

KANSAS STATE UNIVERSITY

College of Agriculture • Fall 2012

AgReport

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AgReport

Fall 2012

College of Agriculture
and the
Kansas State University
Agricultural Experiment Station
and Cooperative Extension Service

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From the Dean and Director



Dan Donnet

U.S. Secretary of Agriculture Tom Vilsack, left, and John Floros, dean of the College of Agriculture, attended the 150th USDA anniversary event and dedication of the Wind Erosion Building.

On August 1, 2012, I officially became dean of the College of Agriculture and director of K-State Research and Extension. I feel truly fortunate to be a member of the Kansas State University faculty.

Agriculture has been an integral part of K-State since its inception, when it was originally founded as a land-grant institution under the Morrill Act and named the "Kansas State Agricultural College" on February 16, 1863.

Today, K-State's College of Agriculture is a forward-thinking, student-friendly college with a diverse offering of outstanding academic programs.

Students have many leadership, community service, internship, and study-abroad opportunities. This magazine highlights a few of those student activities and awards.

Several articles feature our alumni who volunteer their time and energy in support of the college and K-State Research and Extension programs. A strong alumni base is essential to promote our programs and increase student internship opportunities.

Our research and extension programs are widely recognized for discovering solutions and disseminating information that help our citizens live better now and in the future.

The College of Agriculture and K-State Research and Extension have a proud history and a bright future. Together, they make a dynamic, well-respected academic entity with an enviable reputation.

Our excellent faculty and staff are committed to student learning and success. Many have recently been recognized by the university and national organizations for excellence in teaching and research.

The research and extension activities of our faculty and staff support the state's agriculture-related industries, natural resources and the environment, while contributing to community and youth development, and a safer, healthier, and more sustainable food supply.

Together we will focus our efforts, continue to improve our programs, and make life better for our students, faculty, staff, and for the people of Kansas, the nation, and beyond.

I look forward to meeting many of you at K-State events, such as the college tailgate party November 3, and during my travels throughout Kansas.

John D. Floros
Dean and Director

On the cover

Agronomy student Bryson Haverkamp, Bern, Kan., conducts research on nitrogen use efficiency in wheat varieties with associate professor Nathan Nelson in a Throckmorton Hall lab.

Photo by Dan Donnert

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Ag Alumni Class Notes

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News Briefs



From left: Major David Larres; Kerri Ebert; Paula Peters, assistant director for family and consumer sciences; Steven Graham, assistant to the dean and director; Lt. Col. Christopher Zielke, commander of the Wounded Transition Battalion; and Col. Craig Webb during the ribbon-cutting ceremony for the high tunnel at Fort Riley.

K-State, Fort Riley Team Builds Greenhouse for 'Wounded Warriors'

Volunteers from K-State's Department of Biological and Agricultural Engineering, Fort Riley extension personnel, citizens from the Manhattan area, and Fort Riley soldiers built a greenhouse, or high tunnel, that will serve as a center for important therapy for injured soldiers.

The post's indoor garden, which will be an ally for soldiers who have suffered concussions or other traumatic brain injury, was officially dedicated July 2, 2012.

"For the soldiers, it's an excellent opportunity to train and learn new skills while they're recovering from their traumatic brain injury," said Col. Craig Webb, the deputy commander for clinical services at Fort Riley. "They can learn to take care of plants, they can learn sequential events, and they can learn to hone their memory."

The project is funded through a grant from the Assistive Technology for Kansans and K-State Research and Extension's Kansas AgrAbility project, which focuses on helping people with disabilities working in agriculture-related occupations.

"This high tunnel will provide exposure to vocational options that will be available to them when they're discharged," said Kerri Ebert, who coordinates the AgrAbility program. "It's a natural part of what AgrAbility does; we work with farmers ... and people who want to be farmers."

New Ways to Combat Stem Rust

The USDA Agriculture and Food Research Initiative, collaborating with the international Borlaug Global Rust Initiative team, funded a project on functional genomics of stem rust–wheat interaction. Eduard Akhunov, K-State associate professor of plant pathology, and Jorge Dubcovsky, University of California-Davis, are leading a team to investigate molecular interactions among the cloned Ug99 resistance gene (Sr35), pathogen effectors, and their wheat targets.

Ug99 is a lineage of wheat stem rust present in Africa, the Middle East, and Asia. It is predicted to spread rapidly through those regions and beyond.

The long-term objectives of this project are to explain molecular processes defining the outcome of rust–wheat interaction and create genetic and genomic tools to develop better disease control strategies.

Detailed functional analysis of the Sr35 gene and the stem rust–wheat pathosystem promotes the analysis of next-generation sequence data, functional analysis of genes using in vitro/in vivo assays, and reverse genetics approaches.

This collaborative approach allowed researchers to quickly clone and validate the first Ug99 resistance gene, making it possible to investigate the molecular mechanisms of pathogen recognition.



Bidwell Family Fountain Newest Addition to KSU Gardens

The beautiful, three-tier fountain that graced the cover of the spring 2012 *K-State AgReport* was officially dedicated during All-University Open House on April 21, 2012. The fountain was donated to the Kansas State University Gardens by the Bidwell family to honor Orville Bidwell, professor emeritus of agronomy.

At the dedication, K-State Provost April Mason and Gary Pierzynski, interim dean of the College of Agriculture, thanked the family for their generosity. Ann and Bob Bidwell spoke briefly about their father, Orville. Rhonda Janke, associate professor of alternative crops, shared how Professor Bidwell motivated her with his passion for teaching and vision for sustainable agriculture. Quotes from Bidwell's writings are engraved on two plaques on the fountain pool wall.

The fountain, which is north of the Conservatory, inspired the "Three Coins in the Fountain" theme for the Garden Gala on June 1, 2012. Friends of the KSU Gardens host the annual event to raise funds for student internships.

Visitors can view the lighted fountain day or night, and sensors in the top two tiers keep visitors dry by limiting the water flow when it is windy. If temperatures stay above freezing, the 12-foot fountain will be operational through the home football season.

The Bidwell family at the fountain dedication (from left): Avis Bidwell, Orville's wife; cousins Nancy Horujko and Diane Pauley; Ann and Bob Bidwell, Orville's children; Bob's wife, Jonelle, and son, John.

Ruberson Ready to Build on K-State's Entomological History



Dan Dornier

John R. Ruberson joined the K-State faculty on Aug. 5 as head of the Department of Entomology. He had been at the University of Georgia since 1994, where he was site coordinator for

entomology research, extension, and instruction activities at the university's Tifton campus.

When asked why he accepted his new job, Ruberson responded, "I chose to apply at Kansas State and ultimately to accept the offer for a couple of reasons.

"First, I love the deep historical heritage of KSU in entomology and agriculture, and the department has terrific people doing great things. I am excited to be able to work with and for them to build on that remarkable history.

"Second, the university as a whole is transforming with the new millennium, and being a part of that transformation to better execute the vision of the land-grant mission is compelling and challenging. It seemed like a great opportunity all around."

Ruberson earned a bachelor's degree in biology teaching and a master's

degree in zoology, both from Brigham Young University. He earned a doctorate in entomology with a minor in plant pathology at Cornell University.

His research focus at Georgia has been on the biological control of insect pests and integrated pest management in row-crop and vegetable systems.

Ruberson plans to meet with faculty, staff, and students on campus and at offsite research locations during his first months on campus.

"I want to better understand their perspectives, interests, and needs, and to become familiar with how the department culture fits in the university," said Ruberson. "After I have become more familiar with the department and our upper administrators, then we will develop goals and directions for the department to build our capacity and contribute to the success of the K-State 2025 plan."



Kristi Northcutt

K-State Olathe hosted the C3 Food Science Camp (Choice, Change, Challenge), July 23 to 25 through a partnership with K-State Research and Extension – McPherson County.

During the three-day camp, 12 McPherson High School students learned about food science with interactive and hands-on curriculum, labs, and business tours. Campers learned about food safety, processing, and science, including a lab with a senior applications scientist from DuPont Nutrition & Health, where they learned about the molecular gastronomy of food. They also selected and purchased fresh ingredients from the Kansas City River Market that they used to prepare paella, a saffron flavored dish containing rice, meat, seafood, and vegetables. The camp was funded through a grant from Cargill.

Above: Bryan Severns (BS '10 food science), K-State Olathe manager of food programs and services in the purple butcher's cap, shows students how to properly grind sausage for the paella.

Agriculture Plays Important Role



Division of Communications and Marketing (2)

U.S. Secretary of Agriculture Tom Vilsack reaffirmed the importance of earning a degree in agriculture and the vital role agriculture plays in American security and the economy during his Landon Lecture at McCain Auditorium on April 10, 2012.

"I've chosen this opportunity to rise in defense of agriculture and speak candidly and passionately about the importance of agriculture and how underappreciated and underrecognized agriculture is in this country," stated Vilsack.

He then gave seven reasons why agriculture is important to Americans and the world:

Food security. America is food secure because U.S. farmers produce 85 percent of the food consumed. The other 15 percent is imported for variety, such as fruits and vegetables not in season in the United States.

Capacity to feed the world. There are 925 million undernourished in the world today, with projections that the world population will grow beyond 9 billion in the lifetime of people seated in the audience. Food production will need to rise significantly to meet that demand.

Expanded exports. Agriculture accounts for 10 percent of all U.S. exports. Last year set a record of \$137 billion in agricultural exports, with China, Canada, Mexico, Japan, Korea, and the European Union as the top customers.

Job growth. Food production requires sophisticated equipment, which creates manufacturing jobs. Food must be stored, transported, processed, packaged, marketed, retailed, and consumed. Agriculture is responsible for 1 of every 12 jobs in America.

"Every billion dollars in export sales generates 8,400 jobs," he said. "We need to invest in research and education to produce more."

Energy security. Three years ago, the United States imported 62 percent of its oil from other countries. That number is now 45 percent by using rural areas to create renewable energy and using biofuels and alternative energy.

"There are 3,100 American companies producing something — a chemical, a fabric, a polymer, or a fiber — from livestock, crop, and residue-based feedstocks," explained Vilsack.

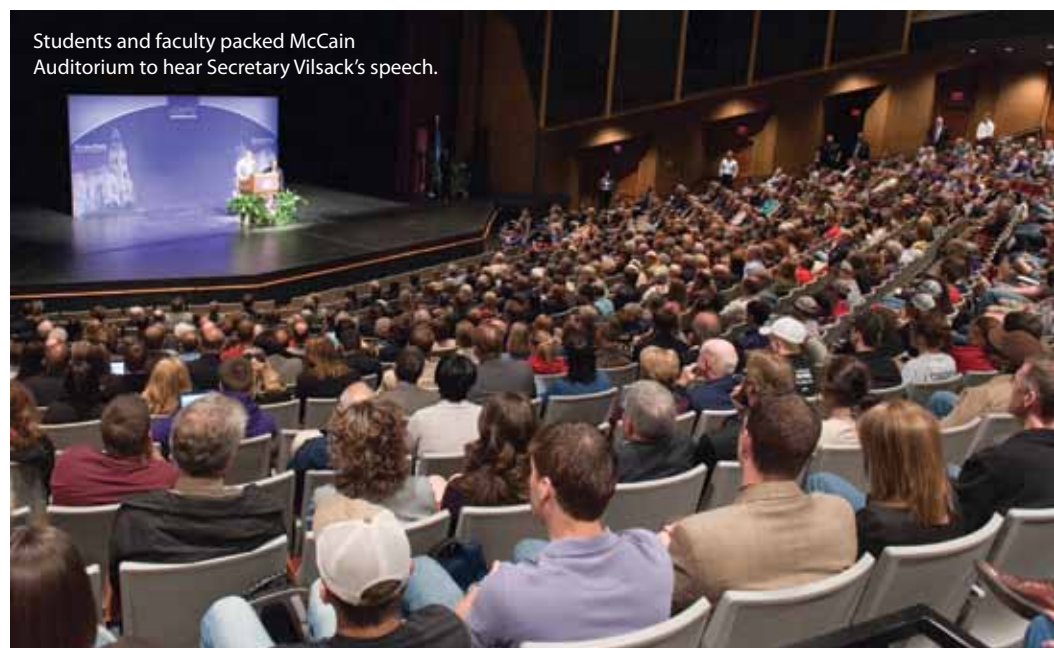
Rural values. Vilsack said he believes there are no better stewards of the land and water than farmers and ranchers. The number of acres in conservation programs is at a record high, which is important for the \$730 billion outdoor recreation industry and the environment.

