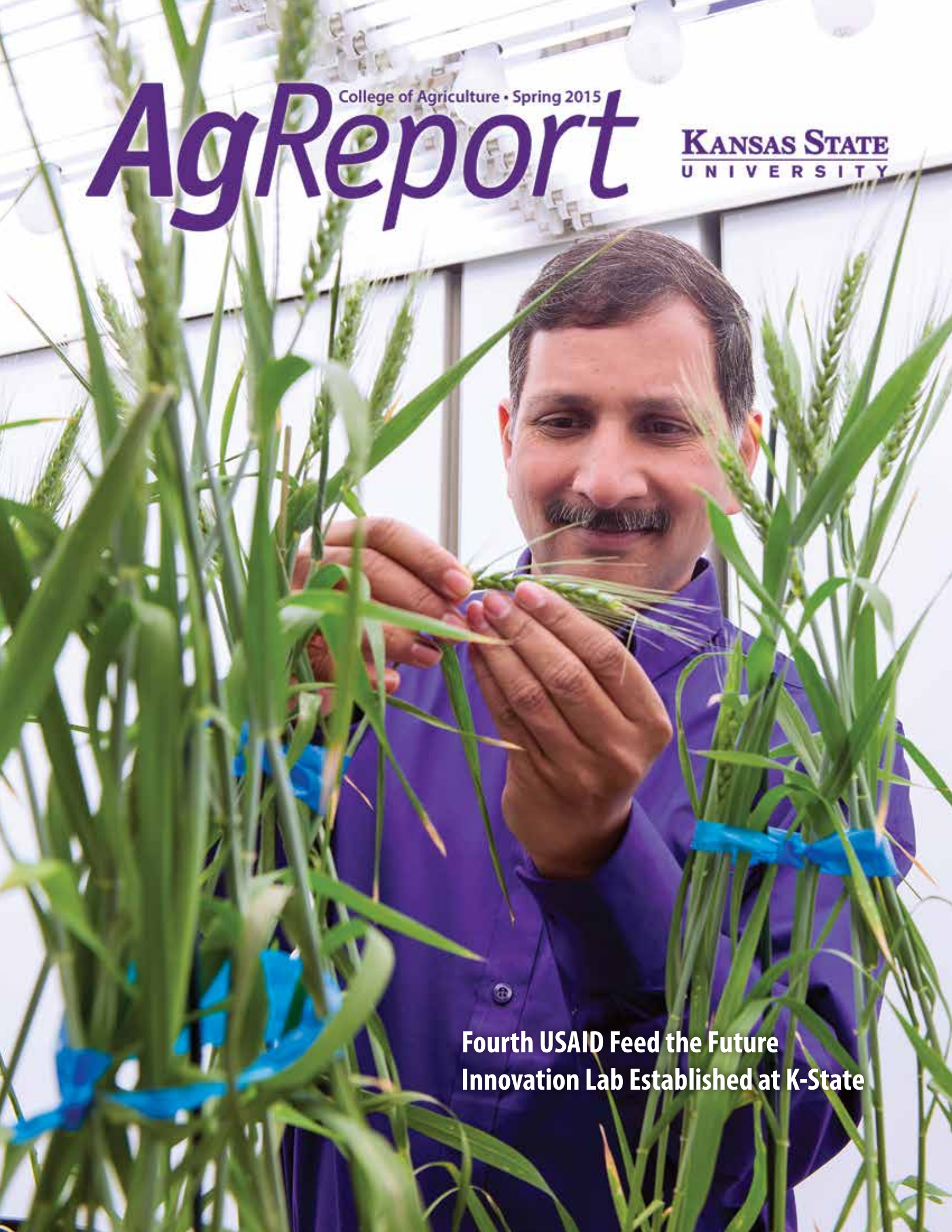
College of Agriculture • Spring 2015

AgReport

KANSAS STATE UNIVERSITY



Fourth USAID Feed the Future Innovation Lab Established at K-State

From the Dean and Director

Dan Donnert

John Floros (L-R), dean of the College of Agriculture and director of K-State Research and Extension; Robert Fraley, executive vice president and chief technology officer for Monsanto; and Mark Gardiner, Gardiner Angus Ranch, visit before Fraley's lecture.

Thank you to the Gardiner family for establishing the Henry C. Gardiner Global Food Systems Lecture Series. Robert Fraley, executive vice president and chief technology officer for Monsanto, spoke to a large, diverse crowd in McCain Auditorium on January 26.

Offering opportunities for students to listen to and often interact with world-class experts — many of whom are K-State alumni — enriches the educational experience.

I'm pleased with our many accomplishments across the college and K-State Research and Extension. Even with news of budgets cuts that will affect how we operate, I prefer to remain positive and concentrate on how our excellent faculty are developing the leaders of tomorrow and that our statewide programs make a difference in the lives of all Kansans.

Agriculture is the No. 1 economic driver in Kansas, and we support that industry to become more competitive in the near future and beyond.

With offices and research centers across the state, we can help improve the lives of every Kansas citizen and family with useful, research-based information. Our knowledgeable staff work closely with rural and urban community leaders to address challenges in their areas.

Once again, College of Agriculture enrollment numbers are up, and job/graduate school placement is nearly 100 percent. At the ninth annual Agri-Industry Career Fair, 96 employers visited with more than 470 students about job and internship prospects.

Participating on competition teams, Ag Ambassadors, MANRRS, club projects, and student government offers leadership opportunities that directly translate to job skills. As students plan and execute campus events, such as the annual legacy sale and the weekly bake sales, they learn valuable organizational and management traits.

In addition to life skills, 4-H youth learn the importance of giving back to their communities. Congratulations to the students who initiated the 48 Hours of 4-H event that benefited communities statewide.

Our faculty and staff continue to be recognized for their outstanding teaching, research, and extension efforts. Undergraduate and graduate students benefit by working directly with these experts in classrooms, greenhouses, labs, fields, and animal research facilities. We are training the scientists who will address tomorrow's challenges.

John D. Floros

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Dean and Director

AgReport

Spring 2015

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

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Contents

On the cover

Vara Prasad — professor of agronomy and director of the USAID Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification — inspects wheat plants in a Throckmorton Plant Sciences Center growth chamber.

More on pages 4–5.

Photo Division of Communications and Marketing

News Briefs

Courtesy of the Department of Agricultural Economics

Professor Art Barnaby explains 2014 Farm Bill options to a large crowd in Sedgwick County.

Understanding the 2014 Farm Bill

Farmers and ranchers face many decisions regarding the Agricultural Act of 2014, or the 2014 Farm Bill.

To help make those decisions, K-State agricultural economists Art Barnaby and Mykel Taylor held training and informational meetings January 2014 through February 2015 with a total attendance of nearly 10,000.

Many attended more than one meeting to improve their understanding, said Taylor.

K-State Research and Extension agents assisted the Farm Service Agency with 165 meetings, reaching 10,882 producers and landowners. Agents also conducted at least 3,800 one-on-one follow-up meetings.

When the Base Reallocation and Payment Yield update deadline was extended, Taylor and Barnaby offered an hour-long webinar with additional updates.

"K-State Research and Extension provided vital information to Kansas farmers, enabling them to make the best risk management choice of the options offered by the 2014 Farm Bill for their particular farm operation," said Adrian J. Polansky, state executive director, Kansas Farm Service Agency.

Recordings of presentations offered at the meetings and additional resources are available at *www.AgManager.Info*.

KANSAS AGRICULTURAL EXPERIMENT STATION

Research Reports

Access research online

Agricultural Experiment Station researchers on campus and at centers around the state conduct studies in nearly all areas of agricultural production for K-State Research and Extension.

Preliminary reports of research results are now available through "KAES Research Reports," *http://newprairiepress.org/kaesrr/*, a new online publication hosted by New Prairie Press at the Kansas State University Libraries.

Articles are freely available online to the world, with no financial barriers to access, said Charlene Simser, K-State Libraries professor.

"We are delighted to have the ag experiment station on board," she said. "The authors will enjoy seeing their analytics. In the first week, we saw 102 downloads of reports."

Follow @KAESRR on Twitter for updates on reports and visit *http://newprairiepress.org/kaesrr/* to view and download recent reports and issues or to subscribe to updates.

New northwest Kansas resource

Northwest Kansas communities have a new resource. Nadine Sigle has been named the Dane G. Hansen Northwest Kansas community vitality specialist.

Sigle will assist community development specialists with training programs, support materials, and event planning by drawing on her extensive experience as a family and consumer sciences agent, volunteer, and Kansas PRIDE assistant.

The new position, based in Osborne County, is funded by a partnership between the Dane G. Hansen Foundation and K-State Research and Extension.

"This new position will help both organizations work toward making the communities of northwest Kansas better places to live," said John Floros, dean of the College of Agriculture and director of K-State Research and Extension.

Most planted wheat varieties

The leading hard red winter and hard white winter wheat varieties planted in Kansas were both developed by Kansas State University, according to the USDA National Agricultural Statistics Service.

Everest, a hard red winter wheat, continues to be the leading variety of all wheat seeded in Kansas. It accounts for 15.8 percent of the state's 2015 planted wheat acres and was the most popular variety in the eastern two thirds of the state.

Hard white winter varieties accounted for 2.7 percent of the state's acreage. Danby was the leading hard white variety, accounting for just less than 50 percent of the state's white wheat. The majority of the white wheat was planted in the southwestern portion of the state.

Candy for cattle

A U.S. patent has been issued to the Kansas State University Research Foundation for a "candy" that ensures cows and other livestock get their vitamins.

Jim Drouillard, professor of animal sciences and industry; Tom Herald, food chemist and adjunct professor of grain science and industry; and Matthew Greenquist (MS '04) developed a candy-like coating that protects vitamins and other micronutrients given to cattle and other ruminant animals from being prematurely digested by bacteria in the animal's digestive system.

The coating is dried into cellophane-like sheets or spray dried into a powder form. Once dried, the material can be sprinkled onto the feed for cattle and other ruminant animals.

Making a Difference for Kansans

Go to ***www.ksu.edu/challenges*** to view videos, stories, and annual reports about how K-State Research and Extension is addressing the five grand challenges facing Kansas — global food systems, water, health, developing tomorrow's leaders, and community vitality.

Gordon Smith enjoys one of the perks of his new job — croissants fresh from the oven.

Bob Holcombe

New department head chosen

Gordon Smith brings a wealth of industry and academic experience to K-State as new head of the Department of Grain Science and Industry and director of the IGP Institute.

He served nine years as vice president and research fellow for ConAgra Foods' research, quality, and innovation team in Omaha, Nebraska. He also has worked in research and development for Sara Lee Foods in Cincinnati, Ohio, and Jimmy Dean Foods, a division of Sara Lee, in Memphis, Tennessee.

Smith said he hopes to continue the great tradition of the department while striving to make it even more relevant to students, the industry, and consumers of grain products. The diversity of the department, he said, is a key advantage that can be further leveraged to address critical challenges.

