

AgReport

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Plant Pathology

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AgReport

Fall 2013

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

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From the Dean and Director



Dean and Director John Floros shares highlights of the College of Agriculture/K-State Research and Extension strategic plan before presenting it to President Kirk Schulz and Provost April Mason.

My first year here in Kansas has been a busy one. I've traveled around the state, the country, and overseas to visit with alumni, friends, and stakeholders. K-State purple seems to be well received wherever I go.

Working on the strategic plan provided a comprehensive overview of the College of Agriculture and K-State Research and Extension. I appreciate the hard work of the various committees and those who offered suggestions in person and on the website. Focusing on well-defined objectives will help direct us to our goals to be one of the top 5 colleges of agriculture and one of the best extension systems in the country.

We have experienced some funding cuts, both on the state and federal level, but I remain positive. I consider the budget cuts as bumps on the way to excellence. We are conducting world-class research to resolve major issues affecting Kansas, and we will continue to do so. Our faculty members are consistently recognized by the university and by state, national, and international organizations for their leadership and excellence in the classroom. We are providing quality, hands-on education for our students, and our graduates are heavily recruited.

The U.S. National Research Council ranked K-State's plant pathology doctoral program as No. 1 in the nation. Other rankings in the study include:

agricultural economics No. 4, animal science No. 5, entomology No. 8, and food science No. 9. See page 15 for more details. Congratulations to our talented faculty and staff.

This year marked the 150th anniversary of Kansas State University. Historical events during the nine-month celebration reinforced the importance of the College of Agriculture and K-State Research and Extension to the university's land-grant mission of teaching, research, and extension.

The Kansas Board of Regents established Farmers' Institutes on campus in 1874 to put research-based information in the hands of the people. Today, K-State Research and Extension faculty such as swine nutritionist Mike Tokach, the college's newest university distinguished professor, are still finding innovative ways to work with clients.

I hope to see many of you at the September 13 Wildcat March reception, where our Aggie Cat statue will be auctioned to benefit scholarships, and at the alumni tailgate party on November 2. Go Cats!

John D. Floros
Dean and Director

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Read archived issues of AgReport, find links to the latest news, share your comments, and update your ag alumni information.



www.ksre.ksu.edu/agreport

News Briefs

Understanding the Affordable Care Act

Roberta Riportella, the Kansas Health Foundation professor of community health in the College of Human Ecology, is heading up an effort to help Kansans learn more about how the Affordable Care Act (ACA) — sometimes referred to as “Obamacare” — will affect them once the law goes into effect on Jan. 1, 2014.

In Kansas, it stands to most directly impact more than 365,000 who are currently without health insurance, many of whom now will be required to purchase insurance from private providers authorized through a marketplace exchange.

Kansans will begin making those choices when open enrollment begins October 1.

“Kansas citizens who are uninsured will have a product to buy, they’ll have a marketplace to go to,” Riportella said, “and they’ll have people to help them enroll.”

“K-State Research and Extension is helping the people of Kansas understand the provisions and choices of the Affordable Care Act,” said Daryl Buchholz, associate director for extension and applied research.

“We feel it is important for Kansans to understand how their personal decisions relating to ACA potentially may affect their lives, their businesses, and their communities.”

Read more online at

www.ksre.ksu.edu/news/story/Obama_care062413.aspx.



Courtesy of Marsha K. Landis

High-Tech Crop Management

K-State researchers are leading the nation in using small Unmanned Aircraft Systems (sUAS) in agriculture, a new technology gaining considerable interest among producers, crop consultants, plant breeders, and researchers.

As another means of conducting remote sensing, agronomists recently demonstrated potential applications for crop scouting, estimating crop yields, crop variety selection, drought and heat stress research, greenhouse gas measurements, and nutrient management and recommendations.

For more information, contact Kevin Price, professor of agronomy, kpprice@ksu.edu.



Photo courtesy of Ward Upham

Ribbon Cutting at Horticulture Center

On April 29, K-State Research and Extension celebrated the opening of its new building at the John C. Pair Horticulture Center near Haysville. The 3,000-square-foot metal building includes reception and classroom space as well as offices. A 1,300-square-foot covered patio accommodates outdoor events.

“This new building has been much anticipated and long overdue,” said J. Ernest “Ernie” Minton, associate director for research and technology transfer. “It will significantly improve our ability to fulfill both research and extension missions at the Pair center.”

The center is named for former director John C. Pair.

From left, Jason Griffin, director of the John C. Pair Horticulture Center; Ernie Minton, associate director for research and technology transfer; and John Floros, dean of the College of Agriculture and director of K-State Research and Extension; officially dedicate the new horticulture facility near Haysville.

Strategic Plan Completed

The year-long effort to formulate the College of Agriculture/K-State Research and Extension 2025 plan has come to an end. Departments and units are now beginning their part of the planning process.

The goal is to be in the Top 5 nationally by 2025 through four strategic focus areas: (1) Empower students and citizens to lead; (2) Develop integrated solutions for problems in dryland plant, animal, and food systems; (3) Enhance the quality of life for people, communities, and the environment; and (4) Develop the physical and human infrastructure needed for a Top 5 role. The plan will evolve in response to scientific, economic, and cultural changes to ensure that it remains a good guide for the efforts and activities of faculty, staff, and students.



Photo courtesy of New Generation Feeds

Animal Candy Awarded Patent

Animal scientist Jim Drouillard has been granted a U.S. patent for a supplement block that improves absorption of specific omega-3 fatty acids in livestock.

“It’s a free-choice type of supplement in a block form — sort of like a big, 250-pound piece of candy for livestock,” Drouillard said. “The product’s physical characteristics restrict the animals to consuming less than a pound each day, making it a convenient and cost effective way to deliver nutrients.”

New Generation Feeds has retained exclusive rights to the patented technology.

