

K-STATE ENGINEERING



NEWSLETTER

It's a fact . . .

. . . that Nuclear Engineering, which was added to the Kansas State University curriculum in 1958, was the first accredited program of its type in the country.

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Winter 1980-81

College plans fund-raising drive

By
Donald E. Rathbone,
Dean of Engineering



The College of Engineering is embarking on a major campaign to raise funds for equipping Durland Hall, Phase II. We are going to need your help.

The Kansas State Legislature appropriated the bulk of the money for the nearly \$8 million building in the spring of 1980. But we still have needs that must be met.

We have set our campaign goal at \$1 million. The amount will cover the \$250,000 the College was asked to raise for fixed equipment. Another \$550,000 will be used for additional, free-standing laboratory equipment. A total of \$200,000 will be used to establish distinguished professorships. The positions would attract and support faculty members who can assist the College in maintaining the high level of quality in its teaching and research programs.

Durland Hall, Phase II is the second step toward a major engineering complex for Kansas State University. The first step, Durland Hall, Phase I, was completed in 1976. This building houses the Departments of Chemical and Industrial Engineering.

Phase II will provide space for administrative offices for the Dean of Engineering and his staff; the Engineering Experiment Station; central services of the College of Engineering; the Departments of Electrical Engineering and Mechanical Engineering; the Computing Laboratory and one laboratory for Industrial Engineering.

The new building will be about 40 percent larger than Phase I. It will contain 106,000 square feet of space and will be connected to Phase I by a lobby area. This area is included in the plans for Phase II.

Groundbreaking is expected to take place this spring, and the building is scheduled for completion in 1983. A third phase of Durland is being planned for the late 1980s.

The need for Phase II came about as a result of rapidly increasing enrollments and increased research activities.

Durland Hall, Phase II will allow the College of Engineering to meet its responsibilities in the areas of teaching and research. It is essential that our facilities keep pace with the rapid changes now taking place in engineering education and technology. Please help if you can. Thank you.



Stuart Swartz, professor of civil engineering, inspects workmanship on a model of a concrete cooling tower being built to test buckling behavior of concrete under high winds. The model is based on a 600-foot tower, compared with the 300-foot towers now in use in power plants. Standing, from left, are Thomas Gates, graduate student, and Associate Professor K.K. Hu, co-investigators in the research.

Professionalism earns recognition

The College of Engineering has received the 1981 Koerper Award from the National Society of Professional Engineers in recognition of outstanding commitment to professionalism.

The award carries with it a \$1,000 stipend to be used to purchase works of art. The Engineering Student Art Loan Fund, Delafield, Wis., also has awarded the College \$500 to initiate the collection.

The \$1,000 stipend is made possible

by a grant from Erhardt C. Koerper, P.E., who is active in both the engineering profession and the arts.

Selection for the Koerper Award is based on programs to encourage professionalism among faculty members and students; involvement of students and faculty in the NSPE and other professional societies; contact with engineering professionals; and availability of materials for students on topics related to professionalism.

Longtime friend of K-State dies



L.W. Newcomer

"Gone but not forgotten" seems less a cliché when applied to L.W. "Newc" Newcomer, longtime supporter of Kansas State University and the College of Engineering, who died Dec. 21 of a heart attack. He was 79.

Mr. Newcomer, who succumbed while visiting at the home of his daughter in Virginia, remained a familiar face on campus after his graduation in 1923. He rarely missed athletic events or activities such as Engineers' Open House, and often took in meetings of professional engineering societies and lectured to engineering classes. He was a graduate in civil engineering.

Born in Alexander, Kan., Nov. 23, 1901, Mr. Newcomer had spent most of his adult life in El Dorado. He became Butler County engineer in 1931 and while there he developed a county road system that was a model for other counties and states. He later served as chief engineer and general manager of the Kansas Turnpike.

He was past president of the International Bridge, Tunnel and Turnpike Association, the Kansas Engineering Society and the Kansas County Engineers Association. He also held a lifelong membership in Chi Epsilon, civil engineering honorary.