"My career has focused on translating science into meaningful products for consumers," Smith said. "I believe educational excellence is rooted in great teaching in conjunction with motivated students and faculty."

Dan Donnert

John Floros, dean of the College of Agriculture and director of K-State Research and Extension, prepares to lay a wreath at the Martin Luther King Jr. bust at Ahearn Field House on January 30.

The college also sponsored the 11th annual Diversity Student Leader Program, with Rodney Patterson, corporate diversity and talent management officer for CoBank, as the speaker. These events were part of the university-wide Martin Luther King Jr. Observance Week.

Sustainable Intensification Innovation Lab Aims to Improve Nutrition, Curb Hunger

Helping the World's Most Vulnerable People

Kansas State University is putting the final pieces in place for a project that will play a role in helping the world's farmers produce enough food to feed an estimated 9.6 billion people by the year 2050.

In fall 2014, the U.S. Agency for International Development (USAID) awarded the university a $50 million grant to lead research on sustainable intensification, or the ability to produce more food and nutrition on the same land base, while protecting the natural resources required for its production.

The five-year grant launched the university's Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification. It was the fourth — and largest — Feed the Future grant K-State has received from USAID, which has invested $100 million in grant funds with the university since July 2013.

"USAID is recognizing Kansas State University's ability to develop and implement effective science-based international programs in agriculture," said Nina Lilja, associate dean of international agricultural programs and co-principal investigator for the lab.

Vara Prasad, professor of crop ecophysiology and the lab's director, said early work has focused on putting a staff in place. He hopes to have as many as eight positions filled by late March 2015.

K-State is working with the University of California–Davis, which will lead a newly formed Geospatial and Farming Systems Consortium. UC–Davis will provide detailed maps of farmland in countries that will host research supported by the innovation lab.

Another group — the Appropriate Scale Mechanization Consortium — will help to determine tools, technologies, and methods that best suit smallholder farmers in the target countries.

USAID is recognizing Kansas State University's ability to develop and implement effective science-based international programs in agriculture.

Prasad recently returned from Bangladesh and India, where he met with research partners to discuss "how best to collaborate so that we have the most positive impact in the future."

"We are identifying locations in six countries where work will be done and what impact that will have on food production," he said. The maps created by UC–Davis "establish the baseline

Courtesy of Gary Pierzynski

Vara Prasad (second from left), lab director, and Gary Pierzynski (far right), university distinguished professor of agronomy, visit with farmers in Niger about improving sorghum productivity.

information for research and will help us determine the interventions that will make the most impact."

As the project management entity, K-State will distribute funds from the USAID grant to universities and research partners capable of conducting work in regions of Africa and Asia. Some of the countries initially targeted are Bangladesh, Cambodia, Burkina Faso, Senegal, Ethiopia, and Tanzania.

Those countries, Prasad said, generally are food insecure, among the world's poorest, and have many smallholder farmers. Also, research in those countries can be applied at a different scale in Kansas and across the United States.

Gary Pierzynski, department head for agronomy and co-principal investigator, emphasized that work in the target countries focuses not only on how to grow more food, but food that is more nutritious, such as short-season vegetables and crops that contain more vitamins and minerals, or raising fish to add more protein to diets.

Pierzynski noted that one of the new positions on K-State's sustainable intensification team will be a full-time farming system nutritionist.

In a release announcing the grant, USAID Administrator Rajiv Shah said U.S. universities are key to improving nutrition and ending global hunger.

"By creating and scaling cutting-edge solutions to our most pressing agricultural challenges," he said, "we can help the world's most vulnerable people move from dependency to self-sufficiency — and out of the tragic cycle of extreme poverty."

By Pat Melgares

Division of Communications and Marketing

Co-principal investigators for the sustainable intensification lab — Gary Pierzynski (left), department head and university distinguished professor of agronomy, and Nina Lilja (right), associate dean for international agricultural programs — oversee project details and work closely with Vara Prasad (center), professor of agronomy and lab director.

FEED THE FUTURE

The U.S. Government's Global Hunger and Food Security Initiative

Feed the Future at K-State

Within the last three years, the U.S. Agency for International Development has awarded Kansas State University $100 million in grants to establish Feed the Future innovation laboratories. Feed the Future is the U.S. government's global hunger and food security initiative.

For more information:

Feed the Future Innovation Lab for Collaborative Research on Sorghum and Millet
www.ksu.edu/smil

Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss
www.reducephl.org

Feed the Future Innovation Lab for Applied Wheat Genomics
www.wheatgenetics.org

Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification
www.ksu.edu/siil

Agronomist Ignacio Ciampitti uses the *Abnormal Corn Ears iBook,* an interactive resource he helped develop for producers to identify crop problems.

Dan Donnert

Professional development key to success in new career roles

Learning Never Ends

With the possibility of a 50 percent turnover in faculty in the next 10 years, getting new hires acquainted with resources on campus and at the national level will help Kansas State University reach its goal to be a top 50 public research university.

During the 2012–2013 academic year, J. Ernest "Ernie" Minton noticed that more and more of his time involved interviews for new faculty hires. Minton, associate dean for research for the college and research associate director for K-State Research and Extension, attributed this to the university entering the baby boomer retirement wave.

"We took a look at some of our data and compared the ages of our faculty with their academic rank, using 65 as an arbitrary retirement age," Minton said. "By 2025, we could turn over nearly 50 percent of our agricultural experiment station faculty."

New program launched

Faced with the reality of helping successfully transition these new faculty, Minton set up the K-StARS (K-State Ag Research Scholars) program.

"This faculty turnover represents a challenge to continue building on our excellent research accomplishments and the opportunity to provide our new faculty with more tools to be successful," Minton said.

In the past two years, he has taken faculty to Washington, D.C., to meet with federal funding agencies.

"The federal funding climate is very difficult, so we wanted to help facilitate relationship building with national program leaders and get early career faculty comfortable submitting to a more diverse group of agencies, including National Science Foundation and the National Institutes of Health, in addition to USDA," Minton said.

"We want them to submit grant proposals and participate in grant review panels early in their career, which is a good way to find out characteristics of successful grants," he said.

He also has worked to organize topical sessions on campus, so faculty can become aware of college- and university-level resources to help them succeed in their research appointments.

Twenty-seven pre-tenure faculty from the college participated in the K-StARS program during the first two years. In addition to faculty with majority research appointments, the group included some with majority teaching or extension appointments.

"All who participate may not submit federal grants as principal investigators, but it is good to expose them, as they may be co-investigators at some point," he said.

Faculty in the colleges of Education and Engineering participated in the Washington, D.C., trip the first year. Additional colleges joined the second year.

Resources for teachers

Don Boggs, associate dean for academic programs, said all new university faculty are encouraged to participate in the New Faculty Institute as well as workshops hosted by the Teaching and Learning Center. They can also sign up to have an established faculty member review their teaching techniques.

"The College of Ag hosts a half-day workshop to help make the new faculty aware of rules, procedures, and technologies related to their teaching and advising," Boggs said. "Additionally, most all of our departments appoint a mentor or mentoring committee for new faculty."

New faculty also have the opportunity to enhance their teaching skills by participating in the North American Colleges and Teachers of Agriculture summer meeting.

"We also offer a mini-grant program to encourage faculty to engage in the scholarship of teaching and learning," Boggs said.

Better equipped agents

Each year, K-State Research and Extension offers newly hired agents and specialists professional development opportunities to equip new staff with the skills needed to be successful.

Through the offerings, agents will be able to accept their responsibilities with confidence, understand what is expected of them, become effective and productive educators more rapidly, and feel comfortable in their new work environment.

Dan Donnert

(L-R) Senior Mariah Woolsoncroft, graduate students Angela Vesco and Lindsey Grimes, and Assistant Professor Andrea Sexten conduct research in a Call Hall laboratory.

According to Stacey Warner, leader for extension operations, agents report that networking opportunities are the most valuable experiences gained from new agent professional development.

In a recent survey, one agent said, "I really enjoyed each of my new agent training opportunities on campus. I also appreciate the time and energy K-State Research and Extension staff invested in me as a new agent. I appreciate how they always want feedback about my training experience, so they can tweak and refine the process even more. I feel like people want me to succeed."

There are currently 240 agent positions across the state, and 67 were hired in the last three years.

By Elaine Edwards

K-StARS program offers immediate benefits for new faculty

Ignacio Ciampitti, assistant professor of crop production and cropping systems, joined the agronomy department in 2013 and participated in K-StARS in 2014.

"I appreciated being able to put names and faces with the people who provide funding at the U.S. Department of Agriculture and National Science Foundation," said Ciampitti. "They explained how to think about funding for grants and how to apply for grants.

"The trip to Washington, D.C., also promotes interaction among new faculty, which continues on campus with seminars and training. A multidisciplinary atmosphere on campus encourages new faculty to integrate their research with others."

Andrea Sexten, assistant professor of animal sciences and industry since 2011, was a 2013 K-StARS participant. In addition to teaching and research, she is the department undergraduate research coordinator.

"The K-StARS program provided the opportunity to form relationships with other young faculty members from the College of Agriculture, and those relationships have turned into collaboration opportunities on a variety of projects," Sexten said.

"Meeting with the USDA and NSF program leaders allowed us to gain a deeper understanding of the granting process and grants that are available, such as those targeted to help fund teaching and undergraduate research programs.

"Also, we learned about the opportunity to serve on grant review panels, which is a great way to improve grant writing skills and gain a better understanding of the criteria needed for a successful proposal."

Ben Coomes, 2014 national championship team member, grades a corn sample using U.S. Federal Grain Inspection Standards, one of three components of the competition.

Hard work pays off for K-State Crops Team

The Legacy Continues

The success of the K-State Crops Team, winning the national crops judging competition title in 13 out of the past 16 years, speaks volumes about the very nature of Kansas State University — and not just because the team is a perennial winner.

"One of the most fundamental aspects of K-State is that we are truly focused on the all-around development of our undergraduate students," said Kevin Donnelly, professor of agronomy and coach of the crops teams.

"It's easy for any university to say it is focused on students, but not all demonstrate this commitment to students in practical ways as we do at K-State. The crops team, along with other student teams and opportunities for our undergraduates to participate in nonclassroom activities at K-State, gives the faculty involved a way to interact with our students in a personal way. We can help them develop as individuals and meet the challenges of their lives and careers after they graduate."

At K-State, we continue to place an emphasis on strong student development programs, and the crops team is good evidence of that.

This strong focus on undergraduate student involvement is unusual at universities these days, in part because it requires a considerable time commitment from faculty. This has led to a strong balance between student development and research with faculty, which pays off for the students.

"At K-State, we continue to place an emphasis on strong student development programs, and the crops team is good evidence of that," Donnelly said.

Donnelly followed the tradition of the previous crops team coach, Gerry Posler, who retired in 2008. Posler also spent many hours coaching the team to national titles.

Division of Communications and Marketing (2)

K-State Crops Team members Sam Knauss, left, and Ben Coomes practice identifying more than 300 plants and seeds required for the competition.