Opportunities for immigrants. Vilsack explained that most food and livestock are touched, fed, inspected, and butchered by hired labor; many of them immigrants.

He closed his speech with a challenge to K-State students studying agriculture.

"You have the unbelievable opportunity to reacquire people in this country with the extraordinary work of American farmers, ranchers, and producers," Vilsack said.

"You are an ambassador for American agriculture and all the good it stands for. Don't be bashful; don't be humble about this. Tell folks. Broadcast. Share it. Don't let the conversation be insular within agriculture — you've



Students and faculty packed McCain Auditorium to hear Secretary Vilsack's speech.

got to talk to the other 98 percent. We've got to tell the country about its strong, great, extraordinary future that began, continues, and will always be because we have farm families. We are extraordinarily blessed — and you have a mission. Seize it."

Breakfast with the Secretary

Nineteen College of Agriculture student leaders had the opportunity to attend a breakfast with U.S. Secretary of Agriculture Tom Vilsack before he gave his Landon Lecture.

Meghan Blythe, a junior in agricultural economics from White City, attended the breakfast and lecture.

"I appreciated Secretary Vilsack's encouragement of women in agriculture," said Blythe. "After breakfast he sought out a group of female students, and he made a point to tell us how important it is that our voices be

heard in the agriculture industry.

"In his lecture you could tell that he believed in our generation, and meeting him was no different. He encouraged and challenged us as future agriculture leaders to step up and find innovative solutions to our nation's problems.

"Hearing Secretary Vilsack emphasize the importance of an agriculture degree really empowered me and made me feel valuable to the success of our nation."

U.S. Sen. Pat Roberts, U.S. Rep. Lynn Jenkins, and K-State College of Agriculture faculty and administrators also attended the breakfast.

"In the news and especially with the Farm Bill debates, we hear a lot about Secretary Vilsack and the legislators working on the legislation," said Garrett Kennedy, junior in agronomy from Phillipsburg. "This breakfast provided

a great opportunity to show the personality and character of the people working on the front lines that affect our way of life every day.

"At the breakfast, we covered topics from NBAF and jobs for agriculture graduates in the USDA to asphalt adhesive made from swine manure and rubber from dandelion sap. The questions and candid conversations helped show the nature of the statesmen that represent us and provided great hope for the future of agriculture."

Don Boggs, College of Agriculture associate dean, stressed the value of this experience for the students.

"The students were able to listen to these leaders and to ask questions," Boggs said. "It was a huge opportunity for students to interact with and absorb information from people who are involved with agriculture on the national level."

Meeting Future Needs

The Coalition for a Sustainable Agricultural Workforce estimates that in the next 40 years the global population will increase by 2.4 billion to more than 9 billion, which will require double the food production and more efficient distribution systems.

To help meet those needs, more graduates are needed to fill agriculture-related positions.

The agricultural, food, and renewable natural resources sectors of the U.S. economy will generate an estimated 54,400 annual openings for individuals with bachelor's or higher degrees in food, renewable energy, and environmental specialties between 2010 and 2015 — 5 percent more than during the previous five-year period.

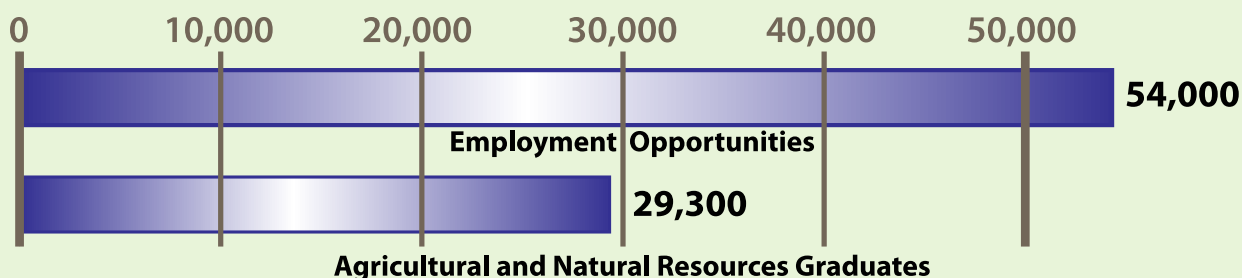
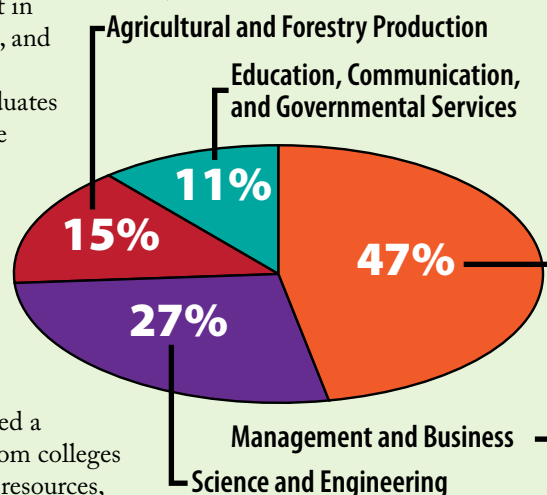
Seventy-four percent of the jobs are expected in business and science

occupations; 15 percent in agriculture and forestry production; and 11 percent in education, communication, and governmental services.

At the present rate, graduates from colleges of agriculture and life sciences, forestry and natural resources, and veterinary medicine will be able to fill 55 percent (29,300) of those jobs. The remaining 24,200 will need to come from allied fields.

Employers have expressed a preference for graduates from colleges of agricultural and natural resources, who tend to have relatively stronger interests and more extensive related work experiences.

Employment Opportunities



U. S. Department of Agriculture

Recent graduates share how degrees from the College of Agriculture opened doors for employment opportunities.

Name: Lisa Stork

Degree: BS 2008 in park management and conservation (interpretation option) and currently pursuing a master's degree under Ted Cable at K-State

Current occupation: Science education specialist at the Flint Hills Discovery Center in Manhattan, Kansas

"I work with the education staff at the Flint Hills Discovery Center — which includes myself, another education specialist, and the curator of education — to develop and implement programs to help people of all ages learn about and connect with the Flint Hills of Kansas.

"I also helped write the content for our Interpretive Volunteer Manual and work with our volunteers to help them learn about interpretation and practice their interpretive skills. I am fortunate enough to be doing what I went to school to do. Kansas State helped me to gain the skills that I needed to be an interpreter as well as help others learn about the field of interpretation. I use the information I gained from K-State every day, and I wouldn't be in a job I enjoy so much if it wasn't for Kansas State!"



Courtesy of Lisa Stork

Name: Sam Scott

Degree and year: BS 2012 milling science and management/ bakery science and management

Current occupation: Assistant food technologist for the Kellogg Company in Battle Creek, Michigan

"I was a preprofessional intern with Kellogg from January through July 2010. The group I work for is Core Technology and Cost Optimization, where I mainly handle snack-based projects for the network technology team. Our group is different because we don't typically work with new product innovation, but we support our production facilities and business through other improvement and optimization projects. This can be done through line speed increases, qualifying different facilities for production, process capability studies, and many other quality-driven initiatives.

"Many of the courses I had in the College of Agriculture and more specifically the Department of Grain Science and Industry have prepared me for success in this role. There are many opportunities to get hands-on experience in many grain science lab sessions. I know that, because of the experiences I had at KSU, I have a leg up on many new hires."



Courtesy of Sam Scott

Name: Elizabeth Yeager

Degree and year: BS 2003 and PhD 2011, both in agricultural economics

Current occupation: Assistant professor of agricultural economics at Purdue University in West Lafayette, Indiana

"I teach three courses in the Department of Agricultural Economics at Purdue University and conduct research in the areas of agribusiness management and production. At K-State, I served as a small group leader in the freshman agriculture orientation class, while serving as an Ag Ambassador. As a graduate student, I had the opportunity to guest lecture and serve as an instructor for a food and agribusiness marketing course.

"These experiences provided excellent training for my teaching today. In addition, K-State has some of the best faculty in the nation. If it was not for the excellent professors I had at K-State, I would not have chosen this career path. As a student at K-State I conducted research at both the undergraduate and graduate student level, these experiences have helped to make me a better researcher. I am also better prepared for working with agricultural producers because I recognize how much they value the guidance and information provided by faculty in the College of Agriculture."



Courtesy of Beth Yeager

Name: Jim Gilpin

Degree and year: BS 2011 agricultural education

**Current occupation: High school teacher
in Erie, Kansas**

"I am currently employed by Erie High School where I teach agriculture education to grades 9 through 12, including classes such as agricultural business and leadership, animal science, agricultural science, and a multitude of welding courses. These classes allow me to use and expand on knowledge that I acquired at K-State. I am also the FFA adviser. Over the past year, Erie FFA has been recognized on both the state and national levels.

"During my time at K-State, I was employed by the K-State Horse Unit. Upon completion of my courses on the K-State campus, I moved on to do my student teaching internship at Buhler High School in Buhler, Kansas."



Courtesy of Jim Gilpin

Name: Jessica Rodriguez

Degree and year: BS 2011 food science and industry

**Current occupation: Quality engineer for General Mills
in Belvidere, Illinois**

"I monitor and maintain product quality and safety in the cereal packaging department of our Belvidere plant. On a daily basis, I protect the brand by ensuring that product is safe for our consumers, and it is the quality that they expect. Strategically, I work on initiatives to improve and streamline quality processes, such as food safety plans, food safety monitoring, ways to identify risks and fix them before they occur, sanitation practices, and support major projects to ensure that changes to the lines meet our quality standards.

"My K-State education provided me with both soft and hard skills, including technical knowledge and critical thinking. I use my knowledge of food microbiology and chemistry when thinking about sanitation practices and intrinsic properties of our products. The technical knowledge of HACCP put me ahead of other new people in my position. My education also developed my critical thinking for risk assessment. Through leadership opportunities at K-State, I also acquired interpersonal skills that help me work as a team with my peers, as well as with operators on the plant floor."



Courtesy of Jessica Rodriguez

Name: Cody Barilla

Degree and year: BS 2011 agronomy

**Current occupation: Agriculture and natural resources
agent in Reno County**

"I had the opportunity to transition from a student in the College of Agriculture to an employee of K-State Research and Extension. I am able to utilize the relationships that I had built with professors during my time at Manhattan to answer questions and develop educational programs for my job. I took a wide range of classes, including agricultural economics, animal science, agronomy, plant pathology, and entomology. The diversity in the classes I took were a great benefit to me because now I am a source of information for many people who have agriculture questions.

"On any given day, I might have a program focused on wildlife management, get a call from someone asking for hay prices, talk to a farmer about crop issues, and visit with a dairyman about forage. I know a little about a lot of things and this base knowledge allows me to ask the right questions and talk to the right people to come up with a solution.

"My work as an extension agent allows me to continually improve myself through professional improvement opportunities. One of my latest professional development adventures has been through the Kansas Environmental Leadership Program. This program allows our group to dive deeper into water-quality issues throughout Kansas. This program is an eye-opening experience for people interested in a sustainable future."

[Editor's note: More than 200 College of Agriculture graduates work for K-State Research and Extension as agents and specialists.]