O.H. Kruse Feed Technology Center Nears Completion

The O.H. Kruse Feed Technology Innovation Center rises along the Manhattan horizon. As a joint project between the departments of Grain Science and Industry and Animal Sciences and Industry, the \$13.5 million structure will replace the pilot mill in Shellenberger Hall and the feed mill on the corner of Kimball and Denison avenues.

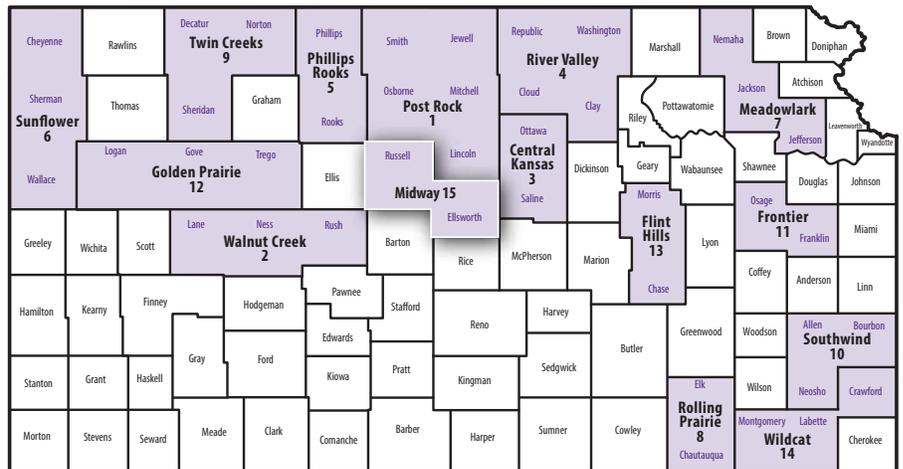
The facility also houses the Cargill Center for Feed Safety Research, which will be used to study food and feed safety issues.

Charles Stark (BS '88 animal science; MS '90, PhD '94 grain science) will serve as the Jim and Carol Brown associate professor in feed technology and manufacturing and faculty coordinator of the new center. Stark assumed his responsibilities at K-State in teaching, research, and outreach. Stark says he is especially looking forward to working with students.

The center will be dedicated at 3 p.m. Friday, October 11, 2013.



Ellsworth and Russell Counties Form New District July 1, 2013



Ellsworth and Russell counties have joined to form the Midway Extension District #15, effective July 1, 2013. Since 1991, Kansas counties have had the opportunity to create extension district partnerships that provide better public access to agents with specialized expertise, better support for local offices, and often better use of human and financial resources. Statewide, there are now 42 counties that have formed 15 districts.

To learn about districts, go to www.ksre.ksu.edu/districts.

Students experience real-world situations in the classroom

Bridging the Gap

Students in Aleksan Shanoyan's agribusiness management strategies class conducted strategic analysis and presented their findings directly to company representatives, gaining real-world experience and making industry contacts.

Shanoyan, assistant professor in the Department of Agricultural Economics, collaborated with Brian Briggeman (BS '00 agribusiness) associate professor and director of the Arthur Capper Cooperative Center, to teach a portion of the spring semester class.

"We divided the 35 students into teams," Shanoyan said. "Two of the groups worked directly with a Kansas agribusiness, and other teams used ConAgra, Bunge, Starbucks, or Monsanto case studies to develop strategic analyses and plans."

Briggeman recruited Team Marketing Alliance (TMA) to work with the class. TMA is an LLC wholly owned by four central Kansas cooperatives in Halstead, Hillsboro, Moundridge, and Nickerson that own 48 country elevator facilities.

"Educating the leaders of tomorrow about the structure and vision of the cooperative system is of the utmost importance to Team Marketing Alliance, LLC," said Devin Schierling (BS '03 agricultural education), TMA's grain marketing manager. "Brian and his staff are vitally important to leading and organizing the cooperative message."

Early in the spring semester, TMA management met with students to introduce the company, its current issues, and goals for the future. The two teams then prepared a strategic analysis and strategic plan and presented it to TMA representatives and the full class.

Schierling and Danny Flynn, TMA crop insurance specialist, attended the class presentations on May 7 and provided instant feedback for the students.



Bob Holcombe

"The combination of hands-on industry experience and the innovation of the classroom created an invaluable experience for TMA as well as myself," said Schierling. "In a short amount of time the students were able to capture the major strategic issues affecting TMA and provide valuable insight on a course of action to lead us into the future."

The teams who worked with TMA shared what they learned from the assignment.

"The project was a valuable learning experience largely because TMA leaders were willing to answer our questions and provide meaningful feedback throughout the process," said Alisa Wendelburg, senior in agribusiness from Stafford. "We were able to draw from their experience in the grain marketing



A team of agricultural economics students presented their analysis of Team Marketing Alliance to fellow students and (L-R, seated at table) Aleksan Shanoyan, Devin Schierling and Danny Flynn, both of TMA, and Brian Briggeman.

industry to perform an accurate strategic analysis and create a realistic strategic plan.”

“K-State offers great opportunities for students to collaborate with agribusinesses for networking purposes and projects,” said Cassie Kniebel, senior in animal sciences and industry from White City. “We appreciated Team Marketing Alliance working with us on the live case-study project and bridging the gap between students and professionals in the industry.”

“The experience was beneficial in many ways and challenged us to find the correct information, ask questions, and determine potentially useful results for TMA. Our team took away valuable knowledge for future projects and enjoyed networking with the representatives from the company.”

After the presentations, the students prepared 10-page reports using their plans and TMA feedback. Shanoyan and Briggeman, who both joined the faculty in 2011, will develop a case study based on final reports and submit it to a peer-reviewed journal with the students listed as co-authors. They also presented the case study at a national conference.

“TMA provided the perfect partner for our students,” Briggeman said. “The project exemplifies how the university land-grant system of teaching, research, and extension benefits Kansas agriculture.”