Mr. Newcomer served his alma mater as president of the Alumni Association in 1949-50 and as national chairman for the KSU Second Century Fund drive in the 1960s. In 1963 he received a Centennial Award for Distinguished Service to KSU and was honored with a College of Engineering Distinguished Service Award the same year.

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Dean of the College
Dr. Donald E. Rathbone
 Associate Dean of the College
Dr. Ted O. Hodges
 Impact Editor
Carolee Stark



Working with others was the focus of the first College of Engineering Leadership Institute. Seated from left are Lisa Hoffmaster of Topeka; Terry Strickland, Ottawa; and Mark Hutchison, Salina. Looking on is Pat Bosco, Kansas State University assistant dean for student development, who conducted the workshops.

Institute off to good start

"Excellent." "Well worth the time." "I feel that what I learned today would have taken several years of trial and error on the job to find out."

These are typical of the comments by students who attended the first Engineering Leadership Institute for engineering students at Kansas State University.

In an all-day program, which is expected to become an annual event in the College of Engineering, the students learned how to work with others, as future leaders on campus and in the professional world.

The program was based on a similar project sponsored by the Kansas Engineering Society for students in the state's three engineering colleges.

KSU Dean of Engineering Donald E. Rathbone said he initiated a separate institute in Manhattan to allow more K-Staters to participate in the leadership training course. The program also can be tailored to KSU needs.

The 90 students who attended the institute included a high representation of women and minorities. Most were juniors or seniors who would be in school for several more semesters. Thus, the skills learned at the institute can be applied initially through mem-

berships in campus clubs and organizations.

Pat Bosco, KSU assistant dean for student development, conducted the sessions. Karen Hummel, director of women's and minorities' programs for the College of Engineering, assisted in the planning.

The program covered leadership styles and self assessment, motivation of others, listening and communication skills, and team-building exercises.

Date set for Open House

Mark your calendar for March 27-28. That's the date for Engineers' Open House, which will begin at noon Friday, March 27, with the traditional crowning of St. Patrick and St. Patricia. Student projects may be viewed beginning at 5:30 p.m. Friday and from 9 a.m. to 4:30 p.m. Saturday.

In addition to student displays, a variety of other events are planned, including a free "Showcase of Talent" show Friday night, featuring KSU musical and dramatic groups, as well as a rodeo and a country-rock music performance Saturday night.

Engineering gets Chinese professor



Shun-Xi Rong

The College of Engineering has its first visiting professor from The People's Republic of China.

Shun-Xi Rong has joined the Department of Chemical Engineering, where he will be engaged in research with L.T. Fan, department head, over the next two years.

Rong is on leave from his position as associate head of the Chemical Engineering Reaction Laboratory at Zhejiang University in Hangchow, near Shanghai.

Rong said he requested leave to come to Kansas State University after reading of Fan's work, particularly with fluidized and semi-fluidized beds. They will be collaborating on studies in the area of heterogeneous reactor modeling and optimization.

"Other universities, such as the University of California at Berkeley and the University of Pittsburgh, had invited me, but I came here because I was more interested in Dr. Fan's work. I knew Chemical Engineering at Kansas State University was famous in the United States," Rong said.

Research project listed in guide for reporters

A research project being conducted in the Department of Chemical Engineering has been included in the 1981 *Reporters' Guide to Key Research in Science in Engineering* at 100 leading universities, research institutions and government agencies.

The project, "Fuel Gas from Farm Wastes," by L.T. Fan and Walter Walawender, is one of five projects at Kansas State which are listed in the guide.

Some 300 copies of the annual publication were distributed to news reporters covering the recent meeting of the American Association for the Advancement of Science in Toronto, Ont. The guide contains one-paragraph descriptions of each research project, and is used by reporters in tracking down research on particular topics and in learning what certain institutions are doing.

Rong had one year of training in spoken English, which is the first foreign language taught in Chinese schools. English was not used during the Cultural Revolution, Rong said, but it was reinstated after President Richard Nixon's visit to China. He added that Hangchow was one of the spots on Nixon's tour.