Courtesy of Cody Barilla



John Floros, left, talks with Dan Devlin, director of the Kansas Center for Agricultural Resources and the Environment, during the dedication of the USDA Wind Erosion Building.

New Dean in Town

John Floros begins his tenure as K-State's dean of the College of Agriculture and director of K-State Research and Extension at an exciting time.

The college has experienced a 25 percent enrollment increase from 2007 through 2011, and the numbers look promising for fall 2012. The university is preparing to celebrate its 150th anniversary as Kansas' land-grant institution, and the college is developing its plans to align with the university's Vision 2025 plan to become a Top 50 public research university by 2025.

Floros' strong background and belief in the land-grant system was a factor in accepting the position. After earning a doctorate in food science and technology at the University of Georgia, he spent 12 years teaching and conducting research at Purdue University and another 12 years as a professor and head of the Department of Food Science at Pennsylvania State University. UGA, Purdue, and Penn State are all land-grant universities.

"The biggest strength of a land-grant is the tripartite function of teaching, research, and extension," said Floros. "Research allows discovery to take place and knowledge to be gained, teaching and extension disseminate the knowledge, and extension applies that knowledge for direct benefits to the citizens of the state, the nation, and the world."

K-State's Vision 2025 Plan also influenced his decision to accept the dean and director position.

"I like the clear message and the upward move of the plan," Floros explained. "It was something I've done at Penn State already and found it familiar and worthwhile."

"The College of Agriculture and K-State Research and Extension are already highly ranked nationally," Floros said. "The quality of our teaching, research, and extension programs is well recognized and respected; however, if Kansas State is to become a Top 50 research institution in the nation, we must all do our part and pull our weight. This means that the College of Agriculture and K-State Research and

Extension must continue to improve and become one of the Top 5 such institutions in the country.”

In June 2011, Floros spoke at the American Meat Science Association Reciprocal Meat Conference in Manhattan on “Feeding the World — The Role of Science and Technology in Addressing the Challenges.” At the time, he had not decided to apply for the position. K-State faculty and students made a strong impression.

“The biggest strength of a land-grant is the tripartite function of teaching, research, and extension.”

“All the K-Staters I knew before my interview were very interesting, down-to-earth, good people,” remarked Floros. “During my interview, everybody I met with had exceptional professional and personal qualities. They were friendly, welcoming, and made me feel at ease. Coming back to work with such great people is a privilege for me.”

To become familiar with the diverse organization that he oversees, the new dean and director plans to visit many of the county offices and centers throughout the state to talk with alumni, friends of the college and K-State Research and Extension, and stakeholders. Listening sessions with faculty, staff, and students also are high on his agenda.

Floros describes his leadership style as situational.

“It changes according to the circumstance and the need,” he said. “Mostly, I like to listen, develop consensus, articulate common goals, and point toward the right direction. I don’t like to micromanage, unless it is absolutely necessary.”

Even though Floros didn’t officially become dean and director until August, he was on campus in April for Secretary

of Agriculture Tom Vilsack’s lecture and the dedication of the new USDA Wind Erosion Building.

“Secretary Vilsack’s lecture was an inspiring talk about the tremendous contributions of agriculture to our citizens’ well-being and to our nation’s success,” Floros said. “It also had a clear message for our students and younger citizens to consider the many programs of study in agriculture for their future training and success.”

Floros also met with the Dean and Director’s Advisory Council.

“This group of distinguished individuals acts as wise advisers and as a mirror for us to see who we really are,” Floros stated. “They volunteer their time, energy, and ideas to help the college and K-State Research and Extension remain relevant, become better, and continue to move forward with certainty. Our heartfelt thanks go to all of them.”

Floros realizes that students, alumni, and parents are interested in his plans for the college. As a native of Athens, Greece, he adamantly supports international study.

“Study abroad opportunities are absolutely worthwhile,” Floros said. “The world is getting smaller every day, and our students will have to compete with other students from around the

world. We must provide them with the means to understand the new world and to compete successfully.”

During the summer the college had study abroad trips to Australia, England, Germany and Switzerland, Italy, Ireland, India, and Brazil.

“The college averages about 115 students traveling abroad each summer,” Floros said. “We hope to build the program and increase the number of students who apply for international experiences.”

Caleb Wurth, who is completing a degree in feed science and management, was the undergraduate student representative on the dean and director search committee.

“It was great to have the opportunity to serve on a committee with so many individuals who share a common commitment to the future of K-State,” said Wurth. “The dean of the College of Agriculture and director of K-State Research and Extension has such a large impact on the lives of K-State students. Having a student on the panel granted us voice in the future direction of Kansas State University.

“Having served on the search committee, I am able to express to the student body my confidence of the positive impact our new dean will have on all of us in the upcoming years.”



During the Dean and Director’s Advisory Council meeting, John Floros visits with David Rock (BS ‘80 agricultural mechanization, MAB ‘03).

Family-owned dairy makes a difference in western Kansas

From Cow to Cup



David, Tom, and Ken McCarty in front of the McCarty Family Farms, LLC, Rexford facility.

Tom McCarty chose to move his family's century-old dairy from Pennsylvania to Kansas in 2000.

"To make a long story short, there was absolutely no future in Pennsylvania long term to be in the dairy business," said McCarty, whose dairy was milking about 200 cows daily before relocating near Colby.

Tom and his four sons — Clay, Mike, David, and Ken — own McCarty Family Farms, LLC, with dairies in Rexford, Bird City, and Scott City. The

three dairies produce about 59,000 gallons of milk per day, milking 7,000 cows, twice a day, 7 days a week.

In 2012, the McCartys announced the completion of a multimillion-dollar milk processor and evaporator at the Rexford facility. In June, they signed an exclusive rights agreement to provide all of the condensed skim milk for Dannon Yogurt's plant in Fort Worth.

"We are a family dairy, I think that's a key reason they chose to work with us," Tom McCarty said. "We're quality

conscious, we believe in consistency, and I guess they look at us as a family."

Modest Beginnings

Tom McCarty's great-grandfather started the family business in northeast Pennsylvania 105 years ago, milking seven cows. Tom's grandfather had 20 milking cows, and Tom's father doubled the business to 40 milking cows.

"In 1970, my wife and I built a new facility and got up to 80 cows; soon we doubled it to about 150," Tom said.

All four sons were active in the dairy growing up. As young adults they showed an interest in being partners, but the Pennsylvania dairy was not going to grow enough to support five families.

"Our options were few and far between to continue to grow and stay in the dairy industry," said David McCarty (BS '02 animal science). "You move to western Kansas, there's feed, and there's nothing holding you back as far as growing ... that was the biggest draw."

Expansion Opportunities

In 2000, their new Kansas operation was milking 800 cows and was primed for new opportunities.

"Economics changed, the dairy industry changed, the lending industry changed, and we were forced into milking more cows in a less expensive way," said Ken McCarty (BS '05 animal science). "So we added some open lots, pushed up to about 1,200 head of milking cows, and a little bit later added more open lots and pushed upwards of about 1,600 head of milking cows."

By 2009, they added a heifer yard with 3,500 animal units and had nearly 6,000 head of livestock at the Rexford location.

A bonus to the dairy expansion involved growth in the area.

"By bringing the McCarty dairy to northwest Kansas and creating the jobs and ... increasing the enrollment in schools ... has made a huge impact for us," said Christy Rocca, director of the Thomas County Economic Development Alliance.

In late 2011, McCarty Family Farms purchased the dairy in Scott City, primarily to fulfill the agreement with Dannon.

The McCartys invited area residents to an open house at the Rexford plant on June 13, the day after the official ribbon cutting with Dannon representatives and state officials.



David Dunn

“When Scott City came around, it was to fill the raw milk needs for the plant,” David said. “We needed about 500,000 pounds of raw milk per day, and in order to do that, we needed to have a third facility.”

Relationship with K-State

David and Ken McCarty said their years at K-State helped them develop relationships that have extended well into their professional life. Tom McCarty noted that several members of the extension and teaching faculty — especially animal scientists Mike Brouk, John Smith, and John Shirley, as well as biological and agricultural engineer Joe Harner — helped them even before the move to Kansas.

“K-State had and continues to have a great reputation,” Tom said. “We had a good relationship with Penn State, and it was the same here. People you can trust; we worked together very well.”

Ken noted that the university’s staff helped design the dairy as well as advise on financial decisions.

“K-State helped with the overall concept and the basic ideas and critical

components,” Ken McCarty said. “We don’t have time to pour over research journals and do studies, that’s why we lean on those guys. They’ve been a phenomenal help.”

As a K-State student, “there were times I didn’t always like what they had to say, but turns out, they were always right,” David McCarty said. “It’s been a great relationship that continues today, and I look forward to it in the future.”

Care for Natural Resources

In the main facility at Rexford, McCarty Family Farms has positioned itself as a “net-neutral, or a net-negative water user,” according to Ken McCarty.

“We’ve added 500 head of lactating cows,” he said. “Cows drink a lot of water, but we actually draw less water out of our well today than we did a year ago.”

Water to the facility is filtered, purified, and eventually used as drinking water. It is then drawn from the milk in the newly built evaporator and used in lagoons and cropland.

“The lifecycle of a gallon of water on this farm is pretty dynamic,” Ken said. “Water can be recycled anywhere from two to six times on this dairy before it eventually ends up out on the fields.”

“We basically use zero commercial fertilizer on our ground, and we also have enough effluent waste to spread on other farmers’ grounds. We recycle all of our sand bedding. Everything is done on these farms for economic reasons but also for sustainability reasons. We try to recycle and reuse and be as efficient as we can be.”

The Future

The farm’s system is so efficient that milk from Kansas goes from “cow to cup” in about 48 hours. That includes shipping the product to the Dannon facility.

“This agreement can mean long-term sustained growth,” Ken McCarty said. “Hopefully, it will mean a more stable business for my son to come back to, my brothers’ kids to come back to. Ultimately, we hope a cheaper product for them.”

“Our partnership with Dannon is unique,” said David McCarty. “It’s great to be part of, plus we get to do what we enjoy. I don’t wake up and go to work every day; I get to go to the dairy.”

To learn more, watch these videos
www.ksre.ksu.edu/environment
www.ksre.ksu.edu/community

—Pat Melgares



Dan Donert

David McCarty checks equipment with an employee at the Rexford dairy.



Vitally Viral

Crazy. Weird. Insane. Unbelievable. Overwhelming.

Those are the words that come to mind when people ask what it's like to have a video go viral on YouTube and become an overnight sensation. The reality of what has happened to me and my family since I posted our video, "I'm Farming and I Grow It," is so hard to comprehend. We were not prepared for millions of views, instant recognition, and appearances on national television.

By Greg Peterson

senior in agricultural communications and journalism

I had entertained the idea of creating a "farming music video" for some time. After working on my personal music YouTube channel for more than a year, I created a channel specifically for farming videos hoping to inform people about agriculture through a portrayal of our family farm.

The first videos were mainly informational in nature. Although people found them interesting, they only garnered a few thousand hits. I knew that in order to get more hits, I would have to come up with something a bit more compelling.

The idea for the song "I'm Farming and I Grow It" came to me in late May, while spending time with friends at a Manhattan restaurant. The original song, "I'm Sexy and I Know It," was on the radio.

I told my friends how much the song annoyed me; however, by the time the chorus rolled around, I managed to change the words to something more desirable. I changed "sexy" to "farming" and then "know" to "grow."

My friends thought it was pretty funny, and I filed it away in my head, figuring it was just another one of my silly jokes that my friends have grown so accustomed to over the years.

After mentioning it to my roommates and several other friends, the idea started to pick up steam. Different lines formed in my brain, such as "passion for my plants," and "Gotta feed everybody." Before I knew it, an entire parody was being formed. One night during finals week, I was having trouble sleeping and decided to get up and finish writing the words.