Assistant Professor Keith Harris joined the department in August 2012 and teaches the class in the fall semester.

He points out that in addition to the group project, each student is assigned to interview a food and agribusiness

leader in a field similar to the student’s career interests.

“Afterward, we spend time discussing their interviews regarding strategy and career insight,” said Harris. “Students are urged to use strategy not only to analyze firm competitiveness, but to analyze their own careers.”

“This course offers an added opportunity for students to develop some valuable interpersonal skills, while working collaboratively in ‘gray areas’ of decision-making.

“The case studies present real-life issues faced by firms and the one-on-one discussions provide an opportunity for students to hear firsthand business issues and dilemmas.”

Arthur Capper Cooperative Center <http://acc.k-state.edu>; Team Marketing Alliance www.tmagrain.com.



K-State plant pathologists from left, Barbara Valent, Xiaoyan Tang, James Stack, and William Bockus work in a Biosecurity Research Institute laboratory.

Expertise Draws Grant Funding

Protecting wheat and rice from devastating crop diseases and determining how climate variability will affect beef cattle operations on grazing lands are critical issues affecting U.S. agriculture. Because Kansas State University scientists have extensive expertise in these areas, they have been chosen to participate in two multistate partnerships funded by the U.S. Department of Agriculture.

Barbara Valent, a K-State university distinguished professor of plant pathology, leads an international team of researchers who received a \$5.5 million USDA grant to develop novel disease control strategies for two closely related diseases in rice and wheat.

Blast disease, caused by the fungus *Magnaporthe oryzae*, is a major constraint to global rice production and is an emerging and very serious threat to U.S. wheat, said Valent.

“Our goal is to leverage knowledge gained from previous research on rice blast as part of an integrated approach to improve U.S. rice production and protect the nation’s wheat crop,” Valent said.

Wheat blast was first discovered in Brazil in 1985 and has since been found in Bolivia, Paraguay, and Argentina. Three years ago it cut production in Brazilian wheat states by up to 60 percent in some areas. Rice blast caused significant crop

losses in fields in Louisiana, Texas, and Arkansas in 2012, and the disease has been reported this year in Louisiana.

“Rice and wheat are the two most important crops in the world,” said James Stack, K-State professor and director of the Great Plains Diagnostic Lab. “In most countries, either wheat or rice is a staple in citizens’ diets.”

Other K-Staters involved are plant pathology professors William Bockus, Erick De Wolf, and Harold Trick, and Sunghun Park, associate professor of horticulture.

Team members and collaborators from K-State and other major U.S. universities, the USDA, South America, and Europe met in Manhattan on June 14 for a wheat blast symposium and project meeting.

Christian Cruz, a doctoral candidate in plant pathology from Ecuador, has been nominated by the Manhattan Rotary Club for a Rotary Humanitarian Study Grant to experiment

with controls for wheat blast in Bolivia and Brazil and is awaiting confirmation of the \$30,000 grant from Rotary International.

The scientists are working in K-State's Biosecurity Research Institute, a facility that provides a safe and secure location to study high-consequence pathogens.

How Climate Affects Grazing

Chuck Rice, university distinguished professor of agronomy; Peter Tomlinson, assistant professor of agronomy; and Gerad Middendorf, associate professor of sociology; are leading K-State's portion of a \$9.6 million, five-year USDA grant to increase the resiliency of beef cattle operations in the face of climate variability.

"Protecting this vital resource from the stresses of climate variability is one key to our nation's food security," said Rice.

Other campus faculty include Dan Devlin, director of the Kansas Center for Agricultural Resources and the Environment; Aavudai Anandhi Swamy, research assistant professor; Jim Shroyer, crop production specialist; Walter Fick, range specialist; Dorivar Ruiz Diaz, nutrient management specialist; and DeAnn Presley, soil management specialist, all in the Department of Agronomy.

Justin Waggoner, beef systems specialist for the Southwest Research-Extension Center, along with Doug Shoup, crops and soils specialist, and Jaymelynn Farney, beef systems specialist, both from the Southeast Area Extension Office, complete the K-State team.

"Our uniquely qualified team will answer critically important research questions and deliver extension programming," said Tomlinson. "The project will provide information and technology to enable producers to make risk-based decisions about impacts of climate variability on beef cattle grazing operations in Kansas and the Southern Great Plains."

The grant partnership is led by Oklahoma State University, and includes scientists at the University of Oklahoma, USDA/Agricultural Research Service, Noble Foundation, and Tarleton State University.