A lot of work goes into getting a team ready for competition.

"For the fall competition, we get the members of the team together for two- to three-hour blocks of time, twice a week," Donnelly explained. "I try to schedule this during the day, but we may meet in the evenings. We'll meet for about five hours a week, for 10 weeks, before the competition in November.

"For students who have the initiative, I like to encourage them to push the limits of what they can do. That will help them in their careers and in life, I believe. This is actually more important than just winning the competitions."

Being a good coach or mentor to students is not only about knowing the subject, he added.

"It's not just about the expertise of the coach and teaching that knowledge to students. It's about motivating the students to excel and do well at whatever task they're doing. It's about their commitment to do something beyond the minimum to get a degree. That's what will serve the students well in the future."

In the end, the K-State Crops Team and its unprecedented string of national championships show the kind of commitment to undergraduate student development made by the faculty and administration at K-State, Donnelly said. It's an effort that pays off for everyone involved.

"I enjoy working with students outside the classroom to enrich their experience," he said. "I try to keep track of all the students who have been on my teams over the years.

"It's rewarding when some of our agronomy alumni come back to give talks to our current students and mention how valuable their experience on the crops team or other teams in agronomy has been. I've been blessed to be part of it.

"We are truly a student-focused university, and I believe our students benefit greatly from that."

By Steve Watson

Kevin Donnelly, left, and Gerry Posler stand beside a Throckmorton Plant Sciences Center trophy case that holds most of the trophies won by the crops teams they have coached.

Crops contests were patterned after animal judging contests in the 1920s. The contests were not held during World War II (1942–1946).

K-State Crops Team coaches:

J. W Zahnley — 1923 to 1941

Ernie Mader — 1950 to 1968

Eugene Reeves — 1971

Gerry Posler — 1979 to 2007

Lance Gibson — 1992 to 1996, while Posler served as department head

Kevin Donnelly — 2008 to date

According to Posler, K-State didn't field a team every year; however, they have missed only two years since 1979.

For a direct link to crops team historical photos, go to *www.ksu.edu/agreport*.

Dan Donnert

40 Under 40

Two alumni selected for young leaders' list

Associate Professor Jason Ellis discusses class options with a student.

Bob Holcombe

Doubling food production by 2050 to meet a growing world population will require leadership and commitment.

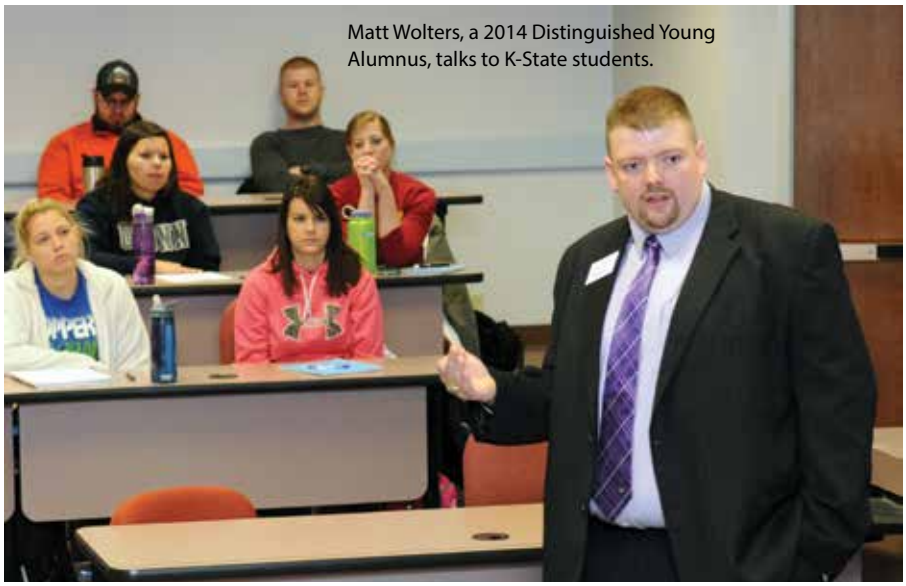
Vance Publishing has chosen 40 people under the age of 40 who have the potential to meet this global food challenge. Jason Ellis, K-State associate professor of agricultural communications and journalism, and Matt Wolters, co-owner of SureFire Ag Systems, are among those 40.

Innovative educator

Ellis (BS '98 agricultural journalism/animal sciences and industry) teaches multiple graduate and undergraduate agricultural communications courses and advises nearly 50 students. He has spent his professional career helping the agricultural industry communicate both internally and with those outside the industry.

Shannon Washburn (BS '95, MS '99), K-State professor of agricultural education, nominated his colleague.

Washburn described Ellis as a committed, effective, and highly productive teacher, a talented and well-respected researcher and research collaborator who has generated more than $6 million in funding to support his efforts.



Matt Wolters, a 2014 Distinguished Young Alumnus, talks to K-State students.

Dan Donnert

"He is a service-oriented leader who actively seeks out opportunities to improve the lives and work of others by sharing his expertise," said Washburn.

Rural entrepreneur

Wolters (BS '03 agricultural economics) returned to his hometown of Atwood to become a regional agricultural equipment sales representative.

Two years later, he helped found SureFire Ag Systems, which designs and manufactures solutions to apply fertilizer and chemicals to crops and fields in 45 states, Australia, Europe, and Asia.

Wolters and SureFire Ag also founded the Dream Big Education Foundation to promote and provide resources to enhance science, technology, engineering, agriculture, and math education in the Rawlins County school district.

"Matt's work proves he understands the importance of efficiently using resources to meet the 2050 challenge," said Kerry Wefald (BS '98, MS '99), Kansas Department of Agriculture marketing director. "He knows that youth must be supported, encouraged, and empowered to pursue their goals and interests, so they are able to serve as the leaders of the agriculture industry in the future."

Global Issues Come to Campus

The Gardiner Family establishes a new lecture series to honor Henry C. Gardiner

Dan Donnert

Robert Fraley, executive vice president and chief technology officer for Monsanto, delivers the inaugural Henry C. Gardiner Global Food Systems Lecture.

Henry C. Gardiner dedicated his career to improving the beef industry through science and technology.

It seems appropriate that a lecture series bearing Gardiner's name brought Robert Fraley, executive vice president and chief technology officer for Monsanto, to Manhattan to discuss how science and technology would help feed a growing population expected to reach 9.6 billion by 2050.

When the Gardiner family was looking for a way to honor Henry, (BS '53 animal science), they contacted Emilie Fink, development officer for the College of Agriculture. In May 2013, the idea for the lecture series went forward to John Floros, dean of the college and director of K-State Research and Extension, for his approval.

By fall 2013, an 18-member committee — which included Fink (BS '06 animal science), Henry's son Mark Gardiner (BS '83 animal science), and Steven Graham (MS '81 grain science), assistant to the dean and director — was formed to work out the details for the Henry C. Gardiner Global Food Systems Lecture Series.

With the lecture series goal to present educational, thought-provoking information to the public — Robert Fraley was chosen as the inaugural speaker. Fraley and two colleagues had recently received the prestigious World Food Prize for their efforts to genetically modify plants.

On Jan. 26, 2015, Fraley met with K-State students and toured the Kansas Wheat Innovation Center. Then, more than 1,000 students, farmers, and the public packed McCain Auditorium to hear him address the challenges facing agriculture in the coming decades.

"I know I'm expected to say genetically modified organisms are the answer to everything," Fraley said "But I think the most remarkable story is how our technology has changed the way we produce crops."

However, Fraley doesn't leave GMOs out of the equation for feeding a larger population. He pointed out that these organisms, designed to withstand such factors as climate and pests, have been consumed for 20 years, and every major scientific body and regulatory agency in the world has concluded GMO products are safe.

"Dr. Robert Fraley's lecture was special to the Gardiner family for many reasons," said Mark Gardiner. "First of all, Dr. Fraley did what we all had hoped, to bring honor and discussion to Kansas State University about our mission — the duty and opportunity to feed the world.

"Secondly, it was truly special because Dr. Fraley was such a genuine person who was willing and very capable of communicating with everyone. It was truly exciting to see McCain Auditorium packed for an evening of education for all of us.

"The evening was especially rewarding to our family as our father, Henry, had passed away five days prior to the lecture. This evening was the type of event that Henry loved because we were discussing, learning, and looking to be and do better in all that we do.

"I know for a fact that Henry C. Gardiner enjoyed this night as he listened in from above. The Gardiner family is truly thankful for the efforts of so many that made this event such a success!"

Dean and Director Floros also was pleased with the lecture and the attendance.

"As the first lecture in the series, it was a spectacular success," said Floros. "The presentation was in depth where it needed to be but broad enough that anyone can understand these agricultural issues. The questions from the audience were tough but thoughtful, and Fraley did a good job answering those questions respectfully. I hope to follow up next year with another speaker as compelling."

For a video and transcript of the lecture, go to *www.k-state.edu/globalfood/lecture-series/*.

by Gloria Holcombe

Study Tours Take Students Across the Globe

At a hands-on pasta school in Florence, Italy, food science and industry students (L-R) Amber Laudick, Josh Sinning, Garrett Dietz, and Austin Bloss made several kinds of pasta and then dined on their creations.

Courtesy of Melvin Hunt (2)

Most days, Nicholas Fief walks about 10 minutes to get to class on Kansas State University's Manhattan campus.

But during spring break this year, he opted for a 10-hour plane ride.

Fief was one of 14 food science students who took a weeklong study tour to parts of Spain. The tour was led by Associate Professor Scott Schaake.

"It was important for me to go on this trip while in college," Fief said. "I was very fortunate for this opportunity to immerse myself in a different culture and to see how people live in a different country."

Each year, K-State agriculture students participate in tours. To earn academic credit, they are required to attend several lead-up courses. The cost ranges from $3,000 to $5,500, sometimes offset by grant dollars, private donations, or scholarships.

Schaake previously led animal science tours to Canada and Australia. Emeritus Professor Melvin Hunt has led food science tours to Italy in 2008, 2010, 2012, and 2014; and to Spain in 2011 and 2013.

Andrew Barkley, professor of agricultural economics, and Mary Ellen Barkley, assistant director of Career and Employment Services, have taken 20 to 30 students to Brazil (2012), South Africa (2013), and China (2014).

Chuck Rice, university distinguished professor of agronomy, led a 13-day trip to Brazil in January 2015 that included tours of a sugar mill, sugar cane ethanol plant, Monsanto Biotechnology, STARA Precision Ag, and many local farms.

Cathie Lavis, associate professor in horticulture, forestry and recreation resources, has accompanied students to Costa Rica (2009), Italy (2010), England/Wales (2011), Australia (2013) and Netherlands/Belgium (2014).

And Jason Ellis, associate professor of communications

and agricultural education, has led trips to England and Scotland (2012) and Ireland (2014).