My brain is always the most creative in the middle of the night when I am exhausted but still awake. That's my only explanation for how entertaining the words turned out to be.

After spring semester, I returned home to work with my dad and brothers, Nathan and Kendal, on the

family farm. I mentioned the song to my brothers and — after some discussion — we decided it would be fun to record the song and make a video. We spent one night recording the audio and the next few days creating a storyboard for the scenes in the video.

We began filming in the middle of wheat harvest. After working 13-hour shifts, it was difficult to wake up to film at 6 a.m. I kept telling my brothers it would be worth it in the end. They were hesitant to believe me at first. But after they saw some of the epic shots we had taken, they began to get as excited as I was for the final product.

It took three weeks to film the video. My sister, Laura, helped us with the filming by letting us know if we were in the right spots and moving the tripod when necessary.

Nathan and Kendal were responsible for coming up with hilarious scene ideas on the spot, when our original idea didn't pan out like we wanted. We improvised many scenes. If our first take was dry, Nathan would say, "We just have to make it funny."

As the video came together, we realized that it had a lot of potential. The project started as something I wanted to do with my brothers for fun. The more we filmed, the more I began to focus it on promoting agriculture.

I figured it would be viewed by my friends on Facebook, many of whom don't know much about the farm. That was my goal, to educate some of my "city friends" on what agriculture was really about. Little did I know it would become so much more.

At the end of the three weeks, I compiled and edited the video. The whole family watched the finished product for the first time, and we couldn't stop laughing. It was funny because it was us, and we love laughing at each other. We had no idea others would enjoy it as much as we did.

In one whirlwind week after posting the video, we racked up more than 2 million views, were flown to New York to be on a Fox News morning show, and became the subject of thousands upon thousands of media articles and news features. It was almost too much to handle.

Many large decisions had to be made in the weeks after the video was released that brought a significant amount of stress to my life. My family and I have done our best to stick to our priorities: maintaining our close relationships, our faith, and staying true to who we are. We found that if you begin to focus on other things, your priorities will begin to fall apart and you will start to go crazy.

Being an agricultural communications and journalism major at K-State has definitely played a huge part in my ability to handle this whole situation. I never dreamed when I was sitting in class that I would be putting the information I was learning to use so soon! I am thankful to my department for their role in training me and preparing me for what I experienced.

Some people have labeled my brothers and me as "the new faces of agriculture." Although we hardly feel qualified, we are thankful that we now have the opportunity to be a voice for agriculture around the world. We also thank the many agriculture leaders — who have put in a lot more work than we have fighting for agriculture. Without them, our video may not have had the same impact.

I believe social media played a huge part in the success of our video. People need to realize the power of social media and harness it to whatever cause they want to promote.

The agriculture circles around the country did a great job picking up our video and sharing it with everyone they knew, and it showed in how quickly our video picked up views. I believe if we continue to work together to spread the message of agriculture through social media, we could get a lot accomplished.

Devon Stewart, agricultural communications and journalism senior from Courtland, interviews the Peterson family (from left): dad David, Nathan, Laura, Greg, Kendal, and mom Marla.



Dan Dornier

Students participate in all aspects of research projects

Learning in the Lab

presented their research posters at the College of Agriculture Undergraduate Research Showcase on April 27, 2012.

Haverkamp became interested in a research project when he took Nelson's Soil Fertility class. He chose to study the nitrogen use efficiency in winter wheat varieties for the 2010 to 2011 growing season. He wanted to see if producers could lower fertilizer costs by selecting varieties that used nitrogen more efficiently to produce more grain.

He analyzed soil samples before planting, collected tissue samples at heading and maturity, measured grain yield at harvest, and analyzed the grain for nitrogen.

After compiling the data, he wrote an abstract and created a poster. He

presented the poster at the joint meeting of the American Society of Agronomy, Soil Science Society of America, and the Crop Science Society of America.

His travel to the meeting was funded through the Golden Scholar Program, which allowed him to shadow an industry mentor at the meeting. Haverkamp also co-authored a proceedings with Nelson for the Great Plains Soil Fertility conference.

Haverkamp completed his bachelor's degree in May 2012. He is working toward a master's degree with cropping systems specialist Kraig Roozeboom (PhD '06 agronomy) on a soybean project. Haverkamp would like to work for a seed company or as an agronomy researcher to get real-world experience, eventually returning to the family farm.

Brown worked as a veterinary technician in California and attended community college. She chose to transfer to K-State because of its outstanding reputation for agriculture research. She initially majored in animal science; however, the Environmental Quality class, taught by assistant professor of soil and environmental



Bryson Haverkamp clips wheat heads for his research project.

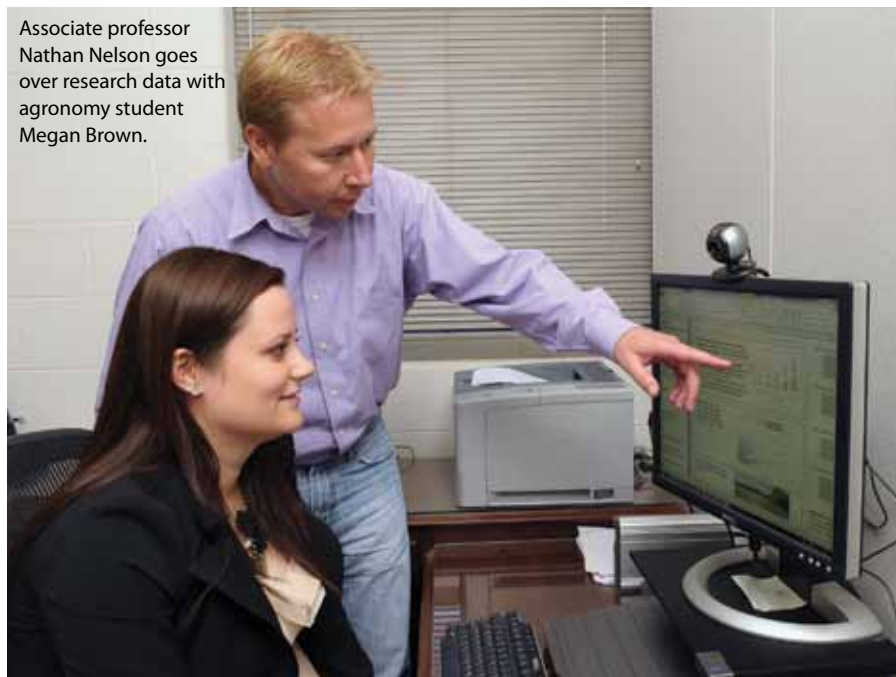
Dan Donnet (3)

Research involves choosing a project, collecting and analyzing data, writing reports, and sharing results — all valuable skills for students to acquire. As undergraduate research assistants, students work closely with faculty on projects important to Kansas agriculture, learn research techniques, and present results at national meetings.

“Undergraduate research takes application-based learning to the next level,” said Don Boggs, associate dean of the College of Agriculture. “The student’s unique research project not only requires that she or he master the subject matter, but also requires the development and application of critical thinking, problem solving, and communication skills.”

Bryson Haverkamp, Bern, Kan., and Megan Brown, Tehachapi, Calif., both conducted research projects under the direction of Nathan Nelson, associate professor of soil fertility and nutrient management. They chose projects on topics important to Kansas producers — wheat and water quality. Both students

Associate professor Nathan Nelson goes over research data with agronomy student Megan Brown.



chemistry Ganga Hettiarachchi, sparked an interest in agronomic research.

In October 2010, Brown approached Nelson (BS '98 agronomy) about working with him on a research project. They chose to evaluate the risk of phosphorus loss in fields using data from the Natural Resources Conservation Service's (NRCS) Conservation Effects Assessment Project (CEAP). She organized 1,000 data points, analyzed the data, and compared site assessments.

One goal was to develop best management practices to reduce phosphorus runoff and possibly lessen the algal bloom in Kansas lakes. Nelson has submitted a multistate grant proposal to continue the research.

As a member of the Wheat State Agronomy Club, Brown participated in fundraisers to attend and present her research at the tri-society meeting.

Brown graduated in December 2011, and is working toward a master's degree. Her current research, under the direction of environmental quality specialist Peter Tomlinson, involves cover crops and measuring greenhouse gas emissions.

She also helped DeAnn Presley (MS '02, PhD '07 agronomy), environmental soil scientist, and Tomlinson at an EXploring sCience, Technology and Engineering, or EXCITE!, workshop in July 2012. The program is designed for young women in the ninth through 12th grades to encourage them to explore careers in science, technology, engineering, and mathematics. Brown talked to the workshop participants about her research.

Brown said she saw this as an opportunity to explain about the science involved in farming.

"Many don't think of agronomy as being science based," she said.

She plans to finish her degree in May 2014 and sees lots of options for her future in either California or the Midwest.

"Environmental quality and sustainability are important everywhere," Brown stated.

Equine Research Lauded at International Event



Hannah Leventhal spent eight years volunteering at an equine rescue unit in her home state of Colorado. She enrolled in the pre-veterinary program in the College of Agriculture to reach her goal of becoming a veterinarian.

"As an undergraduate student, I became involved in research by working in a biology lab and helping a graduate student with equine nutrition research," Leventhal said. "The research and discovery really interested me. As a student in the University Honors Program, I was very

interested in completing my own project as an undergraduate student. It was a phenomenal opportunity that opened many doors."

Leventhal's love of horses and interest in nutrition prompted her to study laminitis, or founder, a painful and debilitating disease of the hoof. Proper diet plays an important role in preventing the disease. She had cared for, ridden, and worked with several horses that contracted the disease and had to be humanely euthanized.

Teresa Douthit, assistant professor of equine nutrition, supervised Leventhal's project.

Leventhal presented a poster about her research in Wales in September 2011. She then entered the Alltech Young Scientist competition, where she won first place for all of North America. In May 2012, she competed in the international competition in Lexington, Ky., where she took second place in the undergraduate category.

"This experience was a once-in-a-lifetime opportunity," Leventhal said. "It opened my eyes to what is going on industry-wide in terms of research and innovation, and it filled me with excitement for the opportunities that lie ahead for me. I was able to interact with many top-notch scientists, professors, researchers, and industry professionals, who will serve as contacts and advisers for much of my professional life."

Leventhal is pursuing a master's in animal science and starting her second year of veterinary training.

"I really wanted to pursue further research projects and classes to delve into the realm of animal nutrition, while pursuing veterinary medicine studies," Leventhal explained. "I hope to become a board-certified veterinary nutritionist, so I can bridge the gap between veterinary medicine and nutrition."

Student Highlights

The K-State Crops Team won the North American Colleges and Teachers of Agriculture national crops contest. They also took home the top four individual placings. This was K-State's fourth straight title in this contest and the 11th in the past 14 years. The team members were: Jared Kohls, Bryson Haverkamp, Jake Wyrill, and Kim Kerschen, and alternates Jessie Zimmerman, Lauren Lang, and Lindsey Pollock. Professor Kevin Donnelly and agronomy seniors Levi Larkins and Scott Henry coach the team.

Dairy judging students placed fourth in the Hoard's Dairyman contest. At the Western National Intercollegiate Dairy Cattle Judging Contest, the Purple Team (Nathaniel McGee, Darren Mueller, Maggie Seiler, and Andrea Steenbock) placed third — the highest finish for K-State at this contest. Team White (Kyle Jacobs, Bryce Joonas, Todd Coen, and Katie Berglund) placed sixth. The teams are coached by Jon Pretz.

Kate Bormann and Bethany Bohnenblust, both agricultural communications and journalism graduates, spoke at the May 2012 College of Agriculture commencement. Bormann served as student body vice president (2011–2012). Bohnenblust served as a state and national officer in FFA.