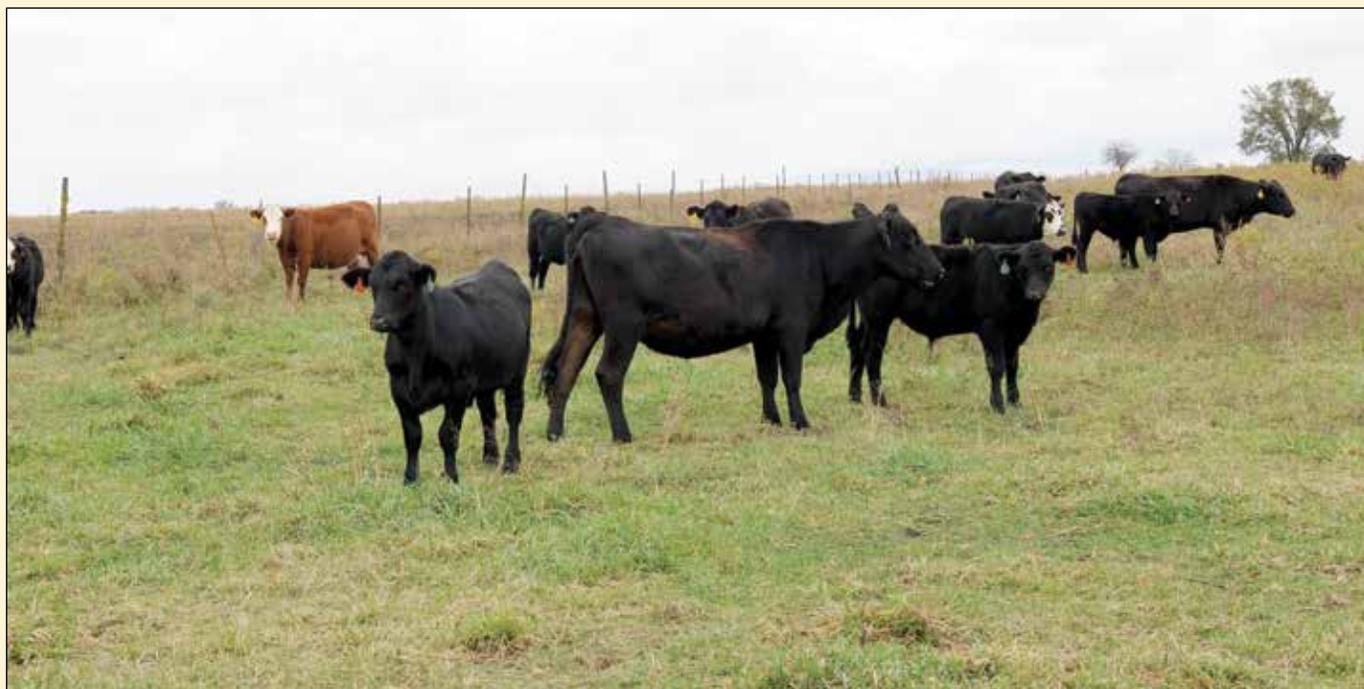
Why K-State Gets National Funding

"K-State Research and Extension successfully competed to secure national grant funding for these important topics because people before us — university and college leadership, federal and state legislatures — had the foresight to invest in wheat, sorghum, water quality and usage, and range management. Now we are able to do extraordinary work on topics important to Kansas," said John Floros, dean of the College of Agriculture and director of K-State Research and Extension.

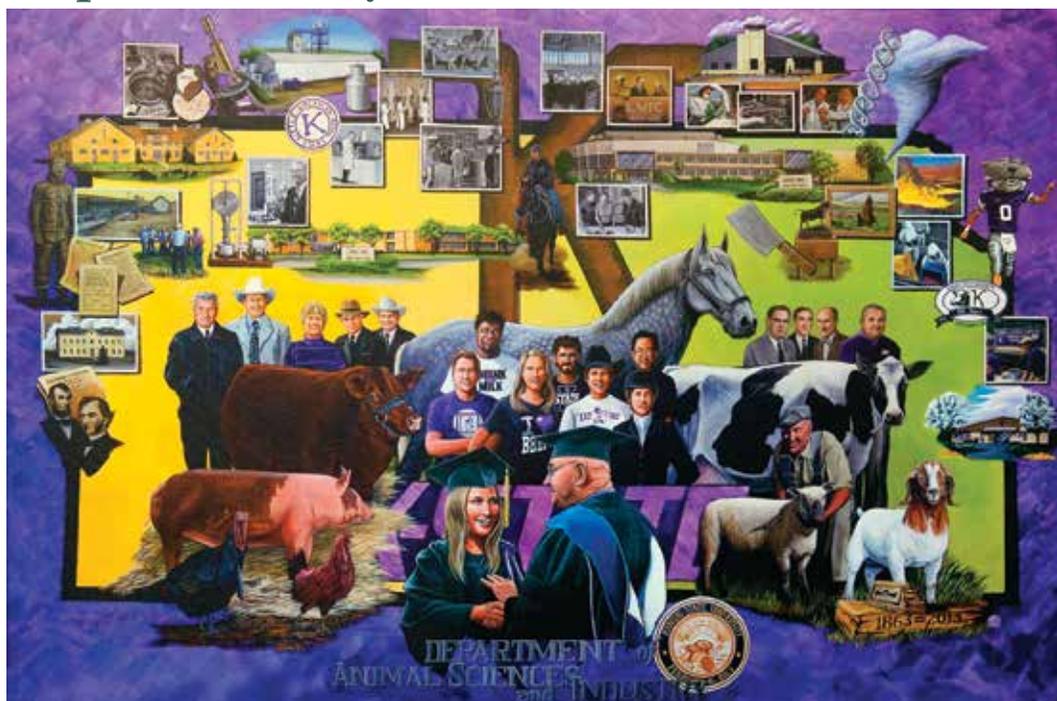
"We need to maintain our base funding — both state and federal — to hire and retain the best faculty and recruit graduate students to sustain this momentum and remain competitive."

"Studies done at K-State and nationally show that agricultural research has a strong return on investment. It generally ranges from a \$20 to \$30 return to the economy for every dollar invested in research, depending on how the data are modeled and the number of years used to calculate the payoff.

"With continued investment in research, we know we can make a difference," Floros said. "Through combined research, education, and extension efforts, we are providing short- and long-term solutions for Kansas and beyond. Our ultimate goal is to make our citizens' lives better."



Department Stays True to Land-Grant Mission



To celebrate the university's sesquicentennial, the department commissioned a historical mural for the Heritage Room in Weber Hall. Copies are available from the department.

Cattlemen, Rodeo Club, Collegiate Horsemen, and Pre-veterinary Club.

The first KSAC Livestock Judging Team competed at Chicago in 1903. Today the competition teams include livestock, meats, dairy, dairy products, poultry, and horse judging teams; Dairy Challenge; and Academic Quadrathlon. Competition teams and extracurricular clubs help build strong relationships between students and

faculty. The department has hosted an annual judging team reunion since 1968.