"These tours open students' minds to new cultures, customs, and ways of thinking and doing business," Ellis said. "Just as we encourage and expect students to take a variety of courses to broaden their university experience, the study tours help broaden their understanding of history, culture, politics, and more from firsthand experience."

"We try to empower the students to be responsible for various aspects of the experience," said Hunt, who retired in 2010 after 35 years in the Department of Animal Sciences and Industry. "We want to give them international experience and have them think on their own."

The trips are part fun and part learning about cultures and the students' area of study. So, during the trip, they may visit a foodservice operation, animal facility, garden, farm, or other related business.

"In the Netherlands, we saw greenhouses as far as the eye can see," said Lavis, describing the country as "a horticultural mecca."

In a global economy, Barkley sees another benefit: "International travel and study provides an enormous opportunity to learn about people different from yourself. Participants learn about themselves, how to work with others, how to be diplomatic, and how to become a better citizen of the world."

Added Fief: "To some extent, all means of production depend on the consumer of the product. Being able to see what types of foods are produced in Spain will help me better understand international trends and commonalities in terms of the foods we eat."

Students interested in future study tours can contact the K-State Office of International Programs, or an advisor in their department. Information also is available at *www.k-state.edu/studyabroad*.

By Pat Melgares

Behind the Scenes

Whether or not they are seasoned travelers, students often find that international study doesn't feel so foreign.

Since 2002, the College of Agriculture has sponsored 30 trips involving 465 students, who take pre-trip classes and are guided through a process that includes everything from detailed packing lists to vaccinations and contact information for parents.

That often means they cross paths with Mishelle Hay McCammant.

A meticulous planner, Hay McCammant — the student services coordinator in the Department of Animal Sciences and Industry — took her first trip out of the United States through a study tour to Australia in 2006.

(L-R) Mishelle Hay McCammant with students Elizabeth Clark and Hannah McCabe in Barcelona, Spain.

"There are so many 'small' things that come up on these tours that you simply are not aware if you have never been on a tour," Hay McCammant said. "We used to cram a lot into each day, which on paper looks fine. In reality, you quickly learn that days with too much planned are incredibly difficult. You are always late to the next place, the drivers are stressed … and the students feel rushed and overwhelmed."

Hay McCammant has planned 27 animal science and food science tours since 2005, and has helped other departments, such as an agricultural economics tour to Brazil led by professor Andrew Barkley.

"The College of Agriculture is enormously supportive of study abroad," Barkley said. "Our students benefit from having financial, academic, and personal support from the administrators and faculty."

Hay McCammant starts planning about 11 months out on group rates for hotels and airfare. Then, she will schedule and plan classes, advertise for participants, contact tour directors, develop room and seating assignments, and gather health and other information that is packed into a tidy itinerary.

All of which, she said, is worth the effort: "I sincerely enjoy seeing students who have never left the country experience a new culture. These experiences provide students with global competence and awareness that seldom can be experienced on campus."

Hay McCammant noted that success in international study depends on support from department heads and Associate Dean Don Boggs, who rallies faculty to lead tours and has worked to provide financial support, when possible.

"Few administrators have the passion and commitment to study abroad that Dr. Boggs has," she said, "and because of this, the college has been incredibly successful in providing diverse and plentiful opportunities."

Student club activities provide experience, raise funds

Gloria Holcombe

The K-State Horticulture Club ordered 550 roses to create arrangements for Valentine's Day. Profits from the sale help fund the club's participation in the Professional Landcare Network (PLANET) Career Days and other activities.

The club's next fundraiser is selling bedding plants.

Bob Holcombe (2)

Pet food is a $23 billion industry in the United States. To prepare students to capitalize on this market, the Department of Grain Science and Industry started offering a pet food processing class in 2011. The Pet Food Science minor and the Pet Food Production option in feed science were added in fall 2012.

Above: Members of the Feed Science Club package dog treats. They baked holiday-shaped treats in December and Valentine-shaped ones in February. They sell the treats in conjunction with the Bakery Science Club sales in Shellenberger Hall.

For more information, contact Greg Aldrich, *aldrich4@ksu.edu*

New LiveSafe app improves campus safety

Kansas State University has a new safety app free to students, faculty, staff, visitors, parents and community members. LiveSafe enables smartphone users to anonymously send text, photo and video tips to campus police; have friends and family monitor their walks using GPS; find campus safety procedures and resources; and more.

The implementation of the app was a collaborative effort by the vice president for student life, the Office of Student Life, K-State Police Department, Division of Communications and Marketing, and the Student Governing Association. Reagan Kays, SGA president and senior in agribusiness, was instrumental in bringing this app to campus.

"K-State has put itself on the forefront of student safety with the implementation of the LiveSafe app," Kays said.

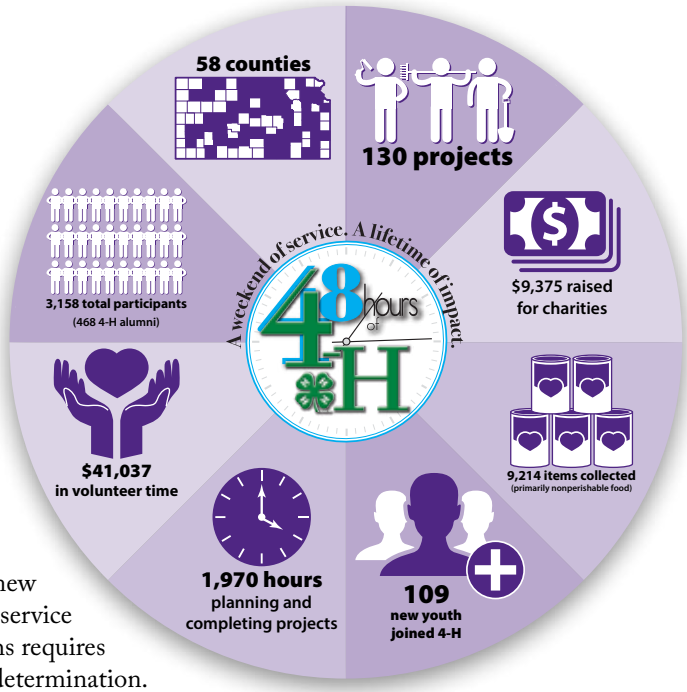
"As a student leader, the best thing we can do for our fellow students is to keep them safe, and that is exactly what this app does. K-State is the trendsetter in implementing this app, with our colleagues across the state now exploring implementation of LiveSafe."

LiveSafe is free and can be downloaded on any iPhone or Android-based device through iTunes or Google Play.

By Lindsey Elliott

A weekend of service. A lifetime of impact.

48 hours



"The people in the community were so appreciative for the help. One lady even came around and gave each child and adult a hug! The kids worked hard and had a great time!"

"4-H alumni got to give back to the program that provided so many great memories and skills."

"It's inspiring to see so many of our young people come together and work toward a common goal of helping those less fortunate."

"Never has picking up trash been so fun."

Pulling together a new statewide community service project in eight months requires careful planning and determination. But the Kansas 4-H Youth Leadership Council executive officers were able to make it happen in a big way.

In February 2014 Blake Foraker, sophomore in animal sciences and industry; Anna Setter, freshman in food science and industry; Jill Seiler, freshman in agricultural communications and journalism; and Jacqueline Clawson, Meade High School senior, discussed how they could create an event similar to Texas One Day 4-H.

Dan Donnert

Blake Foraker (L-R), Jill Seiler, and Anna Setter review results of their successful 48-hour service project, which was a collaboration among the Kansas 4-H Youth Leadership Council, Kansas 4-H Foundation, and 4-H Youth Development.

"We put our ideas on paper and built it from the ground up," said Seiler.

They chose to have a two-day event as a finale for National 4-H Week in October with clubs all across the state holding events in their counties. By April, they had a plan and budget ready to present to the Kansas 4-H Foundation for seed money. Their plan was approved.

The next step was to promote the event. They unveiled "48 Hours of 4-H" in early June to the 565 4-H members and 75 leaders in Manhattan for Discovery Days.

Committee members held weekly conference calls and created spreadsheets of the 130 projects in 58 counties scheduled for October 11 and 12. The projects ranged from painting at Rock Springs 4-H Center to helping at animal shelters or working at food banks to making care packages for military serving overseas.

In November, they shared results from the weekend at the Kansas Youth Leadership Forum. Youth at the conference offered feedback on how to get even more clubs involved. The next 48 Hours of 4-H is scheduled for Oct. 10–11, 2015.

"We were looking for a way to unite 4-H across the state at the local level," Foraker said. "We hope to watch this initiative grow over the next few years."

by Gloria Holcombe

Student Highlights

Nick Sevart, PhD candidate in food science, received the $7,500 K-State Presidential Doctoral Scholarship from the Graduate School. His research is supported by the USDA/NIFA Coordinated Agricultural Projects grant to control Shiga toxin-producing *Escherichia coli* across the beef system. Professor Randy Phebus is his advisor.

Kerri Neugebauer, plant pathology doctoral student, has earned the Jeanie Borlaug Laube Women in Triticum Early Career Award. She will present her work on leaf rust resistance and receive her award at the Borlaug Global Rust Initiative technical workshop in Sydney, Australia. Harold Trick, professor of plant pathology, and John Fellers, USDA/ARS research molecular biologist, are her co-advisors.

Phi Kappa Phi, the oldest all-discipline honor society, initiated these students: **Yuxin He**, doctoral student in agronomy, **Neha Maheshwari**, master's student in food science, and **Jorge Torrebiarte**, junior in agricultural technology management, all of Manhattan; **Kelsie Hoss,** junior in animal sciences and industry; **Derek Janssen**, senior in food science and industry; and **Patrice Lyon**, master's student in food science.

The North Central Region Sustainable Agriculture Research and Education Program awarded $10,000 grants each to three graduate students and their mentors: **Devin Mangus**, Kanarado, and **Ajay Sharda**, associate professor in biological and agricultural engineering; **Jennifer Frederick**, Lexington, Kentucky, and **Bhadriraju Subramanyam**, university distinguished professor of grain science; **Eric Obeng**, Kumasi, Ghana, and **Augustine Obour,** soil scientist at K-State's Agricultural Research Center–Hays.

Plant pathology doctoral students **Damien Downes**, **Bethany Grabow**, and **Jessica Rupp** each received $6,000 Tillman Family Agriculture Graduate Student awards. The funds are spread over two semesters and offered in memory of Marcia Edythe Tillman.

Phi Beta Kappa, the nation's oldest academic honor society, has inducted new members, including **Carolyn Fox**, junior in agronomy, Manhattan; and **Tess Rychener,** junior in animal sciences and industry, Colorado Springs, Colorado.

A team of 23 K-State students participated at the 55th Midwest Model United Nations Conference in St. Louis, Missouri, Feb. 18–21. **Halli Wigger**, freshman in agricultural economics, won the delegate's choice award for representing Cuba on the International Fund for Agricultural Development.

