Support to Other Programs

About half the students in the College of Agriculture take coursework in AE. The department has the fifth largest teaching load of 16 programs in agriculture at ISU and the seventh largest of 12 engineering programs.

Service to Iowa

With improved facilities, we can continue to:

* Provide the young people of Iowa with the finest training in modern agricultural and engineering technology.

* Assure excellence of present and future faculty and graduate students.

* Supply Iowa business and industry with highly qualified graduates (two-thirds of AE grads accept jobs in Iowa).

* Contribute to making Iowa a better place to live and work through research discoveries and extension programs focusing on Iowa needs.

* Provide innovative engineering which increases the competitiveness and value of Iowa grown and manufactured agricultural products; improve efficiency of Iowa crops and livestock producers; conserve land and water resources; and add to the quality of life of all citizens.

“Friends” Support Group Formed

The Friends of Agricultural Engineering committee was formed in the summer of 1984. The purpose of the “Friends” group is to contact industry for financial support to remodel Davidson Hall and to increase awareness of agricultural leaders and legislators about the need for improved AE facilities.

Chairman Bob Dahlberg, BSAE’52, and co-chairmen, Glenn Lovig, BSAE’59, and Jack Hull, BSAE’70, have invited several department graduates and other supporters of agriculture and related industry to...
Two New Scholarships Offered

Two new scholarships will be exclusively available to AE and Ag Mech students at ISU beginning this fall, reports Mort Boyd, chair of the AE department student scholarship and awards committee.

The Hobart Beresford Scholarship will be open to sophomore, junior, and senior students in agricultural engineering. One tuition scholarship will be awarded. Beresford was a former AE department head and professor emeritus of agricultural engineering at Iowa State. The $500 T.A. Hoerner Scholarship will go to an outstanding incoming freshman in agricultural mechanization. Thomas Hoerner, an AE faculty member, provided funds for this scholarship.

These two new scholarships are welcome additions to an outstanding list that includes the J.B. Davidson, L.F. Charity, and L.G. Keeney scholarships. If you are interested in helping the department in engineering or ag mech by sponsoring a scholarship, contact H. Paul Johnson, AE department head, or the ISU Development Office.

Laffen Named IA Section Engineer of the Year

John M. Laffen, USDA researcher, received the 1984 Engineer of the Year Award for the Iowa section of the American Society of Agricultural Engineers (ASAE). This award is presented to the outstanding engineer in the Iowa section.

In his research work, Laffen has contributed much to the understanding of the erosion process and of measures to control it, specifically using terraces and conservation tillage. Last summer, Laffen received the USDA Distinguished Service Award in Washington, D.C., and he spent three weeks recently in Brazil lecturing on soil erosion control at the invitation of the Brazilian government.

Beers Named Parents of the Year

Retired AE professor Craig Beer and wife Janet were selected 1984 Parents of the Year last fall during Parents' Weekend at Iowa State University.

Nominated by their youngest daughter, Bonnie, a freshman in biochemistry at ISU, the Beers were honored for their longtime connections with ISU. Craig served on the AE faculty for 25 years after receiving his B.S., M.S., and Ph.D. from Iowa State. He retired in 1983 and is now consulting, but continues to farm and expand his Christmas tree farm. Janet is a secretary for Ames Laboratory.

Besides Bonnie, the Beers have four other children who graduated from ISU—T.J. Beer Larson, '73; Alice Beer McCoy, '75; Stephen Craig Beer, '78; and James Andrew Beer, '84.

Greiners Travel to Soviet Union

Extension Agricultural Engineer Tom Greiner and wife Joan spent 11 days in January as part of an ISU group visiting the U.S.S.R.

The Greiners, along with ISU Russian language instructor Tania Tipton, several students, and other ISU faculty were part of a 32-member group which visited Moscow, Kiev and Leningrad Jan. 3-14, 1985. They attended the circus, a ballet, and a concert while in the U.S.S.R. and enjoyed meeting people as they toured, shopped, and rode the subway. Greiner said that some of the people they met knew English and all were very helpful and friendly to the usually lost Iowans.

The Greiners and fellow tour members, Extension Economist Bob Jolly and wife Colleen, are serving as a resource base for the 1985 ISU Ag Travel Course. This group of agriculture faculty and students will visit Berlin and the Soviet Union this summer.

ASAE President Visits ISU

ASAE President Dr. James Anderson, PhD AE62, was in Iowa May 16. Anderson visited the department and presented the dinner speech at the Iowa ASAE Section meeting that evening.

Wille Named IA Section Young Engineer of the Year

Jerry Wille, BS '73, MS '78, received the 1984 Young Engineer of the Year Award of the Iowa Section of ASAE. Wille, president of Curry Wille Associates, has been active in agricultural engineering consulting since graduating from ISU in 1973. His expertise is in commercial and experimental animal production facilities; Curry Wille Associates is recognized nationally and internationally for work in experimental livestock production systems. Wille is active in the ASAE Iowa section and national society and church and local service clubs.