The Livestock and Meat Industry Council was established to help the department recover from tornado damage in 1966 and continues to support various projects.

In 1986, Kansas Statute 76-478 created an 11-member advisory council, the International Meats and Livestock Program, "to assist producers of Kansas livestock, meat products and commodities in the foreign marketing thereof, and to provide research and technical assistance to foreign buyers."

In addition to the popular Dairy Bar in Call Hall, the department has classrooms, offices, and laboratories in Weber and Call halls plus beef cattle, dairy, swine, sheep and meat goat, poultry, and equine facilities north of campus.

Department faculty also lead undergraduate and graduate programs offered through the Food Science Institute, established in 2001.

Professor Emeritus Miles McKee wrote, "Building the Legacy – A History of the Kansas State University Department of Animal Sciences and Industry," which is available from the department. See www.asi.ksu.edu.

Kansas State Agricultural College (KSAC) was established Feb. 16, 1863, as Kansas' land-grant college to focus on the teaching of practical agriculture, science, military science, and engineering.

Department names — farm, poultry science, dairy and animal husbandry — have merged, split, and changed many times over the years, but animal agriculture has been a campus staple.

The first purebred cattle, swine, and poultry breeding animals were purchased in 1873, and by 1910 KSAC was the first institution to win both grand and reserve champion market steer at the Chicago International.

Cooperative animal research began early — including a 1909 experiment with horses from Fort Riley cavalry units to test feeding value of roughages and grain — and continues today.

Faculty and graduate students present research results on timely topics at various events such as Cattlemen's Day, Dairy Day, Swine Day, and others. March 2013 marked the 100th Cattlemen's Day and the 37th legacy bull sale at the new Stanley Stout Center.

Most teaching faculty also have research or extension appointments.

Many are actively involved in the livestock industry, judge at various livestock shows and fairs around the country, and conduct training on animal care and industry leadership.

"Industry was added to the department title in the 1960s and acknowledges the long history of engagement with and commitment to

Department names have merged, split, and changed many times over the years, but animal agriculture has been a campus staple.

the animal industries," said Ken Odde, current department head. "K-State's Department of Animal Sciences and Industry is the only animal science department in the United States with 'industry' in its title."

In 1914, students founded the Saddle and Sirloin Club, now the Block and Bridle Club. Because learning occurs in the classroom, after hours, and on the road, the department also sponsors the Dairy Club, Food Science Club, Collegiate Cattlemen, Collegiate

Above and Beyond for Students and Agricultural Businesses

“Welcome to this overview of the Department of Agricultural Economics, which was established in 1912,” said David Lambert, department head. “Our undergraduate program continues to grow, reflecting the excellent training and job placement for students choosing careers in agricultural economics or agribusiness.

“Our faculty have a national reputation for the quality of their educational programs and services. None of these accomplishments would be possible without the strengths each and every one of our faculty, staff, and students brings to accomplishing our mission.”

The department has a strong record of student leadership, with 16 students having served as student body president since 1962. Undergraduate students have an impressive history of participation on marketing teams for the annual National Agri-Marketing Association meetings. Graduate student teams have placed first at recent Agribusiness Case Study competitions.

Through research and extension annual programs such as the Ag Lenders Conference, Tax Institute, and Risk and Profit Conference, faculty and staff provide farm management, outlook, and risk management educational programs to help producers, agribusiness leaders, and consumers.

Since the 1960s international work has been a mainstay of the department, with successful projects across the globe funded by the U. S. Agency for International Development, the Bill & Melinda Gates Foundation, the International Sorghum and Millet Collaborative Research Support Program, and others. USDA cooperates with K-State to manage the Ghana Monitoring, Evaluation, and Technical Support Service.

Professor Art Barnaby developed the idea that producers need to be able to protect income with crop insurance. Eventually, USDA's Risk Management Agency picked up the idea and made revenue protection available to producers nationwide. Professor



Professor Kevin Dhuyvetter shares management tips with farmers and ranchers.

Emeritus Barry Flinchbaugh has worked on every farm bill since 1968. Barnaby and Flinchbaugh were recently listed in *Top Publisher* magazine as Brave Thinkers: 30 Leaders Who Made a Difference.

Established in 1931, the Kansas Farm Management Association (KFMA) is now one of the largest farm management programs in the United States. K-MAR-105 was added in 1968 as the information processing unit.

The Arthur Capper Cooperative Center (ACCC) was started in 1984 by an agreement between K-State and the Kansas Cooperative Council to develop and deliver research and education for the cooperative community.

The Office of Local Government was formed in 1997 to offer educational outreach, technical assistance, applied research, and information and referral services to city and county governments, local organizations, K-State Research and Extension, and Kansas citizens.

The Master of Agribusiness (MAB) program was created in 1998 as the first distance education master-level curriculum in agribusiness. In 2001, it received the Peterson's Award for most innovative program in the nation from the University Continuing Education Association.

MAB participants can choose an agribusiness option at the Manhattan campus; a cohort for animal health professionals at K-State Olathe; or the Southeast Asia option for an increased understanding of the food and agribusiness system on a global scale.

The *AgManager.info* website averages more than 70,000 visits by more than 25,000 unique visitors each month. It's a comprehensive source of information, analysis, and decision-making tools for agricultural producers, agribusinesses, and others. In 2010, it received the Outstanding Electronic Media Education Award from the Agricultural and Applied Economics Association.

Department faculty launched Management, Analysis, and Strategic Thinking (MAST) in 2001 as an interactive learning program for agricultural producers and agribusinesses to enhance and strengthen their farm management skills.

The new Center for Risk Management Education and Research provides students and businesses with the information and tools necessary to identify, quantify, and manage risk.

For more information, visit www.ageconomics.ksu.edu.

Crops, Soil, and Natural Resources Still Relevant



Wheat breeder Allan Fritz inspects wheat being grown in a K-State greenhouse.