Kenneth "Garrett" Kays, Weir, is one of four K-State students nominated for the 2015 Harry S. Truman Scholarship. Kays, a junior in agricultural economics and natural resources and environmental sciences, plans to pursue his master's degree in agricultural economics and a career in agricultural trade policy. Since 1977, 34 K-State students have received the Truman Scholarship — more than any other state-supported university.

Agricultural communications and journalism student results from the Ag Media Summit competition in Indianapolis: **Maggie Seiler**, third, short feature story, *From Cow to Consumption*; **Kate Hagans**, second, radio package, *Catastrophic Disease in the Livestock Industry*; **Melissa Grimmell**, second, scenic photo; **Casey Droddy**, first, single item and Excellence in Public Relations, *International Grains Program Year in Review 2013*. Seiler was elected national vice president of Agricultural Communicators of Tomorrow, and **Briana Jacobus,** was chosen member relations coordinator for the organization.

Agricultural education seniors **Kinzie Selke** and **Katelyn Vincent** were among 15 students nationally to receive $750 awards from the National Association of Agricultural Educators to help cover student teaching expenses. The scholarship is sponsored by Cengage Learning and National Geographic Learning.

Courtesy of the Department of Agricultural Economics

Justine Floyd, senior in agribusiness and communications assistant for the Department of Agricultural Economics, received the Commerce Bank Presidential Student Award for Distinguished Services in Enhancing Multiculturalism at Kansas State University.

Courtesy of Logan Britton

Logan Britton (right), senior in agricultural communications and journalism/agricultural economics from Bartlett, earned the 2014 Livestock Publications Council Forrest Bassford Student Award sponsored by Alltech.

The award honors excellence, professionalism, and leadership among students studying agricultural communications.

Since the award's creation in 1985, K-State has had 10 student award winners and 16 finalists, the most of any institution.

Division of Communications and Marketing

The Pride of Wildcat Land, the Kansas State University Marching Band, was recently named the top marching band in the U.S. The band received the Sudler Trophy, which is awarded biennially to a college or university marching band that has demonstrated the highest musical standards and innovative marching routines and ideas, and that has made important contributions to the advancement of the performance standards of college marching bands for a number of years.

College of Agriculture students who participate in band:

Agricultural communications and journalism — **Celine Beggs**, Clearfield, Iowa

Agricultural education — **Victoria Thompson**, Leavenworth

Agronomy — **Sarah Zerger**, Cheney

Animal sciences and industry — **Rebecca Bishop**, Overland Park; **Abby Doerksen**, Wichita; **Matthew Kelso**, Eudora; **Sarah Krueger**, Lebo; **Lindsey Mansfield**, Manhattan; **Kylie Puckett**, Oskaloosa; **Megan Robinson**, Lawrence; **Cassondra Sapata-Smith**, Topeka; **Spencer Smith**, Overland Park; **Cole Spickler**, Overland Park; **Vivian Wilson-Kind**, Ruidoso Downs, New Mexico; and **Jennifer Wuelzer**, Olathe

Bakery science and management — **Josh Maske**, Manhattan; **Abbie Walker**, Houston, Texas; **Kendal Walton**, Arkansas City

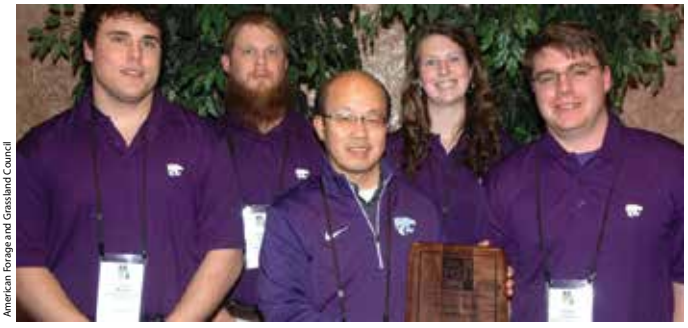
Food science and industry — **Alejandro Coria**, Burlington; **Owen Moore**, Olathe; **Caitlin Pineda**, Manhattan; **Shelby Rose**, Louisburg

Horticulture — **Nathan Meier**, Olathe

Milling science and management — **Sumner Harrelson**, Leawood

Park management and conservation — **Bridget Jarvis**, Eden Prairie, Minnesota

Wildlife and outdoor enterprise management — **Jacob Winkel**, Manhattan



American Forage and Grassland Council

The agronomy forage bowl team won the National Forage Bowl Competition at the American Forage and Grassland Council Annual Meeting in St. Louis, Missouri. This was the K-State team's first time to enter the competition. K-State Agronomy Forage Bowl Team members (L-R): **Cole Renner**, Norton; **Garan Belt**, Dunlap; **Doohong Min**, team coach and assistant professor of agronomy; **Jessica Bramhall**, Seneca; and **Dan Carlson**, Lenexa.

Nathan Laudan, senior in food science and industry/agricultural communications and journalism, and **Katie VanDever**, sophomore in communication studies, were elected student ambassadors to represent the student body at university and alumni events throughout the state.

Ambassadors serve a one-year term and receive a $1,500 scholarship and an official K-State ring from the K-State Alumni Association.

"To have a chance to serve the university and the students as an ambassador is a huge honor and privilege," Laudan said.

Division of Communications and Marketing

Australian researcher John Pluske (second from right), and Mike Tokach (far right), university distinguished professor of animal sciences and industry, tour the new K-State swine facility.

Division of Communications and Marketing

K-State Hosts its First Fulbright Scholars

Australian researchers John Pluske and Zed Rengel spent six months in Manhattan as Kansas State University's first Fulbright scholars, studying, teaching, and setting the foundation for future collaborations.

Pluske, a professor in the Murdoch University School of Veterinary and Life Sciences in Perth, Australia, worked with K-State's Department of Animal Sciences and Industry and College of Veterinary Medicine as a Fulbright Distinguished Chair in Agriculture and Life Sciences. He collaborated with Mike Tokach, swine extension state leader with K-State Research and Extension, and other faculty members as he studied antibiotic-resistant populations of bacteria in the gut of swine associated with the use of alternative microbial feed additives.

K-State is the first U.S. educational institutional partner of the Australian-American Fulbright Commission, which gives two Australian researchers the opportunity to conduct research at K-State every year.

Rengel, a Fulbright Senior Scholar who is the Winthrop professor in the University of Western Australia's School of Earth and Environment in Crawley, Western Australia, worked with K-State agronomy professors Guihua Bai and Vara Prasad and colleagues in identifying molecular markers linked to specific traits of wheat roots and integrating them into a root simulation system. The work is a step toward the development of wheat varieties that use water and nutrients more efficiently.

K-State is the first U.S. educational institutional partner of the Australian-American Fulbright Commission, which gives two Australian researchers the opportunity to conduct research at K-State every year. The goal is to foster new connections between the United States and Australia by building

partnerships and friendships through mutual understanding and education, plus cultural exchanges.

In addition to research, Rengel and Pluske presented seminars to students and other groups and shared information about their professional experiences, life in Australia, and their industries. For Rengel, that is the Australian wheat industry and for Pluske, Australia's pork industry.

Pluske and Rengel were in Manhattan from July 2014 until January 2015.

Rengel said he was impressed with K-State's facilities, technology, and the faculty, noting that it would have taken him years of study in his root research to get the information he found at K-State. He plans to continue an association with Bai and expects more collaboration in the future.

"I couldn't believe it," he said of K-State students' interest in agriculture.

The Fulbright program is the largest educational scholarship of its kind. It was created by U.S. Sen. J. William Fulbright and the U.S. government in 1946, with a goal of promoting mutual understanding through educational exchange. It operates among the United States and 155 other countries.

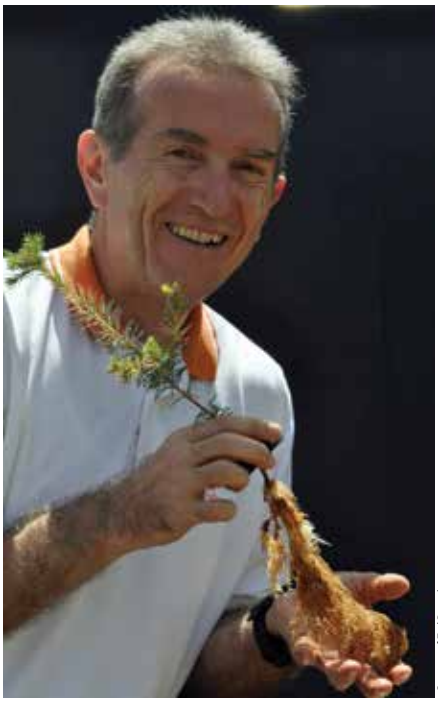
Fulbright scholars sometimes come away from the experience with more rewarding experiences than they expected, according to K-State professor of entomology, C. Michael "Mike" Smith. He served as a Fulbright research and teaching scholar in the Czech Republic in 2002.

"Like many Fulbrighters, I went with a preconceived notion of what I would accomplish, but wound up doing something very different and ultimately very satisfying," Smith said.

His work at the Czech Agricultural University led to an Austrian-Czech-Ethiopian-U.S. collaboration that identified the first strains of the Russian wheat aphid that can overcome aphid resistance genes in wheat. Those results led to even more collaborations, but he said, he learned much more than science.

"I had no idea that living in a country where most people spoke no English could help teach me how and why most people in the world approach life the way they do," he said. "I don't think many Fulbrighters appreciate the cultural aspects of the program initially, but my experience helped me understand that the program is truly about developing lifelong cultural exchanges with others."

By Mary Lou Peter



Courtesy of Zed Rengel

Fulbright Senior Scholar Zed Rengel shows plant roots from his research in Australia. While at K-State, he studied wheat roots.

FULBRIGHT

AUSTRALIAN-AMERICAN FULBRIGHT COMMISSION

In 2015, Kansas State University will host the second set of Fulbright scholars from Australia.

Scott Chapman, crop physiologist at Commonwealth Scientific and Industrial Research Organization and the University of Queensland, is the 2015 Fulbright Senior Scholar. Anthony Maeder, professor of health informatics at the University of Western Sydney, is the 2015 Fulbright Distinguished Chair in Agriculture and Life Sciences.

"International scientific collaboration is a key aspect of Kansas State University becoming a Top 50 public research university by 2025," said President Kirk Schulz. "Our partnership with Australian universities provides some wonderful opportunities that help us achieve these benchmarks."

Chapman will research wheat plant growth in response to field stress conditions. He will collaborate with Feed the Future Innovation Lab directors Jesse Poland, assistant professor of plant pathology, and Vara Prasad, professor of agronomy, as well as Steve Welch, professor of agronomy, to understand how the region's rainfall affects wheat and sorghum production and how plant breeding can be used to improve adaptation to drought and heat.

"The researchers I will work with at Kansas State University will provide new connections for Australian researchers in crop science, especially in understanding which crop plants traits help them adapt to heat and drought," Chapman said.

