BAE E-News
SPECIAL EDITION - June 24, 2010

BAE DEPARTMENT HEAD NAMED:
John English, dean of the College of Engineering, has announced that Dr. Joseph P. Harner III will be the 11th department head in Biological and Agricultural Engineering, effective June 13, 2010. Dr. Harner has been serving as the interim head since February, 2009.

TRAVELS:
Many BAE Faculty members and students traveled to Pittsburgh, Pennsylvania to attend the ASABE 2010 Annual International Meeting this week.

G.B. Gunlogson Student Environmental Design Competition: Fountain Wars Contest – 2010 Problem Statements:
Each team prepares a fountain design to meet aesthetics display and technical task requirements. At the contest site, each team is provided with a 1000-L reservoir, up to 30 m of various sizes PVC pipe, and access to 14-amp, 120-volt AC electrical service to power their pump systems. The teams arrive at competition with a fountain design, pump systems, PVC couplers, fittings, valves, and nozzles. After a presentation of their design, teams are given 2 hours to construct their fountain. Upon completion, each fountain was tested for its ability to perform the two technical tasks and the aesthetic display. Awards are based on separate scores of the written design, oral presentation, construction, technical tests, and aesthetics. The K-State team competed against teams from the University of Illinois at Urbana-Champaign, Texas A&M, University of Florida, Oklahoma State and Iowa State. K-State placed second in competition!

K-State’s 2010 Fountain Wars Design Team competition members are: Lorinda Bejot (Dodge City), Kelly Borgen (Ensign), Katie Handley (Onaga), Levi Sutton (Manhattan), Justine Sullivan (Lakin) and Brent Ware (Shawnee Mission). Other team members are: Allie Archer (McPherson), Kari Friedrichs (Marysville), Erin Mason (Greenfield, MO), Breanna Stout (Garden City), Ginger Pugh (Mayetta). Congratulations!

ASABE Robotics Competition: This competition encourages university student teams to create robotic solutions for a “Challenge with an Agricultural Flavor.” Past challenges include: communicating multiple robot systems mimicking a corn harvest operation, harvesting trees in a forest, and in 2010, the challenge is to measure the heights of trees in the same forest. The teams are judged based on performance, design and presentation. K-State’s Robotics Team competed against the University of Florida, University of Nebraska-Lincoln, University of Illinois at Urbana-Champaign, Texas A&M, and Oklahoma State. K-State won first place for the fourth consecutive year!

K-State’s competition team members are: Dan Bigham (Meriden), Joe Dvorak (Manhattan), Wei Han (Canada), Seth Perkins (Wichita), Xu Wang (China), Brent Ware (Shawnee Mission) and Huiquan Zhang (China). Other team members include: Audrey George (Salina), Ryan Goetsch (Overland Park), Katie Hildebrand (Stafford), Grant Keller (St. Francis), Peng Li, (China) and Levi VanPelt (Manhattan). Congratulations to all!

BAE faculty, staff and students wish to express their appreciation to Dr. Naiqian Zhang and Dr. Phil Barnes for their outstanding leadership with the Robotics and Fountain Wars teams!

K.K. Barnes Student Paper Awards: The objective of this competition is to encourage undergraduate students to improve preparation of papers on agricultural and biological engineering subjects. It is intended to supplement training provided in undergraduate agricultural and biological engineering curriculums by providing early practice in the performance required of engineers. The competition is in two parts: written and oral. The top three authors are invited to present their papers in the oral competition during the ASABE Annual International Meeting.
Scott Wiens (Inman) received first place in this competition. Scott competed against students from the University of Missouri and Iowa State. Congratulations, Scott!

2010 AEM Trophy Awards: The Association of Equipment Manufacturers Trophy Awards recognizes outstanding initiatives and accomplishments in ASABE Student Branch activities. The Agricultural Technology Management Branch of K-State placed first in the “Student Mechanization Branch Participation,” and the K-State Student Branch was awarded third place in the “Student Engineering Branch Participation.” Thank you students for all your hard work and making the Department proud!

Rain Bird Engineering Concept-of-the-Year Award: This award is presented to an engineer or engineering team for a unique contribution in the development or advancement of a new engineering concept. ASABE spotlights ideas resulting in new hardware, standards of practice, design trends, and educational methods that significantly affect agricultural engineering or industries. To be eligible for this award, an engineer or team must have published the new concept in Resource: Engineering & Technology for a Sustainable World, the Transactions of the ASABE, Applied Engineering in Agriculture, or some other ASABE publication. Floyd Dowell (BAE adjunct professor), Elizabeth Maghirang (agricultural engineer), and Donghai Wang (BAE associate professor) are three of the five-member team to be presented with the 2010 Concept-of-the-Year Award. The Automated Single Kernel Near-Infrared Sorter reduces the time and cost of sorting individual grain kernels in genetic trials for wheat. Congratulations on receiving this award for your outstanding work!

Educational Aids/Blue Ribbon Awards recognize outstanding efforts and achievements in developing noteworthy educational materials. Drs. Mahbub Alam and Dan Rogers were recognized for their publication Irrigation Management for Alfalfa in the short publications category. In the medium publication category, Dr. Bob Wolf was recognized with three other authors for their publication Nozzles: Selection and Sizing. For the comprehensive publication category, Dr. Morgan Powell along with seven others were recognized for their publication Private Water Systems, MWPS-14, 5th edition.

TEXTBOOK REPORTING REQUIREMENTS REMINDER:
Information about required textbook and supplemental materials must be made available to students for their courses by July 1, 2010. Textbook information must be correct and only provided when faculty know the textbook they will use. If there is no textbook for a course, this information must be provided to the bookstore. Go to: http://www.k-state.edu/isishelp/faculty/textbookreportingF.pdf for instructions on reporting textbook information.

THOUGHT FOR THE WEEK:
“Adversity causes some men to break; others to break records.”
--William Arthur Ward

LOOKING AHEAD:
- June 11-July 23 – MAPS Project IMPACT Summer Bridge Program (6 weeks)
- June 22-25 – Freshmen enrollment
- June 20-23 – ASABE Annual International Meeting, Pittsburgh, Pennsylvania
- August 19 – BAE Faculty Retreat (off campus)
- August 20 – SafeZone At-Risk Training Program Deadline
- August 23 – Fall classes begin
- August 24 – COE Welcome Back BBQ (Faculty, Staff and their families), 5:00-7:00 p.m.
- September 16 – COE Fall Convocation, 3:00 p.m., Fiedler Auditorium
- September 21 – Career Fair Banquet
- September 21-22 – University Career Fair
- October 15 – Scholarship Day

Please submit your news and travel information to Barb Moore bjmoore2@ksu.edu