Agronomy Farm near campus was purchased. Most of that land is still used for research and to provide hands-on experience for students, with the close proximity to campus being extremely valuable in fulfilling the teaching, research, and extension missions of the department. Additional land with different soil characteristics also was purchased south of Manhattan.

The current student organization, the Wheat State Agronomy Club, has its roots in the Klod and Kernel Klub organized in 1916.

K-State's wheat breeding program began in 1917 and ranks among the best

in the United States. To date, 45 wheat varieties have been developed. In 2012, 23 percent of Kansas wheat was planted to K-State varieties, with Everest as the most popular. A study by agricultural economist Andrew Barkley, published in 2008, showed that "the benefits of the wheat breeding program appear to outweigh the costs by 17 to 1."

In addition to crops, grassland for the cattle industry plays a crucial role in Kansas. The range management program was initiated in 1919, and the 2,105-acre Rannells Ranch was bequeathed to the program in 1989. K-State agronomists pioneered research on burning rangeland and continue to be involved with best practices for managing smoke in the Flint Hills.

Agronomy students first competed in crops judging in Chicago in 1923, winning four of their first seven competitions. K-State crops judging teams boast 15 national championships

in the last 20 years. Students also successfully compete in soils and weeds judging.

Because precipitation, temperature, elevation, and soil vary dramatically across Kansas, crop varieties that perform well in southeast Kansas do not fare well in semi-arid western Kansas. To address that problem, research centers and experiment fields have been established across the state.

The department opened the first county soil testing lab in Cowley County in 1947. The department maintains an analytical services lab on campus for research and individual soil testing, which provides valuable information to K-State Research and Extension agents statewide.

Recent K-State crops judging teams boast 15 national championships in the last 20 years.

Department faculty have a tradition of national leadership, producing six presidents of the American Society of Agronomy and two presidents of the Soil Science Society of America.

Department Head Gary Pierzynski sees a bright future for the department and the profession as a whole.

"We are actively engaged in a significant portion of a food system that feeds the entire world," Pierzynski said. "Our graduates are in high demand. In a state like Kansas, our recommendations have profound positive impacts on how the landscape is managed, and consequently, influence the economy, the environment, wildlife habitat, and many other aspects of life that benefit every citizen in the state. Our research contributes to the technological advances that are essential to our ability to feed a growing world population."

This article includes highlights from *K-State Agronomy, A Century Remembered*, edited by Gerry Posler and Gary Paulsen. For more details, see www.agronomy.ksu.edu.

Producing crops, maintaining soil fertility, and conserving natural resources have been important to the success of Kansas since Kansas State Agricultural College was established in 1863. Agronomic research began at the college in 1874, and the first variety test results were published in the 1880s; however, the Department of Agronomy wasn't officially established until 1906.

"Agriculture is a business; it is not truly a science, but it depends on science, and to understand the principles of agriculture requires knowledge of many sciences ... including physics, botany, chemistry, geology ...," said A.M. TenEyck, the first department head.

TenEyck forged relationships across the state by developing an extension system to share research-based information generated at the college through the press and via "Farm Institutes."

In 1909, the 320-acre North

A Constant Battle: Protecting Kansas Crops from Disease

Researching how to stop wheat blast from spreading to North America and identifying a gene that gives wheat plants resistance to a stem rust pathogen known as Ug99 have put K-State plant pathologists in the news recently.

As Doug Jardine, professor and extension state leader, researched the department's history for the university's 150th birthday celebration, he found examples of how K-State plant pathology research has benefited Kansas and beyond for more than a century.

W.A. Kellerman was the first plant pathologist at Kansas State Agriculture College in 1888, the year after the Kansas Agricultural Experiment Station (KAES) was established. He and W.T. Swingle studied cereal rusts and smuts and concluded that the most reliable method of rust control would be through breeding for resistance. Following this, J.F. Roberts entered into wheat breeding, and the variety Kanred was distributed by KAES in 1917.

The Department of Botany and Plant Pathology was formed in 1919. Because of a severe cereal rust problem, the U.S. Department of Agriculture centered its national wheat leaf rust project in the department in 1932.

K.A. Stokdyk, the first full-time plant pathology extension specialist, aggressively developed crop shows and disease crop tours, as well as campaigns for promotion of chemical control of potato diseases and wheat bunt.

One of the department's early disease control successes involved using a combination of seed treatment, resistance, and effective extension programs to eliminate bunt, a significant disease of Kansas wheat.

Another early achievement was the complete elimination of milo disease, once a scourge of sorghum in the southwestern plains.

The Plant Disease Diagnostic Lab will celebrate its 50th anniversary in 2014. It was established in 1964 to serve the county extension agents and other Kansas citizens with needs for plant disease identification.

Plant pathology became a stand-



Professor Erick De Wolf, lower right, participates in a Fusarium Laboratory Workshop session in a Throckmorton Plant Sciences Center classroom.

alone department in 1967. It was originally housed in Dickens Hall, and then moved to Throckmorton Hall when it was built in 1981.

In the early 1980s, department head Jim Shephard began actively recruiting scientists with expertise in genetics and the molecular basis of plant pathogen interactions, providing basic scientific expertise to reinforce the existing expertise in applied science. Continuing this approach enables integrated research within the department to address diseases at both fundamental and applied levels, with the goal of obtaining more effective control.

The Kansas Board of Regents formally designated the Wheat Genetics Resources Center as a Center of Excellence in 1984. Currently, it has about 11,500 breeding lines of wheat and its wild relatives that are available to researchers around the world.

The department serves as the regional hub of the nine-state Great Plains Diagnostic Network, which is part of the National Plant Diagnostic Network. The networks were established after the September 2001 terrorist attacks to enhance agricultural security.

The Fusarium Laboratory Workshop teaches identification techniques for one of the most important groups of plant

and human pathogens. The workshop has been at K-State every other year since 2000, with alternate years outside the United States.