Maeder studies methods to promote healthy lifestyles in children and adolescents through the use of mobile devices. He will work with Richard Rosenkranz, associate professor of human nutrition, to develop mobile applications that will support physical activity and nutrition programs.

Faculty Notes

Agricultural Economics

Professors **Jeffrey Peterson**, **Hikaru Hanawa Peterson**, and **David Lambert**, and Associate Professor **Tian Xia**—serve as editors of the *Journal of Agricultural and Resource Economics*.

Awards presented at the Agricultural and Applied Economics Association (AAEA) annual meeting: **Brian Briggeman**, associate professor and Arthur Capper Cooperative Center director, the Distinguished Teaching Award for Less than 10 Years' Experience; **Mykel R. Taylor**, assistant professor, the Australian Agricultural and Resource Economics Society/ AAEA Young Professional Exchange Program Heading South Award and an AAEA trust scholarship award; graduate students **Michelle Estes**, **Emily Mollohan** and **Steven Ramsey** received first place in the Graduate Student Case Study Competition with advisor **Aleksan Shanoyan**, assistant professor; and graduate student **Melissa McKendree** placed first in the Graduate Student Extension Competition with mentor **Glynn Tonsor**, associate professor.

Andrew Barkley, university distinguished teaching scholar and professor, and his father, **Paul W. Barkley** (PhD '63), professor emeritus at Washington State University and adjunct professor at Oregon State University, co-authored a new book, *Depolarizing Food and Agriculture: An Economic Approach*.

Glynn Tonsor, associate professor, was honored as Professor of the Week at the Nov. 14 men's basketball game.

Christine Wilson, assistant dean for academic programs and professor in agricultural economics, completed the Food Systems Leadership Institute's Executive Leadership Development Program.

Awards presented at the University Professional and Continuing Education Association conference: The Master of Agribusiness (MAB) program received the regional mature credit program award, which recognizes an established credit program that has demonstrated sustained innovation, cost effectiveness, diversity, quality, and exceptional measures of success through evaluations and graduate success. **Mary Emerson-Bowen**, MAB program associate, received the association's support specialist award.

Agronomy

Ganga Hettiarachchi, associate professor, was recently elected to a three-year term as chair of Commission 4.2 Soils, Food Security, and Human Health of the International Union of Soil Sciences.

Dallas Peterson, weed science specialist, is serving as president of the Weed Science Society of America.

Anita Dille, professor, was installed as president-elect of the North Central Weed Science Society.

Kevin Donnelly was honored as Professor of the Week at the Nov. 9 men's basketball game.

Animal Sciences and Industry

Melvin Hunt, professor emeritus, and **James Marsden**, distinguished professor and associate director of the National Agriculture Biosecurity Center, were inducted into the Meat Industry Hall of Fame September 14 in Charleston, South Carolina.

Randy Phebus, professor, has been appointed to the USDA-FSIS National Advisory Committee on Meat and Poultry Inspection. He also was a featured speaker at the December 2014 College of Agriculture commencement ceremony.

Communications and Agricultural Education

Shannon Washburn, professor of agricultural education, was appointed to represent the American Association for Agricultural Education on The National Council for Agricultural Education.

Entomology

Awards presented to Department of Entomology faculty and students at the International Organization for Biological Control in Portland, Oregon, Nov. 16–19: **Jim Campbell**, adjunct professor, received the Recognition

Dan Donnert

Cheryl Boyer (L-R), horticulture, forestry and recreation resources; Hikaru H. Peterson, agricultural economics; and Lauri Baker, communications and agricultural education, brainstorm ideas for the new Center for Rural Enterprise Engagement, which will help small businesses succeed through new media marketing research. This interdepartmental effort represents a collaboration of previous federal grant funding and support from the Kansas Agricultural Experiment Station and the National Institute of Food and Agriculture.

Award in Entomology; **Jim Nechols**, professor, was elected president-elect; and **Ryan Schmid** won the IOBC Nearctic Region Section's Outstanding Master's Student Award. The K-State Entomology Debate Team — **Edwin Afful**, **Aaron Cato**, **Dinesh Erram**, and **Bettina Jancke** — won its head-to-head debate against Florida A&M University, which focused on most promising tools for combating malaria in the future. Doctoral students **Michael "Jamie" Aikins** and **Barbara Amoah** earned second place for research posters in their respective groups.

Grain Science and Industry

Xiuzhi "Susan" Sun, university distinguished professor, and **Hongzhou "John" Huang** (PhD '12) were issued a U.S. patent for a novel jelly-like substance that may be used for biomedical applications, ranging from cell culture and drug delivery to repairing and replacing tissue, organs, and cartilage.

Horticulture, Forestry and Recreation Resources

Cheryl Boyer, associate professor of nursery crops, was elected chair of the American Society for Horticultural Sciences at the organization's annual conference.

Two of the nine national Innovative Teaching Award Grants from the Association of Public and Land-grant Universities were awarded to Assistant Professor **Chad Miller** and Professor **Kim Williams**.

The Prairie Star Flower blog won the Outstanding Education Materials Award from the American Society for Horticultural Science, Extension Division. **Alan Stevens**, floriculture specialist, and **Robin Dremsa**, research associate, developed the blog to aid gardeners at all experience levels. Prairie Star flowers are annual bedding plant varieties tested by K-State for two or more years in research trials at Olathe, Wichita, Hays, and Colby.

Robert Atchison, rural forestry coordinator for the Kansas Forest Service, received the 2014 Jim Sledge Current Achievement Award for forest resource management from the National Association of State Foresters.

Plant Pathology

Eduard Akhunov, associate professor, has been appointed associate editor of the journal G3: Genes|Genomes|Genetics.

Bikram Gill, university distinguished professor of plant pathology and director of the Wheat Genetics Resource Center, was featured in the October 2014 issue of *National Geographic*.

Vijay Tiwary, research associate in the Wheat Genetics Resource Center, received the International Wheat Genome Sequencing Consortium's Early Career Award at the consortium's conference.

Frank White, professor, received a 2014 Higuchi-KU Endowment Research Achievement award — the Irvin Youngberg Award for Applied Sciences — for his work in the molecular biology of bacterial diseases of plants and the genetic analysis of plant/microbe interactions.

College of Agriculture

Don Boggs, associate dean for academic programs, received the biannual Wallace Kidd Memorial Diversity Award for his commitment to students and diversity in the college.

Nina Lilja, associate dean of international agricultural programs, was elected secretary of the International Agriculture Section of the Association of Public and Land-grant Universities.

K-State Research and Extension

Candis Meerpohl, Shawnee County 4-H Youth Development agent, was named to Topeka's 2014 Top 20 Under 40 list for her positive attitude, outstanding work with 4-H members and volunteers, and innovative ideas.

Elaine Johannes, youth development extension specialist, received the 2014 Dean Barbara S. Stowe Faculty Development Award to work with the Kansas Adolescent Health State Plan.

Recognition at the Epsilon Sigma Phi national meeting: **Elizabeth Brunscheen-Cartagena**, Sedgwick County family life and resource management agent, North Central Region Diversity/Multicultural Award; and **Barbara Stone**, assistant director for 4-H Youth Development, North Central Region Visionary Leadership Award.

Charlotte Shoup Olson, extension specialist and professor of human development, received the USDA/NIFA 2014 Career Impact Award among state family life and human development specialists.

2015 Master Farmer/ Master Farm Homemaker

Couples honored at the annual Master Farmer/Master Farm Homemaker banquet on March 13:

- Dewey and Carol Adams, River Valley District, Clay County
- Lawrence and Mildred Dearden, Scott County
- William and Christina Pannbacker, Washington County
- William and Ruth Ann Pracht, Anderson County
- Alan and Beth Vogel, Ford County
- Jim (BS '65 agricultural education) and Sharon Zwonitzer, Atchison County

In Memoriam

Wilber E. Ringler, 91, Manhattan, died Dec. 22, 2014. He began his Cooperative Extension career in 1949 as a Nebraska assistant agent and assistant extension agronomist. In 1957 he became the Kansas assistant director for programs and training, then assistant director for agricultural production programs (1973–1981), and associate director (1981–1984).

Les Frazier, 95, Manhattan, died Dec. 21, 2014. He served as an agent in Reno, Lane, Edwards, Pawnee, and Rice counties. From 1962 until his retirement in 1985, he was an area and state specialist in community development.

Entomologist earns multiple honors

2014 was a big year for Professor Kun Yan Zhu. He was elected a fellow of the Entomological Society of America and named a Commerce Bank Distinguished Graduate Faculty. His research team was also issued a patent in insect RNA interference, a biological process in which RNA molecules inhibit gene expression.

His team includes Xin Zhang, research associate in the Division of Biology, and Jianzhen Zhang, visiting scientist from Shanxi University in China.

Double-stranded RNA is a synthesized molecule that can trigger RNA interference to destroy the genetic code of an insect in a gene-specific manner.

The technology is expected to have great potential for safe and effective control of insect pests, Zhu said.

As a Commerce Bank Distinguished Graduate Faculty, Zhu presented a university-wide lecture on *Developing new strategies for insect pest management in the genomics era* on October 29, and he was honored at the Graduate School Commencement on December 12.

Dan Donnert (2)

Kun Yan Zhu

The award includes a $2,500 honorarium and is supported by the William T. Kemper Foundation and the Commerce Bancshares Foundation.

Zhu joined the K-State faculty in 1995. He has mentored more than 20 graduate students and served as a supervisory committee member for an additional 30.

Question launches long career

What allows some plants to survive insect feeding when others die?

C. Michael "Mike" Smith, who was named a 2014 fellow of the American Association for the Advancement of Science (AAAS), got really interested in that question about 40 years ago. And it continues to drive his teaching and research philosophy.

"What I continue to do today, and what I teach students to do is infest plants — grown from seed from around the world — with insects or mites," Smith said. "We ask questions like: Does the plant live or die? If the plant lives, do the remaining insects live?

"Next, we test the plant for chemicals that might kill the insect or physical traits that could protect the plant. Are there genes in the resistant plant that control the chemical or physical trait? Can we fingerprint the gene(s) in progeny of a cross between a resistant and a susceptible plant to produce a new insect-resistant variety?

"Finally, where insects have developed the ability to overcome the resistant plant, we find ourselves asking the same questions about what factors are in the insect that allow it to survive."

Smith shares the answers to these questions in the classroom, lab, publications — including two textbooks on plant resistance to arthropods and insects — and lectures in the United States and abroad.

Smith was named a fellow of the Entomological Society of America (ESA) in 2006, and Kun Yan Zhu was named a fellow of the AAAS in 2012. They have the rare honor of being fellows of both organizations.

Courtesy of Epsilon Sigma Phi

Jeff Myers (L-R), National Epsilon Sigma Phi president, University of Maryland; Kay and Steve Irsik; and Daryl Buchholz, associate director for K-State Research and Extension.

Irsiks receive National Friend of Extension Award

Steve Irisk Jr.'s partnership with extension started with him showing calves as a young 4-H member in Gray County. His wife Kay joined extension as an active "4-H mom."