K-State's Powercat Tractors A Team took second place in the American Society of Agricultural and Biological Engineers' International Quarter-Scale Tractor Student Design Competition. K-State has finished in the top three 13 times in the past 14 years. The university's X Team, freshmen and sophomores who are new to the contest, took first place in the oral presentation and tractor pull performance categories.

The American Seed Trade Association recognized Rodrigo Pedrozo with the \$2,000 Roger Kreuger Memorial Scholarship. Pedrozo is pursuing a doctorate in seed pathology and seedborne pathogens under plant pathologist Chris Little.

Cameron Hunter, doctoral student in the interdisciplinary genetics graduate program, won a Eukaryotic Cell Outstanding Young Investigator award at the 2012 Gordon Research Conference on Cellular and Molecular Fungal Biology. Hunter's faculty mentor is Richard Todd, assistant professor of plant pathology

Grain science graduate students Blossom Sehgal, India, and Mario Andrada, the Philippines, received U.S. Borlaug Fellowships to the Summer Institute on Global Food Security at Purdue University. The two-week program is funded by the U.S. Agency for International Development to expand the pool of U.S. food security professionals.

Bobbi Ann Shanks, junior in animal sciences and industry student from Columbus, Kan., received the College of Agriculture Student of the Year Scholarship at the 2012 awards assembly. She had been the Agriculture Student of the Month for September.



Courtesy of KSU Foundation

Daniel Unruh, center, is shown with Bill Muir, retired Student Government Association adviser, and Amy Button Renz, president of the KSU Alumni Association. Unruh (BS '12 food science and industry/political science), Manhattan, earned the Anderson Senior Award for Leadership from the Alumni Association. His campus leadership roles included serving as student body president (2010–2011).



Dan Donment

Winning Streak Continues

Grain science students continued their winning streak in the Next Big Thing Competition by placing first and second in the undergraduate division. This was the fourth year for the business idea competition, which is open to all K-State students and organized by the Center for the Advancement of Entrepreneurship in the College of Business Administration. Grain science students have won their division three of the four years.

Feed science and management students (from left) Caleb Wurth, junior from Kansas City, Mo.; Britni Beck and David Heideman, both seniors from Havensville; and Grace Bokelman, senior from Washington, took first place with Enviro Feed Bunks. Their business proposed feed bunks made from recycled tires and plastics — a product that is affordable, durable, environmentally friendly, and easily installed.

Second place went to milling science and management students Jacob Wessel, senior from Valley Falls; Michael Dee, junior from Manhattan; and Alex Hecht, senior from Wichita. They proposed Plant Ops Productions, a safety video production company.

Teams wrote a feasibility plan, gave an elevator pitch, and made a presentation to a panel of local entrepreneurs, bankers, and investment experts. Judges looked at the originality and feasibility of the plans and the quality of the presentations. The winning team earned \$3,000 and second place winners received \$2,000.



Above: Taking a tour stop at Spry Shorthorn near Wagga Wagga, New South Wales. At right: Wyatt Bechtel (BS '12 agricultural communications and journalism/animal science) gives a "Wildcat Paw" while scuba diving at the Great Barrier Reef.

Photos courtesy of Wyatt Bechtel



Students visiting with the owner of a commercial sheep and cattle operation near Albury, Victoria.



Learning Down Under

Professor Scott Schaake led 20 students on a 10-day beef and sheep industry tour to Australia in June. They visited Melbourne, Seymour, Albury, Sydney, and Cairns with stops at sale yards, feedlots, abattoirs, seedstock operations, and cultural sites. Snorkeling at the Great Barrier Reef concluded the trip.

During spring semester, students worked with an assigned partner to prepare two audiovisual presentations and fact sheets on assigned topics related to the trip. To prepare them to blog (post to an online journal) during the trip, they summarized a chapter from a required textbook on their blog and posted what they learned in the pretour classes. While abroad, they were required to blog daily about their experiences and post one entry about their overall impression of the trip. As a final assignment, students chose a topic from one of the educational stops, described it in depth using scientific principles, and compared it to practices used in the United States. Links to two of the blogs: emawinaus.blogspot.com and ksutoaustraliabeefour.wordpress.com.



Getting scuba diving instructions at Green Island before diving at the Great Barrier Reef.



Dan Donert

Graduate Student Earns International Award for Swine Research

Sureemas Nitikanchana displays the biannual Pig Management Award, an original sculpture created in the Netherlands. She competed against 121 entrants, with the top 13 making presentations at the International Pig Veterinary Society meeting in Jeju Island, South Korea.

"I think the judges appreciated that the research can be directly applied to farm use," said Nitikanchana.

She said that she has already had emails from producers asking about her research.

Nitikanchana is pursuing a doctorate under the direction of Steve Dritz, professor of diagnostic medicine/pathobiology. Her paper, Meta-Analysis Comparing Dry and Wet-Dry Feeders, will be published in *Pig Progress* Volume 28, No. 6 2012. It is co-authored by the K-State Research and Extension swine team Dritz, Mike Tokach, Bob Goodband, Joel DeRouchey, and Jim Nelssen.

After completing her degree, Nitikanchana plans to return to her family's farm in Thailand, which has 16,000 sows.



Dan Donnet

Buchholz has represented the north central region on the 15-member ECOP governing board since 2008.

His involvement on the national level brings benefits for K-State Research and Extension because he is aware of emerging national issues and opportunities, networking with key leaders at the federal level and across the nation, and demonstrating to those leaders the strength of our research and extension system in Kansas.

The board stays in touch through monthly conference calls and three face-to-face meetings each year. He will take over as chair at the national Association of Public and Land-grant Universities meeting Nov. 11–13, 2012, in Denver.

“The Smith Lever Act created the Cooperative Extension Service in 1914,” Buchholz stated. “A big initiative for my tenure will be to plan for the centennial celebration in 2014 and to tie in potential initiatives to launch CES into the second century.”

A joint meeting of academic, extension, and agricultural experiment station committees on organization and policy will meet in Manhattan July 23–25, 2013.

“That will be an opportunity to bring recognition and exposure to K-State programs,” said Buchholz. “Many participants have never been to Kansas and are excited about the opportunity.”

Buchholz to Lead National Committee

Daryl Buchholz, associate director for extension and applied research, will lead a national committee that represents the National Cooperative Extension System, the nationwide education system that operates through land-grant universities in partnership with federal, state, and local governments.

Buchholz (PhD '80 agronomy) is the chair-elect of the Extension Committee on Organization and Policy, or ECOP, which represents 75 extension systems, including the original land-grant universities created by the Morrill Act in 1862, the institutions added by the Second Morrill Act in 1890, and U.S. territories.

“The Cooperative Extension System has a dubious honor of often being referred to as the best kept secret,” Buchholz said. “We need to broaden the awareness of CES as we work on key issues facing the nation with leaders, stakeholders, and clientele. Issues needing research/evidence-based solutions such as keeping American agriculture strong; preparing youth and adults for success in the workforce and all aspects of life; ensuring a safe, abundant food supply; creating pathways to energy independence, and responding to environmental challenges.”

Students Select Outstanding Faculty

College of Agriculture clubs nominate outstanding teachers and advisers, and Ag Student Council selects the winners. From left: **KC Olson** (PhD '98 animal science), professor of range beef cattle nutrition and Walter M. and Frances Aicher Lewis Distinguished Chair in Animal Sciences and Industry, was named the Advisor of the Year. **Leland McKinney** (BS '98 feed science and management, MS '00 grain science), grain science extension state leader, and **Andrea Sexten**, assistant professor of animal science, were chosen as Faculty of the Semester for spring 2012. **Stuart Warren**, professor and head of the Department of Horticulture, Forestry and Recreation Resources, and **Jason Ellis** (BS '98 agricultural journalism/animal sciences and industry), assistant professor of agricultural communications, were selected as Faculty of the Semester for fall 2011.

The photo at right was taken in a recently updated technology classroom in Waters Annex, directly north of Waters Hall. The annex was built in 1914, the year after East Waters, as a stock judging pavilion. It has had many uses over the years, including hosting the Little American Royal (see photo on page 29).



Dan Donnet



Professor Greg Zolnerowich talks about a specimen with sophomore students (from left) Pierce Shimp, English; Stacie Anderson, animal science; and Kate Haddock, English.

Entomologist Honored for Enthusiasm and Expertise

Insects can be helpful, like the bees that pollinate plants, and harmful, like the grasshoppers that eat crops. Love them or hate them — they are relevant to everyday life.

Greg Zolnerowich, associate professor of entomology, earned K-State's Presidential Award for Excellence in Undergraduate Teaching because he uses creative teaching methods to explain the interaction between insects and people. He received the award at the May 2012 College of Agriculture commencement ceremonies.

He joined the K-State faculty in 1999 and currently teaches seven undergraduate and graduate courses.

Zolnerowich's class, *Insects and People*, is a first-year seminar class that is popular among students from a broad range of majors, including English, architecture, engineering, animal

science, and grain science. Students even get to cook insects and have the opportunity to taste the crunchy delicacy.

"It's good for the department to educate students across campus about how insects are relevant to their everyday lives," said Zolnerowich. "Most people don't realize that costs to control insects are built into all products, such as food, clothing, and building materials."

Kate Haddock, an English major, wrote a letter to support his nomination for the award.

"It was Dr. Zolnerowich's excitement and enthusiasm about insects that got me interested in the class," Haddock said. "He knew everyone's names very quickly, which was very nice because it made you feel like he knew you and that you could ask questions easily."

During his tenure, Zolnerowich has garnered \$1.3 million in grant funds for his research program on insect systematics, which is the study of the diversity and relationships of organisms. It is an essential tool for protecting agriculture, improving conservation, and has direct applications to medicine and the life sciences in general.

He also serves as curator for the K-State Museum of Entomological and Prairie Arthropod Research in Waters Hall. It houses a research collection of insects that documents biodiversity and helps K-State Research and Extension faculty identify specimens. He also maintains an insect collection to use in his classes.

"Dr. Zolnerowich deserves this award because of his passion for his subject and his commitment to his students," stated Haddock.



Faculty Notes

Agricultural Economics

Professor **Barry Flinchbaugh** will receive a 2012 Leader in Agriculture Award from the Agriculture Future of America, on Nov. 2, 2012, in Kansas City.

Agronomy

David Mengel, professor, is the president-elect of the American Society of Agronomy. His term begins Jan. 1, 2013, and he will assume the role of president Jan. 1, 2014.

Chuck Rice, university distinguished professor, has been reappointed to a second three-year term as a member of the board on Agriculture and Natural Resources of the National Resource Council of the National Academy of Sciences.

Jianming Yu, associate professor; **Tesfaye Tesso**, assistant professor; and **Scott Bean**, scientist with the USDA's Agricultural Research Service and adjunct faculty, had a study on the genetic makeup of tannins in sorghum published in the June 26 issue of the *Proceedings of the National Academy of Sciences of the United States of America*.

Agronomists **Jianming Yu**, **Zhongwei Lin**, **Xianran Li**, and **Tesfaye Tesso**, and plant pathologists **Harold Trick**, **Jiarui Li**, and **Zhao Peng** are part of a team who published, "Parallel domestication of the Shattering1 genes in cereals," in the May 13 online version of *Nature Genetics*. The team included researchers from the University of Wisconsin-Madison, Iowa State University, USDA-ARS, University of Nebraska-Lincoln, and Purdue University.

Animal Sciences and Industry

American Society of Animal Science/American Dairy Science Association annual meeting results: **Jeff Stevenson**, professor of dairy science, received the ASAS Physiology and Endocrinology Award and was named an ASAS Fellow in the research category. **Mike Tokach** (MS '88 animal science), professor of swine nutrition, earned the ASAS

Extension Award. **Barry Bradford**, associate professor of dairy nutrition, accepted the ADSA Foundation Scholar Award in Dairy Production. **Chad Mullins** (MS '09, PhD '11 animal science), earned the ADSA Richard M. Hoyt Outstanding Graduate Student Award.