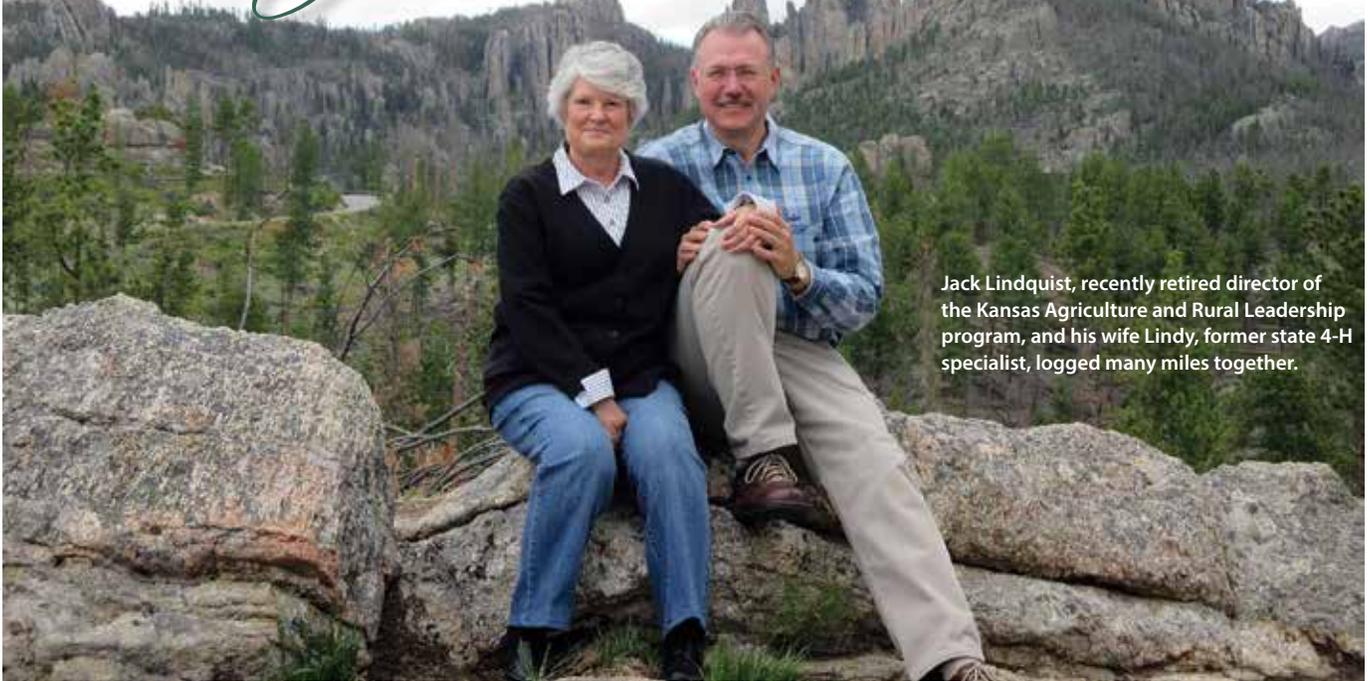
"All but two current faculty were recruited to K-State at the beginning of their careers as assistant professors. They have grown and matured in Kansas, with Kansas crops and the needs of the state directing the research questions they ask and answer," said John Leslie, department head.

"With the department's recent No. 1 national ranking, it is clearly possible to recruit the best young scientists to K-State and to retain them through competitive salaries and working conditions.

"The major challenge in the coming years is to retain the department's top national billing and to strengthen its reputation for excellence in graduate education, research, and extension. Our goal is to draw the best students and scientists in the world to Manhattan to study and learn from some of the best scientists in the world. Together they will help make Kansas agriculture even more productive and further reduce vulnerabilities to the entire gamut of plant diseases."

For more information see www.plantpath.ksu.edu.

A Job Well Done



Jack Lindquist, recently retired director of the Kansas Agriculture and Rural Leadership program, and his wife Lindy, former state 4-H specialist, logged many miles together.

Photo courtesy of Jack Lindquist

Over the last 23 years, Jack Lindquist has logged more than 600,000 miles to more than 20 countries, raised \$4.5 million, and trained 330 leaders from 99 Kansas counties.

As director of Kansas Agriculture and Rural Leadership, Inc. (KARL), Lindquist (BS '80 agricultural education) has guided 11 classes through the two-year comprehensive leadership program that includes 650 hours of training and experience in Kansas and Washington, D.C., as well as an international tour. KARL was founded by Lindquist, agricultural

economist Barry Flinchbaugh, and 12 volunteer agricultural leaders in 1989.

Before joining KARL, Lindquist served two years as a 4-H agent in Dickinson County and eight years as an agriculture agent in Douglas County, where he created a smaller-scale leadership program.

Lindquist celebrated his retirement on May 19 in Greensburg and June 23 in Manhattan with family, friends, and KARL graduates.

The success of KARL graduates speaks well for the program. They serve on every major commodity association

board, several commissions and multiple boards, committees, and councils from the local through national level, and as legislators.

Al Davis, a KARL class V graduate, who has served as assistant director for the last year, now leads the program. Lindquist will continue as director of the KARL Graduate Program.