Over the years, their involvement has grown from local to international. To acknowledge their efforts, the couple was honored with the National Friend of Extension Award at the Epsilon Sigma Phi national conference in Indianapolis, Indiana.

The Irsiks lead by example and often use the phrase "Let's do this together." They recently worked with K-State Research and Extension to bring 4-H Youth Development to underserved audiences in southwest Kansas. The bilingual, bicultural clubs have grown rapidly and attracted national attention, becoming a role model for other areas of Kansas and beyond.

As a Council for Agricultural Research, Extension, and Teaching representative and a member of the Association of Public and Land-grant Universities national council, Steve effectively advocates for budget priorities.

When meeting with state and national legislators, he shares personal examples of the important role K-State Research and Extension plays in his farming, ranching, dairy, feedlot, milling, and other agribusiness operations.

Steve (BS '69 agricultural economics) is active in various university, college, and department organizations, and the Kansas 4-H Foundation.

He participated in the Kansas Agriculture and Rural Leadership program, and the Irsiks are now involved in advocating and raising funds for the program.

Promoting sustainable practices in their various businesses has earned them the Agroforestry Award from the Kansas Forest Service. Steve also was named a College of Agriculture Alumni Fellow and Distinguished Alumnus for the Department of Agricultural Economics.

1938 graduate given honorary doctorate

Wayne Freeman, one of the leaders of the Green Revolution, received an honorary doctorate and spoke during the fall 2014 Graduate School commencement.

Freeman (BS '38 agronomy) earned master's and doctoral degrees from the University of Illinois and started his career as a corn breeder with the Mississippi Agricultural Experiment Station and the U.S. Department of Agriculture Research Center in Tifton, Georgia. There he helped develop Dixie 18, the first public yellow corn hybrid adapted to the lower southern Corn Belt.

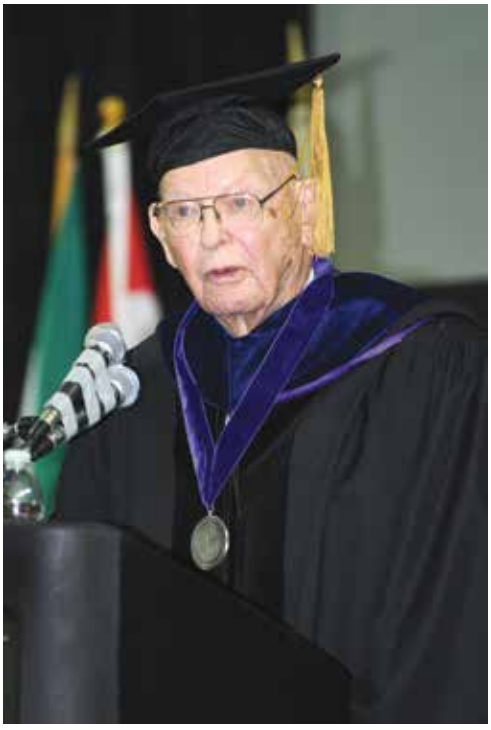
In 1961, Freeman moved to India as a seed specialist for the Rockefeller Foundation. Five years later, he was promoted to joint coordinator of the All India Coordinated Rice Improvement Project that introduced high-yield plant varieties to farmers and increased India's rice production exponentially.

He also helped create a variety evaluation and seed distribution system suitable for developing countries. It has been used since the 1970s as a model for nearly all international crop germplasm exchange programs. Before returning to the United States, Freeman and his wife moved to Nepal, where he led research on rice, wheat, corn, and cropping systems.

Freeman is a board member of the Barwale Foundation and has served as a consultant and member of the board of directors for the Mahyco Foundation, a nonprofit organization that does research to improve seed productivity in India.

In 2010, Freeman published a book, in collaboration with the Barwale Foundation, called *Seeds of Changes: Growth of the Indian Seed Industry, 1961 and Beyond*.

K-State honored Freeman with the Distinguished Service Award for Agriculture in 1975 and the Alumni Medallion Award in 2004.



Dan Donnert

Class Notes

'70s

Rich Felts (BS '70 animal science), Liberty, was elected president of Kansas Farm Bureau at the organization's annual meeting in December 2014.

Gene Skoch (BS '75 feed science and management, MS '76, PhD '79 grain science) spoke to the Management Applications in Grain Processing class taught by Cassie Jones.

'80s

David (BS '80 agricultural mechanization,'03 master of agribusiness) and Lisa Rock, Olathe, have established the David and Lisa Rock Agriculture Scholarship for undergraduate students in the College of Agriculture.

Dennis Fike (BS '84 agricultural economics) accepted a new position at Farm Credit of New Mexico as the vice president/chief service officer.

'90s

Travis Hirst (BS '92 agronomy), Dow Agrosciences; **John Niemann** (BS '93 agribusiness) Cargill; **Jason Ellis** (BS '98 agricultural journalism/animal science), associate professor of agricultural communications and journalism; and **Allen Featherstone**, agricultural economics department head, presented a panel discussion on Feeding a Hungry Planet. The March 6 Spring Ag Symposium was supported by Alpha Gamma Rho Fraternity.

Stephanie Einspahr (BS '99 animal science) joined K-State Research and Extension – Hamilton County, as the county extension director. She previously worked for the USDA Farm Service Agency and as an agent in Kearny and Wichita counties.

'00s

Michael Springer (BS '00 agricultural economics), hog and crops producer from southeast Kansas, spoke at one of the general sessions at the 19th annual Risk and Profit Conference, August 21–22 at the K-State Alumni Center.

Shawn (BS '00 animal science) and **Shane Tiffany** (BS '01 animal science) were featured in a two-part *Now That's Rural* article about their joint venture in the Tiffany Cattle Company. Shane also is mayor of Alta Vista and spearheaded opening the Alta Vista Market.

Jeanne (Falk) Jones (BS '02, MS '04 agronomy), northwest area multicounty crops and soils specialist, earned first place in the YF&R Discussion Meet at the Kansas Farm Bureau Young Farmers & Ranchers Leaders Conference.

Emily (O'Connor) Kelley (BS '03 agricultural communications and journalism) is a congressional district representative for Congressman Beto O'Rourke in El Paso, Texas.

Jodi Mason (BS '04 agricultural education) is the new executive director of the Kansas FFA Foundation. She has been involved with Kansas FFA for 21 years, serving as an agricultural educator, past state FFA officer, and active alumnus since joining the Chapman FFA in high school. As a youth, she attended the Washington Leadership Conference, two National Career Development Events and was awarded an American FFA Degree.

Karaline Mayer (BS '05, animal science) Wabaunsee County agricultural and natural resources/4-H agent, and her husband, **Mitch** (BS '04 animal science), announced the birth of their son, Kade Leigh Mayer.

Jennifer (Toews) Conner (BS '09 agricultural education) and Galen Conner announced the birth of Brantley John on Sept. 6, 2014. He has two sisters, Alyson and Abigail.

'10s

Dalton Henry (BS '10 agricultural communications and journalism) joined U.S. Wheat Associates as director of policy. He previously was director of government affairs for Kansas Wheat.

Douglas Shane (BS '11 animal science), fourth-year veterinary medicine student, is among 15 students across the nation to receive an American Association of Bovine Practitioners Foundation-Zoetis Veterinary Student Scholarship to support careers in large-animal veterinary medicine.

Katelyn Brockus (BS '12 animal science) joined K-State Research and Extension – River Valley District,

Dan Donnert

Jake Worcester (BS '01 agricultural economics) became president/CEO of the Kansas 4-H Foundation Board of Trustees in early March. He previously served as an assistant secretary for the Kansas Department of Agriculture, director of development for leadership studies with the K-State Foundation, and executive director for the Kansas FFA Foundation.

as a livestock production agent. She previously worked for Mississippi State University in Starkville, where she earned her master's degree in animal and dairy sciences.

Ryan Schaub (BS '13 animal science) joined K-State Research and Extension – Greenwood County as an agriculture and natural resources agent. He previously worked for Thermo Fisher Scientific – Remel in Garnett.

Jacob Hagenmaier (BS '14 preveterinary medicine), current K-State veterinary medicine student, was one of 15 students across the nation who received a $5,000 scholarship from Merck Animal Health.

Professor Fadi Aramouni and **Kathryn Deschenes** (BS '11, MS '12 food science) co-authored *Methods for Developing New Food Products*, which was published in August 2014. The 360-page textbook explains the basics of food technology and new product development, from formulations to marketing and commercialization. It is being used this semester in the Research and Development of Food Products course.

In Memoriam

Hanserd House (BS '50 animal science, MS '54 agronomy), 92, Olathe, died Sept. 5, 2014. He served in the U.S. Navy during WWII. House coached youth baseball and softball teams. He retired from the FHA (Federal Housing Administration).

Fred B. Hadle (BS '51, MS '58 horticulture), 96, Manhattan, died Dec. 5, 2013. He was an assistant professor of horticulture at K-State and superintendent at the Ashland Bottoms horticultural farm from 1951 until his retirement in 1984.

Henry Gardiner (BS '53 animal science), 83, Ashland, died Jan. 21, 2015. After graduation, he returned to the family farm where he adopted emerging technologies such as artificial insemination and embryo transfer. His family created a lecture series in his honor. Robert Fraley was the first speaker in the series on Jan. 26, 2015.

John Smithhisler (BS '54 natural resources management), 87, Manhattan, died Feb. 2, 2015. He was a USDA district conservationist and a resource and soil conservationist in Kansas, Hawaii, and Illinois.

Curtis E. Lohrding (BS '54, MS '59 animal science), 81, Bella Vista, Arkansas, died Aug. 30, 2014. He served in the U.S. Air Force from 1954–57 as a jet pilot. He worked as county executive director for USDA-ASCS offices in Comanche (1961–1971) and Barton counties until his retirement in 1990.

Delbert Larson (BS '55, MS '56 agronomy), 84, Hiawatha, died Sept. 24, 2014. He was a family physician for more than 30 years. He served as a flight surgeon in the Air Force Reserves and volunteered in Turkey and Haiti with Heart to Heart International.

Billy Lee Wood (BS '55 agricultural education, MS '69 adult and occupational education) 82, Garnett, died Oct. 23, 2014. He served as the county agricultural extension agent in Jewell County (1974–1997).

Leland Elliott (BS '58, MS '64 agricultural economics), 82, Manhattan, died Jan. 10, 2015. He served as an agricultural agent in Jackson and Washington counties before becoming a real estate broker. He then worked for the Farmers Home Administration in Lawrence, Washington, Iola, Chanute, and Salina until his retirement in 1994.

Merlyn Brusven (PhD '66 entomology), 77, Genesee, Idaho, died Aug. 6, 2014. He taught two years at Friends University in Wichita before attending K-State. He was a professor of entomology at the University of Idaho from 1965 until his retirement in 1998.

Douglas Laue (BS '74 animal science), 63, Council Grove, died Feb. 15, 2015. He was a U.S. Premium Beef board member and owner of Black Diamond Custom Feeders near Herington.