Fadi Aramouni, extension specialist and professor, gave food safety/inspection training to inspectors from four ministries in Lebanon as part of a United Nations development program. The training was given in English, French, and Arabic. He also gave interviews to three TV stations and two newspapers highlighting his K-State research.

Jennifer Bormann, associate professor of beef breeding and genetics, and **Tim Rozell**, associate professor of physiology, earned NACTA Teacher Fellow awards at the North American Colleges and Teachers of Agriculture annual conference.

Daniel Y. C. Fung, professor of microbiology, received the 2012 Grocery Manufacturers Association Food Safety Award at the national meeting of the International Association for Food Protection.

The American Meat Science Association honored **Melvin Hunt**, professor emeritus, with the 2012 R. C. Pollock Award for his extraordinary and lasting contribution to the meat industry.

John Wolf, research technologist and meat lab manager, earned K-State's 2012 Classified Award of Excellence.

Communications and Agricultural Education

Lauri Baker, assistant professor of agricultural journalism, and **Tonya Richards**, Marion County Planning and Zoning Department director, presented "A Quantitative Content Analysis of Water Issues on the Public and Scientific Agendas" at the Environmental Security Conference at the University of Kansas.

Entomology

Frannie Miller, pesticide safety and integrated pest management coordinator, is a finalist in the National Association of County Agricultural Agents communications awards program for the *Agricultural Plants Pest Control* manual.

Tom Philips, professor, **David Hagstrum**, adjunct professor emeritus, and **Gerrit Cuperus**, Oklahoma State University, edited *Stored Product Protection*. It is an updated companion to OSU's 1995 *Stored Product Management*, with chapters from the world's leading experts, including K-State's **Bhadriraju "Subi" Subramanyam**, **Philips**, and **Hagstrum**. The 31-chapter, 350-page training manual was published by K-State and is available for \$35 at 785-532-5830 or orderpub@ksre.ksu.edu.

John Reese, professor and recipient of the International Plant Resistance to Insects Lifetime Achievement Award, presented the banquet address at the 20th Biennial International Plant Resistance to Insects Workshop in Minneapolis.

Grain Science and Industry

Bhadriraju "Subi" Subramanyam, professor of postharvest protection, received the Entomological Foundation Award for Excellence in Integrated Pest Management at the 67th annual meeting of the North Central Branch Entomological Society of America.

Horticulture, Forestry and Recreation Resources

Jack Fry (BS '82 horticulture), professor of turfgrass science, has been named a 2012 Crop Science Society of America Fellow. He will be recognized at the society's annual meeting in October.

Chad Miller, assistant professor, was selected by *Greenhouse Product News* as one of the top 40 individuals under the age of 40 who will help shape the future of the horticulture industry. He is featured in the May 2012 issue and was recognized at the Association of Horticulture Professionals Short Course in Columbus, Ohio, in July.

Ward Upham (BS '76 secondary education, MS '82 horticulture), state Master Gardener coordinator, and **Kimberly Williams** (BS '88 horticulture), professor of greenhouse management, received Honorary State FFA degrees from the Kansas FFA Association. Williams will be honored as Faculty of the Week at the Oct. 27 K-State vs. Texas Tech football game.

K-State Research and Extension

National Epsilon Sigma Phi results:

Deryl Waldren (BA '77 radio/TV, BS '80 agronomy), northwest area 4-H Youth Development specialist, received the Diversity Individual Award. The 4-H Global Citizenship Programs Team of 4-H Youth Development specialists **Waldren, Beth Hinshaw**, southeast, and **Rod Buchele**, southwest; **Mary Kay Munson**, Kansas International 4-H Youth Exchange coordinator, Junction City; **Rose Scott**, Japanese exchange coordinator, Clay Center, won the Diversity Team Award. **Denise Dias**, Sedgwick County family and consumer sciences agent, won the International Service Award.

In Memorium

Charles "Chuck" Walker, 75, Manhattan, died April 26, 2012.

His varied career included working for General Mills and the Fairmont Foods Central Research Lab as well as faculty positions at North Dakota State University, the University of Nebraska-Lincoln, and K-State's Department of Grain Science and Industry. Research and consulting on baking technology took him to more than a dozen countries. Donations may be made to the Dr. C.E. Walker International Graduate Student Fellowship through the KSU Foundation.

John Howard, 66, St. George, died May 19, 2012. He worked for most of his KSU career in the International Grains Program and was director of IGP at the time of his retirement in February 2012. He enjoyed the outdoors and was an accomplished mountain climber, having climbed more than 17,000 feet to several mountain peaks.

John Shirley, 69, Tompkinsville, Ky., died April 23, 2012, at the family farm where he was born. He taught dairy cattle nutrition and management at K-State for 20 years. He was a member of the National Dairy Science Association and the National Cattlemen's Association, and an honorary member of National FFA.

Retirees Recognized at Reception

Kansas State University hosted a reception for retirees on April 17, 2012, in the K-State Alumni Center.

Sixteen individuals were recognized for service to the College of Agriculture or K-State Research and Extension. They logged 413 years of service for an average of 26 years. The retirees are listed below with their most recent location and years of service.

Jo Ellen Arnold, Frontier District, 33; **David Barton**, Agricultural Economics, 35; **Mary "Peg" Condray**, Central Kansas District, 26; **Patrick Coyne**, Agricultural Research Center-Hays, 26; **Terry Dekat**, Animal Sciences and Industry, 34; **Douglas Elcock**, Business Office, 34; **John Howard**, Grain Science and Industry/IGP, 14; **Keith Janssen**, Agronomy, 33; **Terry "Joe" Martin**, Agricultural Research Center-Hays, 37; **James Nelson**, Plant Pathology, 11; **Charles "Chuck" Smith**, Family Studies and Human Services, 34; **Rodney Wallace**, Pawnee County, 16; **Dean Whitehill**, Finney County, 29; **James Higgins**, Statistics, 31; **Estoria "Esther" Maddux**, Family Studies and Human Services, 9; and **Denis Medeiros**, Human Nutrition, 11.



Bob Holcombe

Society Recognizes Achievements

Gamma Sigma Delta, the honor society of agriculture, presented faculty and graduate student awards at the organization's spring reception.

Faculty awards were presented to (from left):

Outstanding Research — **Vara Prasad**, agronomy; Outstanding Advising — **John Unruh**, animal sciences and industry; Distinguished Alumnus — **Pat Coyne**, Agricultural Research Center-Hays; Excellence in Extension — **Charles Barden**, horticulture, forestry and recreation resources; Early Career — **Cheryl Boyer**, horticulture, forestry and recreation resources; Distinguished Faculty — **Subramanyan Bhadriraju**, grain science and industry; Outstanding Teaching — **Jennifer Bormann**, animal sciences and industry.

GSD awards to graduate students: Outstanding Undergraduate Student Research — **Dorothy Menefee**, agronomy; Outstanding Graduate Student Teaching, M.S. — **Krista McKay**, food science; Outstanding Graduate Student Teaching, Ph.D. — **Bryce Gerlach**, animal science; Outstanding Graduate Student Research, M.S. — **Cole Thompson**, horticulture; and Outstanding Graduate Student Research, Ph.D. — **Craig Smith**, agricultural economics.

Class Notes

1968

Jim Webster (PhD entomology), Stillwater, Okla., received the 2012 Lifetime Achievement Award for “outstanding and meritorious contributions to plant resistance to insects” at the 20th Biennial International Plant Resistance to Insects Workshop in Minneapolis, Minn.

1977

Martin Gleason (BS dairy production) is the Edwards County agriculture and natural resources agent. He had been county executive director for the Edwards County Farm Service Agency in Kinsley.

1980

Clinton Rusk (BS animal science) is the new head of Oklahoma State University's Department of Animal Science. He served as head of the Department of Animal Science at South Dakota State University since 2009 and as a faculty member at Purdue University from 1997 to 2009.

1982

Ron Graber (BS, MS '85 animal science), watershed specialist for the Lower Arkansas River, was featured in the March 2012 issue of *Successful Farming* magazine.

1984

Greg Aldrich (BS animal science) joined the K-State Department of Grain Science and Industry as research associate professor and pet food program coordinator.

1994

Steve McNorton (BS animal science) joined K-State Research and Extension – Leavenworth County as an agriculture and natural resources agent. He had worked with Farm Bureau Financial Services in Council Grove, Atwood, and Holton, Kan.

2000

Jesse McCurry (BS agricultural journalism, MA '02 speech) and his wife **Rhonda (Nida) McCurry** (BS '01 agricultural communications and journalism), Colwich, announced the birth of their twins Cora Jo and Jett Cecil on April 15, 2012. Their other children are Jackson and Anna.

Justin Waggoner (BS, MS '01 animal science), southwest area beef systems specialist, received the Outstanding Young Scientist Extension Specialist Award at the Midwest Section of the American Society of Animal Science/American Dairy Science Association meeting in Des Moines, Iowa.

2002

Corinne (Blender) Patterson (BS agricultural communication and journalism/animal science), Strong City, and her husband, **Tom** (BS '03 animal science), announced the birth of their daughter, Clara Jane, May 2, 2012. Corinne is the Lyon County 4-H Youth Development agent.

Brent Goss (BS animal science) and his wife, **Sarah (Geiger) Goss** (BS agricultural economics), announced the birth of their daughter, Britta Ann, June 12, 2012. She was welcomed by sisters, Noah and Nell, and brother, Tucker. Brent is the Ellsworth County agriculture and natural resources agent.

Justin Ochs (BS animal science), Hendersonville, Tenn., won the title of International Auctioneer Champion during a competition at the 63rd International Auctioneers Conference and Show in Spokane, Wash.

2004

Rich Porter (BS '72 chemical engineering, MAB '04) was named top producer at the 2012 Risk and Profit Conference. See the video at <http://www.youtube.com/user/kstateagecon>

2005

Chris Hancock (BS, MS '10 animal science), research assistant at the

K-State poultry unit, married Melissa Guyer on May 26, 2012.

Kristy Tredway (BS agribusiness), Towanda, marketing representative for Koch Industries in Wichita, was elected to a four-year term on the KSU Alumni Association Board.

2007

Mary Geiger (BS agricultural communications and journalism) is the new Kansas Department of Agriculture communications director. She most recently was the associate director of communications for the National Cattlemen's Beef Association in Washington, D.C.

Cody Miller (BS animal science) and his wife, Rachel, announced the birth of their son, Cooper Douglas, June 16, 2012. Cody is the Phillips-Rooks District agriculture and natural resources agent.

2008

Chelsea Good (BS agricultural communications and journalism/mass communication/political science, MS '10 communication studies), completed law school at Washburn University and has joined the Kansas Department of Agriculture legal section as a staff attorney dealing with legal and policy issues for the Animal Health Division.

Jason Waite (BS, MS '10 agronomy) is pursuing a PhD in agronomy. His photography is on display at the Discovery Center in Manhattan.

2009

Jennifer (Toews) Conner (BS agricultural education) and her husband, Galen, Wagoner, Okla., announced the birth of their daughter, Abigail Diane, Jan. 4, 2012.

2010

Cody Holland (BS agribusiness) is the Kansas Farm Management Association agricultural economist in the Chanute office.

Memorium

Lloyd Leroy McAninch (BS '39 milling science and management), 94,

Prairie Village, died April 9, 2012. He was involved in the grain fumigation business, flour services and enrichment, defatting of wheat germ, and oil and gas business. He founded Research Products Co. and McShares Inc.

Philip Behrens (BS '70 animal science) Bloomfield, Iowa, 63, died Jan. 2, 2012. Following graduation he returned to Lincoln, Kan., to form a livestock/farming partnership with his father. He also worked part-time at a local grain and feed elevator before joining Supersweet Feeds as a salesman. He moved to Bloomfield to manage their elevator. He was hired by the competition, where he was eventually put in charge of managing 13 hog houses (3,000 count from piglet to market).