Rong is one of 100 teachers in Zhejiang University's Department of Chemical Engineering. The department has about 400 undergraduates and 30 graduate students. Total enrollment at the university is 6,549, with a teaching and research staff of 1,819. Emphasis is primarily on research, which is geared to the needs of science and industry, Rong said. He added that students at Zhejiang University spend four weeks a year working in factories as part of their educational program.

Universities in China were reorganized in 1952 into specialized areas of study. Zhejiang University, founded in 1897, is today one of the major universities of science and engineering, with 15 academic departments.

Rong said he finds Americans unusually friendly and helpful, the weather a bit colder than in his part of China, and the "work efficiency" at K-State "very high."

Lindholm named department head



John C. Lindholm

John C. Lindholm, a member of the Department of Engineering Technology since 1976, has been named head of that department.

Lindholm had taken on responsibilities as acting head of engineering technology after the resignation of Kenneth Gowdy, former chairman, in September 1979.

A 1949 graduate of KSU in mechanical engineering and in business administration, Lindholm received a master's degree from the University of Kansas in 1956 and a Ph.D from Purdue University in 1961. He had served as instructor at Kansas and Purdue before joining the Kansas State University faculty as an associate professor of mechanical engineering in 1960. He also was visiting professor at the University of Assiut, Egypt, from 1964 to 1966.

Lindholm has taught courses in machine design, kinematics, dynamics, vibrations and stress analysis, and he is the author of numerous research publications in these areas.

He is immediate past chairman of the Kansas City Section of the American Society of Mechanical Engineers and serves on the Region 7 Policy board. He is also chairman of the Kansas Section of the Society for Experimental Stress Analysis. He is a member of the American Society for Engineering Education and currently serves as faculty advisor to the Society of Women Engineers at K-State.

Lindholm has received a number of honors and awards, including a National Science Foundation Science Faculty Fellowship and a Ford Foundation Fellowship for studies at Purdue University.

Retirees represent 76 years of service



Eugene Thorson



Joe N. Wood

Two College of Engineering faculty members, representing 76 years of service to Kansas State University, retired at the end of the fall semester.

Eugene Thorson, who headed the Department of Architectural Engineering and Construction Science from 1969 to 1979, joined the Department of Architecture in 1948. A 1940 graduate of the University of Washington in civil engineering, he was instrumental in establishing the Department of Construction Science in 1964, when it was part of the College of Architecture.

Joe N. Wood, professor of mechanical engineering, came to K-State in 1936 after receiving a bachelor's degree in electrical engineering from Iowa State University. During his tenure at K-State, Wood worked summers for the U.S. Army Corps of Engineers and the Kansas State Highway Commission. Before coming to KSU, Thorson was employed by Boeing Aircraft Co., the U.S. Bureau of Yards and Docks and the Kellogg Corp. in New York.

The former faculty members, both licensed professional engineers, served in numerous capacities on university committees and as members of professional engineering societies. Both

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Retirees—from p. 3

also have a number of engineering publications to their credit.

Wood has been most active in the American Society of Engineering Education, an organization which he joined in 1938. He also has been a staunch booster of KSU athletics, and served as statistician, timer or judge of athletic events, including those in the Big 8, for more than 30 years. He was faculty advisor for Engineers' Open House for 10 years and also served as advisor to Triangle Fraternity. Wood also has been active in community organizations, including Boy Scouts, PTA and the Riley County Heart Association.

Among Thorson's memberships are the Associated Schools of Construction and the American Institute of Constructors. He was a founding member and served as national director of both organizations. He is listed in *Who's Who in Engineering*. Thorson's civic activities have included directorship of the Memorial Hospital Board for 17 years.

As to future plans, Thorson expects to spend five or six months a year in Minnesota and the rest of the time in Manhattan, where he will be within a short visiting distance of his four children.

Wood will remain in Manhattan, where he will spend part of his time building grandfather clocks, in addition to other wood-working projects. He also plans a number of trips to various parts of the country to visit his children and other relatives.

History project is underway

Your reminiscences and anecdotes about student life in the College of Engineering are needed. Information for a book on the history of engineering at K-State is being compiled. The book will be published next year, so your input is needed as soon as possible.