Hushak Wins Regional Student Paper Competition

Mitchell J. Hushak, son of Mr. and Mrs. Victor Hushak, of rural Clutier, Iowa, is the 1985 winner of the Mid-Central Region Student Paper Competition of the American Society of Agricultural Engineers. He presented his paper, "Performance of a Revolving-Tube Vertical Screw Conveyor", at the four-state regional annual meeting April 12 in St. Joseph, Missouri. Hushak received a bachelor's degree in Agricultural Engineering from Iowa State University in December 1984. He is employed as a project engineer with Kraft Foods, Inc., in Springfield, Missouri. Dr. Carl Bern advised Hushak on his paper.

Grain Quality Lab Solves Grain Trading Problems

Developing protein and oil measurements for use in corn and soybean trading is the current
emphasize of the AE Department's Grain Quality Lab. Such measurements, reports, lab director Dr. Charles H. Hurburgh, Jr., could increase grain values by $0.05-$0.15 per bushel.

The Grain Quality Lab was established in 1978 in response to Iowa farmers' concerns about grain trading practices. The two central goals of the grain quality studies are trading fairness and market development. Research has been applied to policy issues, such as the elimination of suction-type grain probes, the recalibration of moisture meters, and the assessment of aflatoxin problems in the 1983 drought-damaged corn crop.

The program has attracted almost $450,000 of outside research support, making it nearly self-sustaining.

Dept. Awarded Fellowships

The AE department won four of the 10 USDA-ARS Graduate National Needs Fellowships granted to ISU. The funded proposal, presented to the USDA and related to water resources, was developed by a team of engineers and scientists from ISU's agronomy, civil engineering, and AE departments. Eighteen of 73 universities received fellowships. Students with excellent academic records and working on PhD degrees will receive $15,000 for the first year's support.

Graduate Faculty Additions

Three members of the AE department faculty were awarded appointment to the graduate faculty. Drs. Charles Hurburgh, Ramesh Kanwar, and Thomas Colvin of the teaching and research faculty were appointed in the last year. Drs. Erdal Ozbek and Stewart Melvin, from the department extension service, were also appointed to associate membership. There are now 15 members of the graduate faculty in the AE department.

Alumni Briefs

In this issue of Davidson Dialogue, we've included names and news from AE and Ag Mech (AM) grads from the graduating classes of 1933 through 1984.

Degree, major (AE or AM), and years of graduation are listed. Cities listed are the alum's home address. If you'd like to contact any of the people listed here, write or call us at Agricultural Engineering Department, 102 Davidson Hall, Iowa State University, Ames, IA 50011, 515/294-1434, and we'll put you in touch.

1933-1949

Clarence B. Richey, BSAE '33, professor emeritus, Purdue University AE dept., retired in 1976, West Lafayette, IN; Ronald A. Loveland, BSAE '42, retired in 1976 from Ford Motor Co. tractor division, Janesville, IA; Thomas Glaque, BSAE '49, president of Health and Wellness Center of Minnesota, Inc., Bloomington, MN; Oscar A. Lunnstrum, BSAE '49, plant manager for Paymaster Seeds division of Cargill, Inc., Lexington, IL; Elmo S. Renoil, BSAE '49, retired professor emeritus, Auburn University AE dept., Auburn, AL.

1952-1957

William F. Davidson, BSAE '52, vice president of design and development, The Singer Co., Easley, SC; Kenneth A. Fineman, BSAE '55, pastor, United Methodist Church, Yuma, CO; Robert E. Davis, BSAE '57, math teacher, Rancho Cotati High School in Rohnert Park, CA; Czarki, CA; J. William Waddingham, BSAE '57, Hancock County engineer, Garner, IA.

1961-1966

LaVerne D. Middlesworth, BSAE '61, senior engineer, John Deere Produc
Engineering Center, Dike, IA; Loren W. Zabel, BSAE '62, major accounts manager for truck engine service, Caterpillar Tractor Co., Fort Mill, SC; Harold P. Feldkamp, BSAE '64, farmer, Sibley, IA; Virgil J. Deardorff, BSAE '64, project engineer, John Deere Des Moines Works, Ankeny, IA; William A. Anderson, BSAE '65, engineering manager, Machete Sports Lighting, Muscatine, IA; Ronald W. Brass, BSAE '66, MSAE '70, senior division engineer, John Deere Dubuque Works, Dubuque, IA.

1970-1979
Douglas P. Brown, BSAE '70, MSAE '71, project manager, Deere and Co. Technical Center, Bettendorf, IA; Surendera Kumar, MSAE '70, project manager, U.S. Army Corps of Engineers in Frankfurt, West Germany; Bad Vibfel, WI; Brian J. Hunter, BSAE '71, assistant engineer for public works, Pottawattamie County Engineering Dept., Council Bluffs, IA; Eugene R. Person, BSAE '71, farmer, Bettavia, IA; Ronald O. Groth, BSAE '72, senior design engineer, Caterpillar Tractor Co., BSAE '69, MSAE '70, Thomas E. Holland, BSAE '72, senior plant engineer, the Maytag Co., Newton, IA; Tom Pollock, BSAE '73, farmer, Malvern, IA.