Noah P. "Bob" Luginbill (MS '42 agricultural economics), Glen Ellyn, Ill., 84, died Jan. 2, 2012. When he wasn't working or helping his wife raise their four children, he volunteered as a Little League coach and Sunday school teacher; with the Glen Ellyn Boosters, Historical Society, Historical Sites Commission, and food pantry; ran the recycling center; and taught English as a second language. The couple were honored by several groups for their community service.

Jack E. McClaskey (BS '49 agricultural education, MS '77 adult and occupational education), Girard, 91, died April 5, 2012. He taught vocational agriculture for 30 years beginning in LaCygne, Kan., then Girard from 1957 until he retired in 1984. He was an avid K-State fan and was honored as the K-State Football Fan of the Game on his 90th birthday.

Thomas R. Maxwell (BS '53, MS '69 animal science), 84, Iola, died April 4, 2012. He was the Allen County agricultural extension agent from 1954 until his retirement in 1992. He continued to work part-time supporting agronomy programs in the Southeast Area Extension Office until 2004. He was the father of Tom Maxwell (BS '78, MS '80 agronomy), Central Kansas Extension District agent.



Courtesy of Debbie Lyons-Blythe

Raising Kids and Cows Pays Off

Alumnus Voted America's Farmers Mom of the Year 2012

Debbie Lyons-Blythe (BS '88 agricultural journalism) received a surprise for Mother's Day. Her five children and her aunt, Mary Ferguson, had nominated her for America's Farmers Mom of the Year. A panel of judges from American Agri-Women and Monsanto selected her as the southwest region winner. Nominations for the five regional winners were then posted to www.AmericasFarmers.com. She was notified that she won just before Mother's Day.

"I'm humbled to be singled out, because there are so many farm moms who work each day to build a legacy for their children," Lyons-Blythe said. "I am thankful for everyone who supports farm wives and moms in general."

She and her family run Blythe Angus, near White City, Kan., where her husband Duane's family homesteaded in 1890. They raise 250 registered Angus cows, have a commercial heifer development program, and sell registered bulls. They also have a diversified cropping operation, including hay for the cowherd.

Her children — Meghan, Allie, Trenton, Tyler, and Eric — help on the ranch, but she provides the daily labor. Her husband works in town and is supportive of her passion for ranching.

Lyons-Blythe serves on the board of directors for the Kansas Livestock Association and National Cattlemen's Beef Association and is an active member of the American Angus Association. Her online blog, "Life on a Kansas Cattle Ranch," offers consumers a glimpse of life on a family farm.

Here's an excerpt from the 300-word nomination: "It doesn't take long to figure out what is in her heart. Her love for agriculture is evident when reading her blog, hearing her speeches, and seeing her work. Not only did mom give us her eye color and smile, she shared with us her values and love of agriculture. She raised us five kids alongside her in the truck, checking pastures, sorting cattle, and selling bulls."

Her nomination is posted at AmericasFarmers.com. In addition to the \$5,000 prize for the regional competition, she received an additional \$5,000 from Monsanto at an event in the State Capitol Building in June.

K-State Department Honors Alumni, Service to Grain Industry



Service award winners (l-r) Kenlon Johannes, John Howard, and Carl Reed

Dan Donnet (4)

The Department of Grain Science and Industry recognized nine individuals at a luncheon at the International Grains Program (IGP) building in Manhattan on April 25.

Outstanding Service awards were given to Matthew Frederking, John Howard, Kenlon Johannes, Carl Reed, and Morton Sosland. Outstanding Alumni awards were presented to Steven Graham, Art Hibbs, Gary Lortscher, and Roy Robinson.

Matthew Frederking (BS '03 agricultural economics) helped develop HACCP training and auditing materials for the feed industry. He provides industry HACCP training at several short courses each year.

John Howard retired Feb. 18, 2012, from his position as senior program manager of the K-State International Grains Program. His vision and tireless efforts contributed to the unique architecture and excellent functionality of the IGP Conference Center. He died unexpectedly May 19, 2012.

Kenlon Johannes, chief executive officer of the Kansas Soybean Association and administrator of the Kansas Soybean Commission, has been instrumental in equipping the IGP Conference Center with its state-of-the-art audiovisual equipment in 2004

and the current equipment upgrade. He serves on the department and the IGP advisory councils.

For 27 years **Carl Reed** served the department as a research scientist, extension specialist, and IGP stored grain technologist. He partnered with IGP to organize an annual Grain Elevator Managers short course and continues as lead instructor, using his textbook *Managing Stored Grain to Preserve Quality and Value*.

Morton Sosland is chairman-emeritus of Sosland Publishing Company, which publishes a range of magazines in the United States and in more than 100 countries. For many years the company has sponsored an annual scholarship. Sosland published the department's 100th anniversary book in 2010.

Steven Graham (MS '81 grain science) was administrator for the Kansas Wheat Commission for 14 years. Since 1995, he has served as assistant to the dean of the College of Agriculture and director of K-State Research and Extension. He is a strong advocate for

the department and the unique career opportunities its programs offer.

Art Hibbs (BS '43, MS '47 milling science and management) has worked in all phases of flour milling operations. Since retiring in 1988, he is a private consultant and conducts training seminars for K-State, U.S. Wheat Associates, and other U.S. organizations and private companies. He co-authored the textbook *Wheat Flour Milling*.

Gary Lortscher (BS '63 feed technology) and his wife, Betty, have provided internships and full-time opportunities for grain science and other K-State graduates. In 2010, they sold Lortscher Agri Service Inc. to their children. They have provided scholarships and program support to the department, including funds for the new Feed Technology Innovation Center.

Roy Robinson (BS '70 milling science and management) established the Robinson Diversity Scholarship in Agriculture and championed recruitment efforts to increase diversity among faculty and staff. He has served on the KSU Foundation board and the College of Agriculture/K-State Research and Extension Advisory Council. He was the College of Agriculture 2005 Alumni Fellow.



Alumni award recipients (l-r) Gary Lortscher, Steven Graham, and Roy Robinson



Emery Castle delivers the May 2012 College of Agriculture commencement address.

Sharing Life's Lessons

Build upon your accomplishments, invest in social capital, accommodate surprises, and embrace opportunities. Those are the life strategies that Emery Castle shared with the May 2012 College of Agriculture graduating seniors.

He told the graduates to remember that “a well-educated person knows much and is to be admired; a wise person recognizes also there is much he, or she, does not know.”

Castle has followed his own advice by being a lifelong learner; maintaining professional relationships with teachers, colleagues and students; and responding positively to personal and professional challenges and opportunities.

After graduating from K-State with bachelor's and master's degrees, he taught agricultural economics at K-State for two years and completed a doctorate at Iowa State University. He then worked as an agricultural economist for the Federal Reserve Bank of Kansas City. Realizing that he preferred the land-grant university setting, he accepted a teaching position at Oregon State University.

At Oregon State, he served as dean of the Graduate School, head of the

Department of Agricultural Economics, director of the Water Resources Institute, and dean of the faculty. In 1976, he accepted a position as vice president of Resources For the Future, a nonprofit organization founded in 1952 to conduct independent research into environmental, energy, and natural resources in Washington, D.C. He served as president from 1979 to 1986.

He returned to Oregon State as professor of the University Graduate Faculty of Economics, serving as chair from 1986 to 1991. He retired with emeritus status in 1998 and remains active within the university.

In addition to writing various journal articles, Castle was the lead author for a textbook, *Farm Business Management: The Decision Making Process*, in 1962 with a second edition in 1972 and a third

in 1986. It has been translated into six languages and has sold more than 100,000 copies.

He also wrote an autobiography, *Reflections of a Pragmatic Economist*, which was released in 2010 to coincide with the American Agricultural Economics Association meeting. In addition to his academic career, it chronicles his time as a radio operator on a B-17 bomber during World War II.

In the book, Castle admits to having one hobby — raising roses. In 1955, he acquired 13 “out of patent” roses for 35 cents each and exhibited his first roses at the Corvallis Rose Show in 1957. He won the novice trophy and two years later, best of show. Castle was “hooked” and continues to grow roses and design rose gardens.

His wife, daughter, and son-in-law accompanied him to Manhattan a few days before graduation ceremonies to tour campus and the surrounding area. He also met with faculty, students, and David Norman, who earned his Ph.D. under Castle at Oregon State, then taught at K-State for 30 years.

Castle closed his commencement address on a personal note: “Sixty-four years and five months ago, I walked across a stage on this campus to receive a diploma in agriculture. That degree has served me well, and remains a source of pride. The people graduating here today and I now share that accomplishment. It is indeed a privilege for me to say: We are connected.”



David Norman (left), K-State professor emeritus, greets Emery Castle, his major professor for his doctorate at Oregon State University.

Kudos to Three Alumni



Distinguished Alumnus Dale Rodman with his wife, Ronda.

Bob Holcombe

Each year the College of Agriculture Alumni Association recognizes an outstanding teacher and two alumni for their dedication to themselves, their profession, their college, and Kansas State University. Family, friends, and faculty attended a reception and banquet to honor the 2012 award winners on May 5.

The Distinguished Alumnus Award

was presented to Kansas Secretary of Agriculture Dale Rodman, a 1963 feed science and management graduate. Rodman said he was “humbled and honored to receive the award.”

After graduating from K-State, Rodman began his 37-year career with Cargill. He took a short leave from Cargill to serve as president of Tramco Inc., a family-owned manufacturing company in Wichita. During his varied career, he lived in Europe and Asia and worked in more than 30

countries.

In the 1990s, Rodman worked with then-Secretary of Agriculture Sam Brownback to develop the value-added program and served as a board member of the Kansas Agricultural Value-Added Center. Rodman retired

from Cargill in 2002 to work as an agricultural business consultant.

He was named Secretary of Agriculture in 2011. In that position, Rodman is dedicated to strengthening the Department of Agriculture and revitalizing the department’s focus on serving Kansas’ producers and consumers. He is committed to building Kansas agriculture and developing opportunities to grow the state’s agricultural economy.

Gregg Doud, senior professional staff member

for U.S. Sen. Pat Roberts and part of the team writing the 2012 Farm Bill, received the Outstanding Young Alumnus Award. Doud completed a bachelor’s degree in animal sciences and industry in 1989 and a master’s degree in agricultural economics in 1991.

After graduation, he spent a year as assistant director of U.S. Wheat Associates in Oregon. He then headed to Washington, D.C., as U.S. Wheat’s research and market analyst, where he began working with wheat buyers around the world, including a 10-year stint as a guest lecturer for K-State’s International Grains Program.



Greg Davis, winner of the David J. Mugler Outstanding Teaching Award, shows his plaque to the award's namesake, former associate dean Dave Mugler.

Dan Donnet



Outstanding Young Alumnus Gregg Doud, left, with Philip Kirk, who nominated Doud for the award.

From 2000 to 2001, he served as vice president of a joint venture between ADM and US Agri, a commercial grain trading firm, where he developed innovative ways to use U.S. government food aid programs as a base for increased U.S. commodity exports and agribusiness investments in Africa.

He then spent eight years as the chief economist for the national Cattlemen’s Beef Association. Throughout most of his career, Doud has been a key Washington, D.C., liaison among U.S. Wheat Associates, USDA, the Office

of the U.S. Trade Representative, the State Department, commercial grain trading firms, and numerous commodity analysts.

Doud is still involved with his family's 100-year-old farm near Mankato and a cow-calf operation near Beloit.

The David J. Mugler Outstanding Teaching Award was presented to Greg Davis, associate professor of landscape design. He completed a bachelor's degree in horticulture in 1979, then worked for six years as a horticulture extension agent in Saline County.