Please take a few moments to recall the highlights of your experiences in engineering at KSU. For instance, alumni of 1931-32: What were your impressions of the first television station in the state coming out of an Engineering Experiment Station project? Please jot down your thoughts and send them to: Cheryl May, c/o Dean of Engineering, Seaton Hall, Kansas State University, Manhattan, KS 66506.

Council has new members



Charles Carter



Gordon Goering



Harold Siegele



John Walters

Four new members have been added to the College of Engineering Advisory Council.

They are: Charles Carter (ME '38) of Independence; Gordon Goering (ChE '45) of Bartlesville, Okla.; Harold Siegele (ChE '47) of Houston, Tex.; and John Walters (EE '60) of Tampa, Fla.

Carter is retired president of ARCO Pipeline Co. He received a Distinguished Service Award from the College in 1975.

Goering, a native of Pretty Prairie, is senior vice president of Phillips

Petroleum Co., with responsibility for worldwide refining, transportation and marketing of Phillips products.

Siegele is senior vice president, Exxon U.S.A. Production Department. He is a native of Emporia. Siegele received a Distinguished Service Award in 1978.

Walters, a native of Brewster, is vice president at Stromberg-Carlson Corp., with responsibility for business planning. He received an MBA degree from Oklahoma City University in 1966.

Some notes from the faculty

Frank A. Tillman and **C.L. Hwang**, Department of Industrial Engineering, are co-authors of a book, *Optimization of Systems Reliability*, published by Marcel Dekker, Inc., New York, Nov. 1980, in the Industrial Engineering Series.

Hwang also is co-author of *Multiple Attribute Decision Making—Methods and Application*, published 1981 by Springer-Verlag, Heidelberg, Germany.

A book by **Nasir Ahmed**, electrical engineer, has been translated into Russian and Chinese. *Orthogonal Transforms for Digital Signal Processing* was published in 1975 by Springer-Verlag.

Ross Pauli, mechanical engineering, has completed work on a book, *Problems in Graphical Communications, Analysis and Design*, to be published by Stripes Publishing Co.

In other news from mechanical engineering, **J. Garth Thompson** was program committee chairman for the Dynamic Systems and Control Division Conference for the American Society of Mechanical Engineers winter meeting in Washington, D.C.

George Eggeman has been elected secretary of the Kansas Section of the Society for Experimental Stress Analysis.

Fred C. Appl has received recognition for completing his tenth year of continuous service as a reviewer for Applied Mechanics Reviews.

Paul Miller was luncheon speaker at the American Society for Engineering Education North-Midwest Section Regional Conference.

Stanley J. Clark, agricultural engineering, was a member of the executive planning committee for the American Society of Agricultural Engineers National Energy Symposium in Kansas City.

Paul Stevenson, ag engineering, served as an assistant superintendent of the National Future Farmers of America Agricultural Mechanics Contest.

Charles Bissey, architectural engineering and construction science, was a design engineer on the Salina Centennial Center, which won a national award from the National Association of Consulting Engineers. Bissey participated in the roof design of the building while working summers for the consulting engineers on the project, Bucher & Willis, Salina.

Cecil Best, civil engineering, has returned from sabbatical leave, which he spent at the University of California.

Stuart Swartz, civil engineering, reports a turnout of 220 persons for the fourth annual Charles H. Scholer Concrete Conference in January. The program was on the use of concrete in street and parking facilities.

Make a note on your calendar to attend Engineers' Open House March 27-28.

Tau Beta Pi award goes to Wilson & Co.

Wilson & Company, an international engineering consulting firm with headquarters in Salina, was honored in November as "Company of the Year" by Tau Beta Pi, student engineering honor society.

Four top officers from Wilson spent a day on the campus participating in a series of programs, and accepted an award on behalf of the company at an evening banquet in the K-State Union.

The award is given annually to a company which has expressed strong interest in education, commitment to the engineering profession and support of the Kansas State University engineering program. The purpose of the visit and the award is to establish closer relationships between the University and industry and to give the students a better insight into industry.

Representing the company were

Nathan B. Butcher and Bruce E. Roberts, executive partners; Craig Roberts, partner-in-charge of Wilson's Support Services Division; and Robert L. Baier, partner-in-charge of the Civil Engineering Division.

