhattan, KS 66506

ENGINEERS' OPEN HOUSE
ALUMNI RESERVATION FORM
Please make checks payable to the KSU Foundation

() I plan to attend the Engineering Alumni Luncheon on Saturday, March 28, 1987, and have enclosed my check for _____ tickets. (\$5.00 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, March 28, 1987, and have enclosed my check for _____ tickets. (\$8.50 per person)

() I will attend the social hour at the University Inn. Please reserve _____ places for me.

NAME _____

ADDRESS _____

PHONE _____ DATE _____

Matching funds, other needs cited

Budget cuts made it necessary to make a special plea for support for current programs and possible new ones that will help the College achieve its goals, said Dean Donald E. Rathbone.

"Our appeals for financial help have always been very positive," he said. "The College is grateful for the help from alumni and friends. We are even more appreciative now. With the latest budget cuts, our needs have never been greater."

Rathbone listed a number of areas which are important in helping the College maintain a quality program:

Scholarships "We are continuing our recruitment of outstanding students, and this is one area that remains a top priority," Rathbone said. "Scholarships make a great difference in our ability to attract talented young people."

Student visitations "Visits to high schools and on-campus seminars for prospective students need to be increased to help assure that we reach as many academically qualified students as possible."

Open House "Extra-curricular activities such as Open House still need to be funded," Rathbone said. "They are important experiences as well as outlets for the students' creative energies."

Leadership Institute "We'd like to make our Engineering Leadership Institute a requirement for all students," Rathbone said. The College currently subsidizes the cost of the day-long institute, which has been offered each semester for several years to interested students. The institute helps students develop leadership and other personal skills that will be valuable in the work place.

Faculty "Good faculty are the heart of a quality engineering program," Rathbone said. "We would like to offer more professorships and endowed chairs. Endowed

chairs require a minimum of \$200,000 to establish. They can be funded by an individual or family or they can be set up as a memorial to which anybody may contribute. Special professorships can be established by providing supplements to professors' salaries."

The College of Engineering received the following donations from industry recently:

Exxon Education Foundation, \$34,500.

Goodyear Tire & Rubber Co., \$30,000.

Westinghouse Electric Corp., \$28,000, to be awarded over a period of three years.

Allied Corporation Foundation, \$15,000, with \$5,000 each for the Department of Electrical and Computer Engineering, the Department of Mechanical Engineering, and the Engineering Minorities Program.

Conoco, Inc., \$9,200, with \$4,500 designated for scholarships and the remainder unrestricted.

A more complete list will be printed in the next issue of IMPACT. Thank you!

Students, from p. 4

Five nuclear engineering students were among 23 students nationwide who were awarded scholarships in 1986 from the American Nuclear Society. K-State set a record for the number of scholarships from one school, said faculty advisor Hermann Donnert. Awards totaled \$7,000 for the five students.

The K-State chapter of The Society of Women Engineers received the regional "Best Section Award" in 1986. A major achievement during the contest period was an increase in membership from 25 to 90, said Karen Hummel, director of the Engineering Minorities and Women's Program.

Good news for octogenarians

Harold M. Weddle (CE '27), San Diego, Calif., reminds us that he is now an octogenarian and that he is "sure there are a number of my classmates now in this same group." Weddle thought they would be interested in the following "good news" sent to him by a friend who joined this elite group several years ago.

Life Begins at 80

"I have good news for you. The first 80 years are the hardest. The second 80, as far as my experience goes, is a succession of birthday parties.

"Everybody wants to help carry your baggage and help you up the steps.

"If you forget your name or anybody's name, forget to fill an appointment, or promise to be two or three places at the same time, or spell words wrong, you need only explain that you are 80.

"At 80 you can relax with no misgivings. You have a perfect alibi for everything. Nobody expects much of you.

"If you act silly, it's your second childhood. Everybody is looking for symptoms of softening of the brain.

"It's a great deal better than being 65 or 70. At that time they expect you to retire a house in Florida and become a discontented, grumbling has been.

"But if you survive until you are 80, everybody is surprised that you are alive, surprised that you can walk, surprised that you can reveal lucid intervals.

"At 70, people are mad at you for everything; at 80 they forgive you for anything. If you ask me, life begins at 80."



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