He returned to K-State to complete a master's degree in journalism and communications in 1988 and a doctorate in horticulture in 1993. He taught at the University of Florida – Gainesville and the University of Nebraska – Lincoln before accepting a teaching position in K-State's Department of Horticulture, Forestry and Recreation Resources in 1999. He now teaches seven courses, including the popular computer-aided design course.

According to his department head Stu Warren, Davis approaches teaching with tremendous care and organization, by spending countless hours preparing for lectures and labs.

Davis was named the College of Agriculture 2010 Advisor of the Year and now serves as undergraduate coordinator for the department. His colleagues and students describe him as "dedicated, caring, enthusiastic, passionate, and creative."

Since 2001, Davis has encouraged students to compete in the PLANET (Professional Landcare Network) Student Career Days. He was instrumental in bringing the national event to Manhattan in April 2012, where the K-State team placed seventh.

Davis clearly follows former associate dean David Mugler's motto: "They don't care what you know until they know you care."

**Mark your calendar for
next year's Wild4Ag
Weekend, May 3–4, 2013.**

Lindsey Huseman



The winning team at the Ag Alumni Scholarship Golf Tournament (from left) Ken Goff Jr., Manhattan; Brian Thompson, Manhattan; Willie Wildcat; Ken Goff, Manhattan; and Daran Neuschafer, Salina.

Golf Tournament Raises Money for Scholarships

Playing golf with friends on a Friday in early May sounds like a great idea, especially when the event raises money for scholarships.

The College of Agriculture Alumni Board hosted the Ag Alumni Scholarship Golf Tournament on Friday, May 4, at the Manhattan Country Club for the annual Wild4Ag weekend event. Board members recruit individuals and businesses to sponsor the tournament each year.

"The Wild4Ag golf tournament allows all alumni and supporters to help our students through a unique, fun event," said Lindsey (George) Huseman. "Even if a person doesn't know the difference between a 9-iron or a driver, they can still help."

"My favorite part of the tournament is taking pictures of each golf team with Willie the Wildcat. He makes everyone smile, regardless of their age or their alma mater."

Huseman (BS '06 agricultural education, MS '10 curriculum and instruction) is the incoming secretary for the board.

"With rising tuition costs, scholarships are becoming more and more important," Huseman said. "This year we were very excited to be able to award eight \$750 scholarships to juniors and seniors in the College of Agriculture. Leadership and involvement are the main criteria we assess."

Board member Kelsey Holste (BS '05 agribusiness, MS '09 agricultural economics) participated in the tournament.

"The Wild4Ag golf tournament continues to be a great event for College of Ag alumni to come together and enjoy a fun day of golf, while giving back to current students," Holste said. "There certainly is a fun, competitive spirit amongst the teams, and the board tries to incorporate extra challenges throughout the course. The challenges are run by previous scholarship recipients, which is a great way for donors to interact with those students."

"We hope that 2013 will be another tremendous year for Wild4Ag, and we would like to expand to include a golf tournament in southwest Kansas."

The Fred and Cathy Cholick Wildcat Scholarship



Courtesy of KSU Foundation

Have you ever received a piece of advice or encouragement that changed your life? Did you ever share the impact of that wisdom or guidance with the person who shared it with you? Or have you ever been on the other end and learned the significance your actions or words had in another's life?

To Fred and Cathy Cholick, those moments are among the many that define what they refer to as the joy of giving and often have a bigger impact than we could ever imagine.

The Cholicks first came to Manhattan in 2004 when Fred Cholick was hired as the dean of the College of Agriculture and director of K-State Research and Extension. In 2009, he became president and CEO of the KSU Foundation and has enjoyed the opportunity to witness the joy of giving every day.

Working with alumni and friends of Kansas State University, he learns about the people and places at K-State that had such a profound influence on their lives that it motivated them to create the same experiences for current and future K-Staters.

As former scholarship recipients, the Cholicks understand the value of financial support and were inspired to create the Fred and Cathy Cholick Wildcat Scholarship at K-State. Funded through a \$62,500 charitable remainder unitrust, this endowed scholarship is

part of the university's premier scholarship program and will provide a four-year renewable scholarship to a student in the College of Agriculture.

"I'm in a unique position because I see the joy of giving every day in my work," Fred Cholick said. "To see that joy and not be part of it — it's hard for me to imagine not giving. We're fortunate to be able to make a difference in a student's life and provide them with the opportunity to go to college and be successful."

— Andrew Zender

Building Updates

- Construction on the O.H. Kruse Feed Technology Innovation Center in the Grain Science and Industry Complex began in early July. It is a joint effort between the departments of Grain Science and Industry and Animal Sciences and Industry.

The new facility will replace the feed-production capability provided by the current feed mill and will significantly enhance the research capacity of both departments.

The project should be completed and the facility operational in time for the fall 2013 semester. For project updates, go to www.grains.ksu.edu, and click on New Feed Technology Innovation Center. A live construction webcam allows 20 visitors at a time to view the construction site.

- The Kansas Board of Regents approved naming the Livestock Marketing and Learning Center for

Stanley Stout. Construction began on the Stanley Stout Center on July 24. It should be completed in February 2013 for the bull sale scheduled on the first weekend of March.

- The southwest side of Dole Hall was modified for the relocation of University Printing from its previous location near the Manhattan airport. K-State Printing Services recently merged operations with the Duplicating Center in Umberger Hall in the Department of Communications and Agricultural Education to form University Printing.
- An elevator was installed in an existing shaft in Waters Hall to improve accessibility. Sixty-four windows in Waters Annex and 640 in Waters Hall were recently replaced, and the building's electrical supply is being updated.

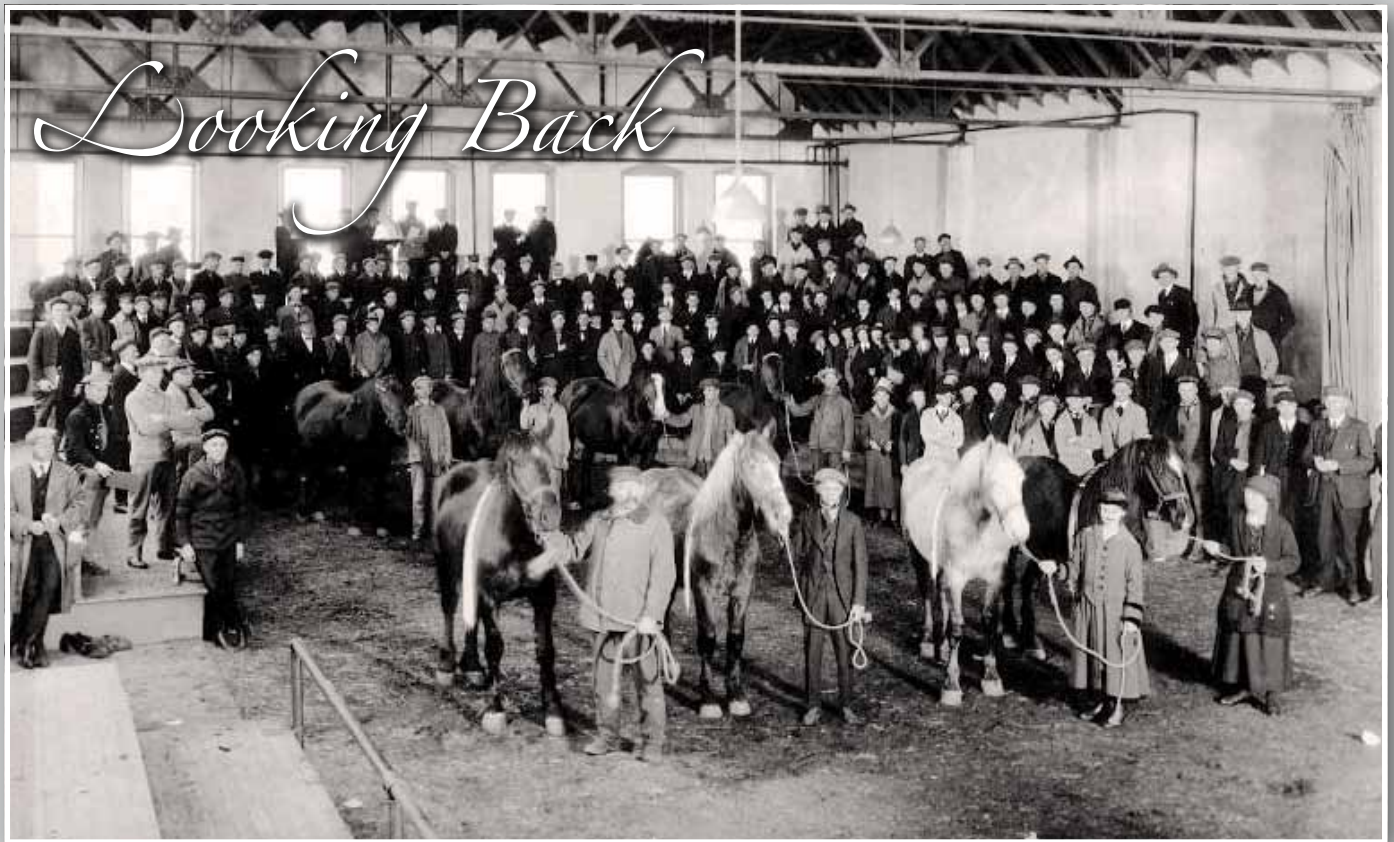
1863 Circle

What is the 1863 Circle?

The 1863 Circle is K-State's annual giving society that recognizes K-Staters with leadership giving of \$1,000 or more annually.

Last year, more than 5,000 K-Staters were recognized as members of the 1863 Circle, and the combined contributions of this inaugural group exceed \$40 million. More than \$5 million of this total was contributed by 606 College of Agriculture alumni. Gifts from 1863 Circle members impact numerous areas of K-State including student success programs, scholarships, faculty support, research, facilities enhancements, and more.

To learn more about the 1863 Circle, view the honor roll of donors, and make a gift to K-State, visit www.found.ksu.edu/1863-circle.



Waters Hall was built in sections: the east in 1913, the west in 1923, and the center in 1952. This photo shows Waters Annex — now nestled in the U-shape of Waters Hall — shortly after it was built as a livestock judging pavillion around 1914. The building has had many purposes, including as a laboratory for an animal judging course, for Cattleman's Day events, and as a holding facility for animals awaiting slaughter in the East Waters meats lab. Professor emeritus Miles McKee (BS '53, MS '63 animal science) remembers showing cattle in the building for the Little American Royal during his first years as a K-State student.

Alumni Awards Nomination. Nominate someone or several for:

• Distinguished Alumnus Award • Outstanding Young Alumnus Award • David J. Mugler Teaching Award

Criteria

To nominate someone for the Distinguished Alumnus Award or the Outstanding Young Alumnus Award:

- Submit a one-page nomination letter (preferably, using 12-point type) that describes how the nominee meets the award criteria.
- Include a resume, vita, or short biography.

To nominate someone for the David J. Mugler Teaching Award:

- Submit a one-page nomination letter (preferably, using 12-point type) describing how the nominee demonstrates Mugler's philosophy of dedication and caring for students in his or her teaching and advising roles.
- Two additional one-page letters of support also may be submitted.

Please include your contact information, in case additional information is needed.

Submit all nominations by November 16, 2012, to:

Don Boggs, Agriculture Academic Programs, 117 Waters Hall, Manhattan, KS 66506-4015 or dboggs@ksu.edu

Previous winners are listed on the College of Agriculture website.

Go to www.ag.k-state.edu, click on Alumni & Friends, then Ag Alumni Awards.



Tailgate Party in Cat Town

*Get there any
way you can!*

Football with free food, fun, and fellowship.

Saturday, November 3. Starts two hours before kickoff of the K-State vs. Oklahoma State game.