Bruce Roberts is a 1939 graduate of KSU in civil engineering and received the College of Engineering Distinguished Service Award in 1979. Craig Roberts received a degree in civil engineering from K-State in 1969 and Baier in 1948. Butcher attended Texas Technological University and was named the "Outstanding Engineer in Kansas" for 1980 by the Kansas Engineering Society.

During their visit the Wilson & Company representatives lectured to engineering classes and toured the engineering facilities. They also presented a special audio/visual program about their company at the banquet.



Dean of Engineering Donald E. Rathbone, left in top photo, joined Tau Beta Pi members Rich McKittrick, Sue Barsamian, Kris Fionda and Mike McGeough in rolling out the welcome mat for Wilson & Company executives. The guests spent the day touring the engineering complex and lecturing to students. In bottom left photo is Craig Roberts. At right is Robert L. Baier. In photo below, Bob L. Smith, professor of civil engineering, welcomes the visitors to his classroom. From left are Bruce E. Roberts, Donald E. Rathbone, Nathan B. Butcher and Craig Roberts.



Gifts, Scholarships

Two former K-Staters, Mr. and Mrs. Fred Eyestone, have made a \$700,000 gift to the Kansas State University Foundation.

The gift, in the form of a charitable remainder unitrust, is the largest ever recorded by the Foundation. It will be managed by the Foundation and provide income for the couple until their deaths. At that time the assets will be placed in a permanent endowment.

The distribution formula for the income, a portion of which is earmarked for scholarships, will be 35 percent for the College of Engineering, 35 percent for the undesignated funds managed by the Foundation, 15 percent for the College of Home Economics and 15 percent for the Department of Athletics.

Eyestone is vice president of Varian Associates of Palo Alto, Calif., and president of the International Group of the company. A 1941 graduate of KSU in electrical engineering, he is a member of the College of Engineering Advisory Council and a trustee of the KSU Foundation.

A \$20,000 unitrust agreement with Harry R. Wege, Merchantville, N.J., will provide scholarship support for students in the College of Engineering.

Wege is a retired vice president and

general manager of missile and surface radar for RCA. He was responsible for development of the Ballistic Missile Early Warning System and for a variety of other systems used in connection with U.S. defense and space programs.

A 1925 electrical engineering graduate, Wege received a Distinguished Service Award from the College of Engineering in 1964.

G.E. Johnson Construction Co. Inc., Colorado Springs, Colo., has established a scholarship fund for students majoring in civil engineering or construction science.

The firm will support six scholarships of \$1,000 each, to be awarded annually.

Gilbert E. Johnson, president of the company in whose name the scholarship has been established, is a 1955 graduate in civil engineering from K-State.

Jeffrey Shoemaker, a sophomore in construction science from Raytown, Mo., has been selected as the first recipient of the Garney Scholarship.

The \$300 scholarship was established by the Garney Co. of North Kansas City, Mo., and was funded in part by two recent K-State graduates, Michael Sowards (CNS '78) and Stephen McCandless (CNS '79).

Donation helps Chemical Engineering

A gift from Stuart B. Hartman (B.S., Ch.E. and Bus. Adm., 1954) and his wife Doris (B.S., Econ. and Soc., 1953) has made possible the purchase of equipment for the reaction engineering laboratory in the Department of Chemical Engineering.

The laboratory has been dedicated in the name of Hartman's father, Ben F. Hartman (B.S., Ch.E., 1930). The elder Hartman, who lives in Wichita, worked most of his adult life for Mobil Oil Co., retiring in 1969 as head of the company's London office.

Stuart Hartman joined Continental Oil Co. after graduating from Kansas State University. He held a succession of management positions with Conoco and left in 1975 to become president of Seaview Petroleum Inc., Blue Bell, Pa.

The Hartman laboratory, located in Durland Hall, is being used for research in kinetics and catalysis, an area in which the elder Hartman was active during his years in the petroleum industry.

Ag engineering students prove design talents

Agricultural Engineering students at Kansas State University have once again proven themselves as top designers in national competition.