Timothy Jones (MS '93 animal science), 49, Rolla, died Sept. 13, 2014. He was an agriculture and natural resources agent in Wallace County (1996–2000) and Morton County (2000–2014.)

Dan Donnert (3)

Distinguished Alumni Make a Difference

College of Agriculture graduates are making a difference around the globe. Three departments recently honored distinguished alumni. Each recipient spent time on campus sharing varied experiences with faculty and students.

The Department of Agricultural Economics recognized Jorge Gattini, Paraguay's Minister of Agriculture. The Department of Entomology chose Mustapha El-Bouhssini, principal entomologist in the Biodiversity and Integrated Gene Management Program at the International Center for Agricultural Research in the Dry Areas (ICARDA). The Department of Animal Sciences and Industry acknowledged Bob Thaler, extension swine specialist at South Dakota State University.

After completing a master's degree in agricultural economics in 1998, Jorge Gattini returned to his home country of Paraguay to work as a financial consultant in the government. Gattini was appointed Minister of Agriculture in August 2013.

"I met the President of Paraguay two days before he appointed me, but he says he chose the best that he can get," said Gattini. "I think K-State gave me the skills that helped develop my professional career."

Gattini first came to Kansas as a teenager through the 4-H program's partnership between Paraguay and Kansas State University.

Mustapha El-Bouhssini (MS '86, PhD '92), Aleppo, Syria, is a global authority on plant resistance to insects in grains and has worked to develop crop varieties resistant to several important arthropod pests.

He recently received the Distinguished Scientist Award from the International Branch of the Entomological Society of America for significant contributions to entomological research.

El-Bouhssini serves as an adjunct faculty member in the Department of Entomology. This position has helped initiate collaborative projects between K-State and ICARDA on Hessian fly genetics and resistance in barley to Russian wheat aphid.

Throughout his career, Bob Thaler has provided practical solutions for swine producers, while mentoring South Dakota State University students.

Thaler has served as the assistant experiment station director, director and agriculture and natural resources program leader for extension, SDSU's animal and range sciences department head, and held leadership roles in several national livestock organizations. He also has been active in Sow Bridge and Pork Bridge outreach online educational initiatives.

Thaler has consulted extensively in China and taken SDSU students to China to learn about the country's swine and agricultural industries.

Ag Alumni Class Notes

Submit your notes to *www.ksu.edu/agreport* or fill out this form and return it to:
Gloria Holcombe
Department of Communications and Agricultural Education
208 Umberger Hall
Manhattan, KS 66506–3402
or email to: gloria@ksu.edu

Name_____

Spouse's Name_____

City_____ State_____ ZIP_____

Home Phone_____ Email_____

Graduation Date(s)_____ Degree(s)_____

Employer_____

Title_____

Feel free to attach more information.

From Northwest Kansas to Eastern Africa

Young alumnus honored for work to end global poverty

Dan Donnert

Corey Fortin traveled 34 hours from Uganda to Kansas to be recognized as one of two 2015 Kansas State University Distinguished Young Alumni.

Fortin, a native of Oberlin, Kansas, is a commissioned member of the United States Foreign Service with the U.S. Agency for International Development in Uganda. USAID is the leading U.S. government agency that works to end extreme global poverty and enable resilient democratic societies to realize their potential.

Like many K-State students, Fortin's major and career goals evolved. Studying at the Czech University of Life Sciences Prague solidified that he wanted to work internationally and better understand the challenges faced by other cultures.

He graduated in 2006 with dual degrees in agribusiness with an international option and animal sciences and industry.

In 2008, Fortin completed a master's degree in agricultural economics at the University of Arkansas and started searching for his dream job.

His first year with USAID was spent in Washington, D.C., learning about the organization and its goals plus language training. Next, he went to Nairobi, Kenya, for two years to work with the Kenyan staff before assuming his current position in Uganda.

As a Distinguished Young Alumnus, Fortin spoke to several College of Agriculture classes about his time at K-State and his passion for helping people in other countries.

"Uganda has 36 million people, and 80 percent depend on agriculture for their livelihood," Fortin told students in Hikaru Peterson's Price Analysis and Forecasting class. "With only 10 percent using improved seed, there is tremendous potential for increased yields."

Fortin stated that 60 percent of the Ugandan population is under 19 years of age.

"I enjoy working with the youth, especially those interested in agriculture," Fortin said.

As a distinguished young alumnus, Fortin gave a university-wide presentation in the K-State Student Union. He also found time to meet with the Ag Ambassadors for breakfast on February 24.

"I was impressed with the turnout, since it was the morning after the K-State men's basketball team beat KU," Fortin said.

Uganda has 36 million people, and 80 percent depend on agriculture for their livelihood. With only 10 percent using improved seed, there is tremendous potential for increased yields.

Fortin attributed Ag Ambassadors — and his mentor Jackie McClaskey, then assistant dean for academic programs — with helping him learn to set achievable personal, professional, and core goals when he was a student.

He noted many changes in the campus and Manhattan since his last visit in 2008.

Fortin said he was pleased to hear about the USAID Feed the Future innovation labs being established at K-State and hoped they would increase the visibility of the important work that USAID does.

This was the third consecutive year a College of Agriculture alumnus was recognized as a K-State Distinguished Young Alumnus. Justine Sterling (BS '07 agricultural communications and journalism) was the inaugural recipient in 2013, followed by Matt Wolters (BS '02 agricultural economics) in 2014.

by Gloria Holcombe and Cassie Wandersee

Donations and Scholarships

Division of Communications and Marketing

Students in the Bakery Science Club get hands-on experience in baking bread and other baked goods every week throughout the school year. They also host weekly bake sales, a large holiday bake sale, and a sale during K-State's Open House.

The ingredients and machinery used to make these products are quite costly. Fortunately, through the generosity of many donors, a large majority of the costs in producing these products has been donated as gifts in kind to the university.

For several years, K-State has had an ongoing relationship with Oshikiri Manufacturing — a Japanese company specializing in large-scale bakery equipment and products. In 1980, the Oshikiri family donated nearly $100,000 worth of equipment to K-State's Department of Grain Science and Industry — but it didn't stop there.

Mr. Oshikiri's son, Reona Oshikiri, completed a master's degree in grain science in 2013. Recently, the Oshikiris donated a new large-scale horizontal mixer, a dough molder, and a three-deck steam-injected oven to the department. They also sent special employees to install all of the machinery, saving the university hundreds of thousands of dollars.

"Having the opportunity to work with equipment that we will see out in the industry is great, because our students are then better prepared for their future careers," said Emily Jackson, senior in bakery science and management. "The Oshikiris have provided bakery science students with an amazing learning opportunity, and I am beyond thankful that they believe in the future potential of our students enough to donate their time, money, and resources to our program."

"It all comes back to the education students receive outside of the classroom," said David Krishock, Bakers National Educational Foundation Professor and advisor to the Bakery Science Club. "Through the generosity of people like the Oshikiri family, we can provide those experiences for them."

The dough moulder, shown above, degasses dough by running it through two rollers to create the final shape to fit the pan. In industry, moulders are much larger. The moulder was manufactured, donated, and installed specifically for K-State by Oshikiri Manufacturing

By April Lewis

The CHS Foundation, St. Paul, Minnesota, has made a gift of $250,000 to the Center for Risk Management Education and Research. The center engages students and industry partners in innovative education and research, advancing their risk management skills and knowledge.

The center is a joint effort of faculty and students from K-State's colleges of Agriculture, Arts and Sciences, Business Administration, and Engineering. Additional partners from across campus also participate in the center. Ted Schroeder, professor of agricultural economics, serves as the center director.

Alumni Gary and Marvin Clark have established the Clark Family Air Force ROTC Scholarship in honor of their father, Charles Eldon Clark (BS '45 agricultural economics), who was one of the first students to graduate from K-State under the G.I. Bill.

The scholarship will be awarded to an undergraduate majoring in any curriculum and participating in the Air Force ROTC program at K-State.

The Schrader family, formerly of Oskaloosa, recently established the Schrader Family Scholarship Fund. Those contributing to the scholarship include Deb Lamphier and Clara, Dave, and Dan Schrader. Clara's late husband was Joseph Schrader (BS '48 agronomy).

"Our family is interested in attracting high school seniors who wish to attend a university that shares their interests in agriculture, academic achievement and also recognizes their community service through a variety of local organizations like 4-H, Future Farmers of America, Boy Scouts, or Girl Scouts," Lamphier said. "We want to supplement the financial resources available to high school seniors in Jefferson County, Kansas, who wish to pursue an education at a fine agricultural institution like Kansas State University."

Wild for Ag Weekend

May 1–2, 2015

☐ **Yes, I will attend Wild for Ag Weekend in Manhattan**

☐ **No, I will not be able to attend, but I'd like to contribute $100 or $_____ to support the mission of the College of Agriculture**

Name _____

Address _____

City _____ State _____ ZIP _____

Email _____

Name for name tag:
First _____ Last _____

List additional attendees: Names for name tags:

_____ _____

_____ _____

_____ _____

Friday, May 1

☐ Ag Alumni Scholarship Golf Tournament, $125 per person

List team members: _____

_____

_____

Number members _____ x $125 = $_____

Extra meal tickets _____ x $25 = $_____

Method of payment

☐ Enclosed is a check made payable to the K-State Foundation

Complete this reservation form and mail it, along with your payment, to:
College of Agriculture Alumni Association
Kansas State University
117 Waters Hall, Manhattan, KS 66506-4015
or contact Sandy Klein, 785-532-5121 or *sandy@ksu.edu*.
Golf reservations are due April 24, 2015.

KANSAS STATE UNIVERSITY | College of Agriculture
Waters Hall, Manhattan, Kansas 66506–4015

Wild for Ag Weekend
May 1–2, 2015

Ag Alumni Scholarship Golf Tournament, Friday, May 1, Manhattan Country Club

Four Person Scramble — $125 Individual Entry Fee

Registration fee includes: cart, range balls, practice facility, golf, ag alumni merchandise, door prize entry, drink tickets, and dinner following the tournament

Registration — 11:30 a.m.–12:45 p.m. **Shotgun Start** — 1 p.m.

Awards Reception, Saturday, May 2

2015 Award winners

4 p.m. — K-State Alumni Center

Distinguished Alumnus: **John Niemann, BS '93 agribusiness**

Outstanding Young Alumnus: **David Holliday, BS '88, MS '89 agricultural education**

David J. Mugler Outstanding Teaching Award: **Bryan Schurle, Department of Agricultural Economics**

New Graduate and Alumni Dinner

6–8 p.m. — K-State Alumni Center Cost: $25

Recognition of fall and spring graduating seniors

For additional information, contact Sandy Klein at 785-532-5121 or sandy@ksu.edu

Mark your calendars for the Southwest Kansas Ag Alumni Scholarship Tournament Oct. 2nd at the Golf Club at Southwind in Garden City.