Ronald Haden, BSAE '74, engineer, Sac City Surveying and Mapping, and farmer, Lytton, IA; Norman Paul Russell, BSAE '74, manager of engineering, Quaker Oats Co., Mechanicsburg, PA; Robert C. Werner, BSAE '74, MSAE '76, farmer, Montezuma, IA; Charles L. Mikesch, BSAE '75, design engineer, EMA Corp. Crane and Excavating Division, Cedar Rapids, IA; Bob Butin, BSAE '76, assistant resident construction engineer and licensed civil engineer, Iowa Dept. of Transportation, Ames, IA; David M. Sommer '74, open plant superintendent, Caroll, IA; David Boeding, BSAE '77, farmer, Princeton, IA; Thomas J. Coligian, BSAE '77, project engineer, Allis Chalmers Corp., tractor division, Franklin, WI; Roger L. Groth, BSAE '77, farmer, Battle Creek, IA; David W. Nelson, BSAE '77, project engineer, Funk Seeds International, Normal, IL; Richard A. Ryerson, BSAE '77, project engineer, Vermeer Manufacturing, Pella, IA; Wayne Tiffany, BSAE '77, field and lab technician for experimental engineering, Allis Chalmers, Independence, MO.

Martin P. Cleveland, BSAE '78, construction and maintenance engineer for the Papio Natural Resources District, Omaha, NE; LeRoy Mills, BSAE '78, U.S. Navy pilot/lieutenant stationed at San Diego, CA; Chula Vista, CA; Kent Oscar Rice, BSAE '78, civil engineer, USDA Soil Conservation Service, Mt. Pleasant, IA; David L. O. Smith, MSAE '78, research engineer/scientist, Scottish Institute of Agricultural Engineering, Penicuik, Midlothian, UK; Michael L. Holler, BSAE '78, researcher, John Deere Product Engineering Center, Waterloo, IA; Kevin L. Holtz, BSAE '79, district salesman, Talbot Carlson Inc., Atlantic, IA; Joseph S. Messer, BSAE '79, manager of applications engineering, Prab Robots, Inc., Kalamazoo, MI.

1980-1984
Christopher Franklin, BSAE '80, extraction operations supervisor, Lawhoff Grain Co., Danville, IL; Jeffrey Hansell, BSAE '80, project engineer, Sundstrand-Hydro Transmission, Ames, IA; Mohd. Zainal Bin Ismail, BSAE '80, research officer, Malaysian Agricultural Research and Development Institute, Penang, Malaysia; Soon-kuk Kwon, PhD AE'80, associate professor, AE dept., Seoul National University, Suwon, Korea; Mike Lentz, BSAE '80, design engineer, John Deere and Co. Product Engineering Center, Waterloo, IA; Mike MacClannaham, BSAE '80, computer programmer, Dept. of the Army at Fort Leavenworth, KS, Easton, KS.

Dean Petersen, BSAE '80, farmer, Atlantic, IA; John K. Skerritt, BSAE '80, soil conservationist, US Soil Conservation Service, Knoxville, IA; Scott Otto Stany, BSAE '80, assistant sales manager, Bush Hog, Selma, AL; Don Barnes, BSAE '81, plant engineer and supervisor for maintenance, Caroll, IA; Washington, IA; Sarah J. Evans, BSAE '81, engine product support representative, Caterpillar Tractor Co., Overland Park, KS; Jim P. Goulet, PhD AE '81, associate professor and head of AE dept., Universidade Federal de Pelotas, Pelotas, Rio Grande do Sul, Brazil; Larry Green, BSAE '81, test engineer, John Deere Plow and Planter, Grand Mound, IA.

Bruce C. Johnson, BSAE '81, design engineer, Building Components of Iowa, Monticello, IA; Michael T. Seile, BSAE '81, associate test engineer, International Harvester, Darien, IL; R. J. (Jeff) Chew, BSAE '82, area service manager, Minneapolis Zone, Chevrolet Motor Division, General Motors Corp.; Daryl F. Klas, BSAE '82, associate food technologist, Ralston Purina grocery products research and development, St. Louis, MO; Jim Korslund, BSAE '82, project engineer, Caroll, IA; Hopkins, MN; Roger L. Reimer, BSAE '82, farmer and rural letter carrier, Denison, IA.

Luis C. Salgado, PhD AE '82, research and teaching, University of Wisconsin-Madison, WI; Ed B. Langan, BSAE '83, MS research assistant, Agronomy Dept., University of Wisconsin-Madison, WI; Ed L. Lamer, BSAE '83, MS candidate in AE/soil and water option, Texas AM University, College Station, TX; Alan R. McConkey, BSAE '83, project estimator, Hoag Construction, Inc., Des Moines, IA; Clyde W. Tiffany, BSAE '83, agronomy pioneer, H.B. Breed International Inc., Malmedy, MN; Matt Miller, BSAE '84, project engineer, Ford Motor Co., tractor operations, Pontiac, MI; Andy Staeblens, BSAE '84, broker, Magenm, Essen, MN.