A tractor hitching device developed by a team of five students has won first prize in the annual Allis-Chalmers Student Design Contest. The prize has gone to K-Staters each year since the contest began four years ago.

The device, called "The Handy Hooker," connects the tractor drawbar to a trailing implement and at the same time connects the tractor hydraulic system to that of the implement.

The Handy Hooker won the annual student contest of the Mid-Central section of the American Society of Agricultural Engineers last March before being entered in the national contest.

The students, who created the device in a senior Design of Agricultural Machines class taught by G.E. Fairbanks, shared a \$300 cash award, and each received a plaque and certificate.

Members of the design team were Edward Smalley, St. Francis; Mark Boguski, Overland Park; Todd Casey, Glen Elder; and Dwight Chipperfield, McDonald.

Program benefits students, industry

The College-Industry Liaison Program is a relatively new venture in the College of Engineering which allows a student to earn an advanced degree and at the same time apply his or her knowledge to the problems of industry.

Under the program, an academically superior student is matched with an industry sponsor during the student's junior year. The student is then employed by the sponsor for the next two summers in order to gain insight into the company's operational procedures. The student returns to school for graduate studies, after completing the senior year, choosing a project compatible with the sponsor's interests.

The company in turn provides a tuition grant for the student's senior year and supports the student during the graduate program at the normal stipend rate, approximately \$7,800 per year. The graduate program lasts approximately 12 months.

The program is planned individually for each student and sponsor, and leads to both B.S. and M.S. degrees in five years.

Companies have the option of hiring the student on a permanent basis after the junior year, giving the student leave for the next two academic years for graduate study.

Advantages to the student include studies in a specially tailored course program, financial aid and valuable industrial experience.

Cooperating companies have two summers to evaluate the performance of a selected student. They also have the opportunity to permanently employ an outstanding engineer who has had experience with the company.

Companies have an additional advantage in that the sponsored student is able to work closely with an engineering faculty member on the industry-sponsored project and, when advantageous, with a company adjunct professor.

The College of Engineering benefits in several ways. Many of its faculty members have the opportunity to see first-hand current industrial practices and needs. And it is able to gain improved efficiencies in the teaching of graduate courses by drawing more students into the program.

The industry sponsor supplies funds for any special requirements of the student's project, as agreed upon by the College and the sponsor.

Here's news from Engineering alumni

Brig. Gen. John S. Gulledge, USAF (Ret.), has been a busy man since graduation in 1920 in electrical engineering. He wrote the following account from Lee's Summit, Mo., where he and Alice, his wife of 60 years, are retired:

"Served in U.S. Marines as a sergeant, WW I, worked for Commonwealth Edison Co., Chicago, National X-Ray Reflector Co., assisted in design and erection of spectacular lighting of Wrigley Tower. Worked for B.F. Goodrich Co. in sales in Akron and St. Louis and as sales manager, Chicago district, then to U.S. Army Air Corps as pilot."

Gulledge retired at age 60 after receiving his star. He celebrated his 85th birthday in 1980.

More alumni news:

Howard L. Kipper (CE '32) retired from Black & Veatch in May 1979, then went back into the field as project engineering coordinator for the City of Leawood, Kan., for a sewerage renovation project.

Robert D. West (EE '37, M.S. '39) is living in Naples, Fla., after retiring in 1980 as manager of transmission and distribution engineering at Duquesne Light Co., Pittsburgh, Pa.

Matthew A. Reber (ME '40) is in Tulsa, Okla., working in the headquarters office of Cities Service Co. as special projects manager, Eastern International, Energy Resources Group.



Harvey J. McCarter



David Soldan

He had spent four years in the Phillipines working for the company as operations manager for oil exploration and development.

Robert A. Gilles (CE '42) is construction manager for The Hoh Co., Atlanta. Since graduation he has been manager in construction design for Trans World Airlines, managed construction for the Children's Hospital/National Medical Center, Washington, D.C., and was president of his own construction firm.

Wilbur M. Davis (AgE '46) has been elected technical vice president of the American Society of Agricultural Engineers. He lives in Cedar Falls, Iowa.

Benjamin A. Simmons (ChE '51, Ph.D. Chem. '55) is director of strategic planning and evaluation for Argonne National Laboratory. He is former director of forward planning for Aerojet-General Corp.

Austin Stedham (EE '52) has been promoted to vice president, divisions operation, for Kansas Power and Light Co.

Harvey J. McCarter (EE '56) has been promoted to Colonel in the Air Force Reserve. A pilot with Trans World Airlines since 1966, McCarter has logged more than 11,000 military and commercial flying hours. He worked from 1961 to 1966 for Power Engineering Co., Sioux City, Iowa, where he was involved in construction of TITAN II missile sites and power installations for the moon shot pad at Menitt Island, Fla.

James W. Annis (EE '58) is production support manager on the Phalanx Program for General Dynamics' Pomona Division.

Richard H. Bartel (ChE '59) is an engineer with Mobay Chemical Corp., Agricultural Chemicals Division, Kansas City.

Norman E. Jackson (EE '60) has been promoted to regional vice president for Kansas Power and Light Co.

Gary W. Edwards (CE '63) is general manager, division operations, in North American petroleum marketing for Conoco, Inc., Houston.

Dr. David S. Dodson (NE '64) is senior numerical analyst for Boeing Computer Services Co., Tukwila, Wash.

Donald R. Ferguson (NE '67) has been appointed director of the Fast Reactor Safety Technology Management Center at Argonne National Laboratory.

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College, alums team up for party

The College of Engineering hosted engineering alumni from Kansas and surrounding states in November at the first of what is expected to become an annual post-game party.

Close to 200 persons showed up for the event, which took place after the football contest between the K-State Wildcats and the Oklahoma State Cowboys. Sampling the refreshments, in photo at right, is part of the group, which spent an enjoyable afternoon catching up on news from old friends and acquaintances.



Alumni—from p. 7

Ferguson received a master's degree from the University of Birmingham, England, as a Fulbright Scholar, in 1968, and earned a doctorate in nuclear engineering from Massachusetts Institute of Technology in 1971.

Lionel R. Whitmer (ME '68) received a Ph.D from Kansas State University in 1980 and is now professor of mechanical engineering at Wichita State University.

David L. Soldan (EE '69) received his Ph.D in 1980 from Kansas State University and is an assistant professor in the Oklahoma State University School of Electrical Engineering.

Michael E. Hawk (NE '70) is working for Kansas Gas & Electric as lead engineer in the company's Wolf Creek Nuclear Power Plant.

David Kasper (EE '72) has been named director of gas and water for Missouri Public Service Co. in Raytown, Mo.

Donna D. (Kottwitz) Reed (ChE '75) is with Louisiana Land and Exploration Co., Houston. She formerly worked for Exxon Co., U.S.A. in Houston.

John E. Cillessen (CE '75) is a division engineer with the Kansas Turnpike Authority.

Abu Syed Md. Masud (M.S. IE '75, Ph.D '78) is assistant professor of industrial engineering at Wichita State University.

Sharon (Monaco) Feightner (EE '76) and her husband Lawrence both work in international telecommunications at ElectroSpace Systems, Inc., Richardson, Tex.

Roger D. Elmore (CNS '77) is a chief field engineer at Foothills Water Treatment Plant in Denver, Colo.

Kevin L. Fulkerson (CE '77) is working for Kansas Power and Light Co. as a construction engineer at the Jeffrey Energy Center in St. Marys.

Rod Seba (CE '78, MBA '80) Duncan, Okla., is employed as the Oklahoma Division Engineer for Matador Pipelines, Inc.

Brady G. Bauer (AgE '79) Metamora, Ill., is a market representative for Caterpillar Tractor Co.

Mohammad Ebtakar (CE '79) is a Civil Engineer I with the Kansas Department of Transportation.



A Bent, the official symbol of Tau Beta Pi, has become a permanent part of the landscaping of Durland Hall. The class of 1981 purchased the limestone base for the Bent, which was a gift from the class of 1976. Admiring the monument are, from left, Dean of Engineering Donald E. Rathbone; Frank Tillman, faculty advisor to Tau Beta Pi; and Mike McGeough, president.



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