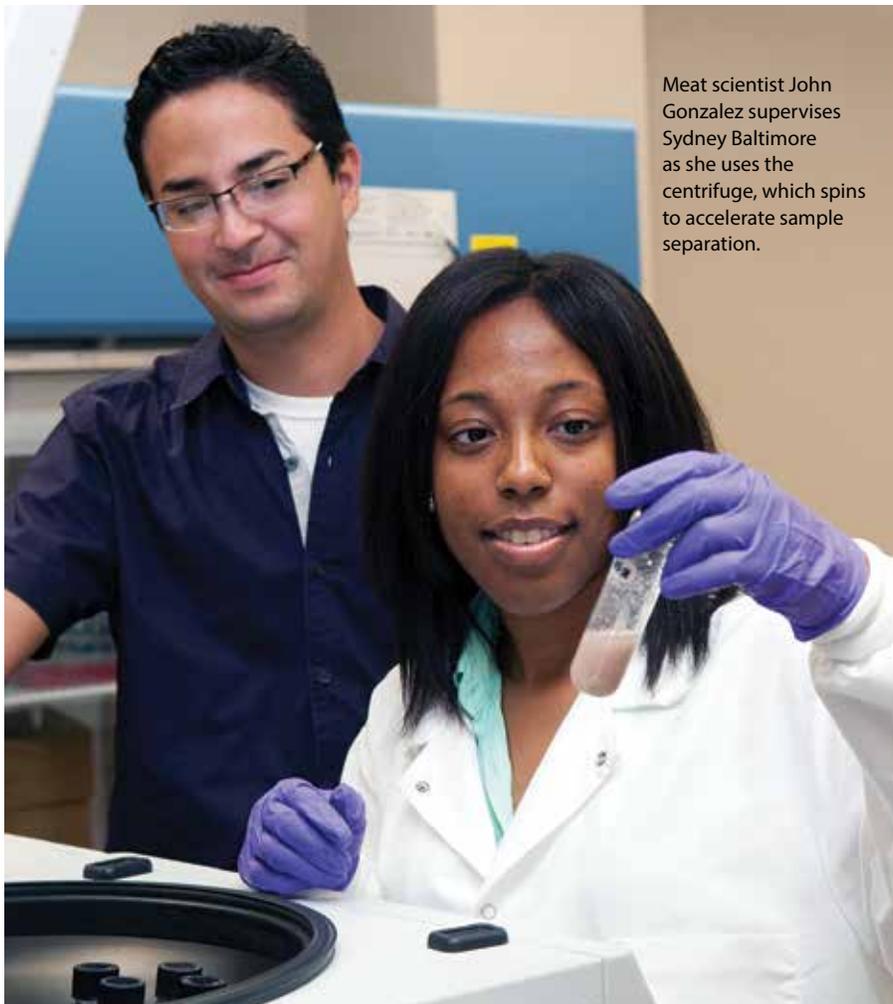
Five states and a Canadian province have created programs based on both Kansas models.

See <http://karlprogram.com>.

KARL Class XII Selected

Thirty Kansans make up the 12th Kansas Agriculture and Rural Leadership, Inc. (KARL) class. They will participate in nine in-state seminars; a national blue chip seminar, which is an executive review of a Fortune 500 corporation's strategic management processes; a tour to Washington, D.C., to study decision making on the federal level; and an international study tour to South Africa in 2015.

KARL Class XII members include: **Matt Symns** (BS '00 agricultural technology management), Atchison; **Tony King** and **Heather Hartman**, Beloit; **Sara Dawson** (BS '95 animal sciences and industry), Cedar Point; **Wade Collins** (BS '95 animal sciences and industry), Chanute; **Tanner Brown**, Colby; **Riley Eilerman**, Danville; **Shannon Martin**, Dexter; **Sarah Farlee** (BS '03 animal sciences and industry), Dodge City; **Jonathan Lightner**, Garden City; **Timothy Franklin** (BS '05 milling science and management), Goodland; **Kyra O'Brien** (BS '10 agricultural economics), Hepler; **Greg Rodvelt**, Horton; **Ryan Brady**, Ingalls; **Joseph Thomas**, Kansas City; **Miranda Allen**, Kiowa; **Wade Wilbur** (BS '02 agricultural education), Lawrence; **Andrea Stroberg Kitch** (BS '09 agribusiness); **Greg Legleiter** (BS '00 agricultural economics); and **Brett Esau** (BS '05 agricultural economics), all of Manhattan; **Travis Mason** (BS '03 agricultural education), Marysville; **Shane Eck** (BS '00 agricultural economics), McPherson; **Grant Good** (BS '07 agricultural technology management), Moundridge; **Teresa Chrisler Reimer**, Natoma; **Matthew Voth**, Newton; **Lesley Schmidt**, Park City; **Susan Mackey** (BS '84 animal sciences and industry), Spring Hill; **Chelsea Good** (BS '08 agricultural communications and journalism/political science/journalism and mass communications, MS '10 communications studies), Topeka; **Scott "Bronc" Barrows** (BS '84 animal sciences and industry), WaKeeney; and **Rebecca Frerking**, Washington.



Meat scientist John Gonzalez supervises Sydney Baltimore as she uses the centrifuge, which spins to accelerate sample separation.

Training Tomorrow's Scientists

Six enthusiastic students arrived in Manhattan in early June to participate in the eighth annual K-State Research and Extension Multicultural Summer Research Fellowship. During the eight-week program, the students worked with K-State scientists, made research presentations, and learned about Kansas.

Lauriel Stewart and Aisha Ellis, Georgia; Donunique Fine, California; Sydney Baltimore, North Carolina; and Aja West, Illinois, are students at Tuskegee University. Isis Lopez came from the University of Puerto Rico. Each student chose a topic of interest and was paired with one or more K-State researchers.

Sydney Baltimore worked with meat scientist John Gonzalez. The objective of her study was to examine the effect of growth-promoting technologies and

days of postmortem aging of beef steak tenderness. K-State has a grant from the National Cattlemen's Beef Association to continue the research.

Isis Lopez was paired with plant pathologist Anna Whitfield, who is featured on the cover. Lopez studied barley yellow dwarf species that affect Kansas wheat. Her research will be used in future experiments to help prevent wheat from being infected by aphids carrying the virus.

Donunique Fine worked with agronomists Ganga Hettiarachchi and Gary Pierzynski to study if polycyclic aromatic hydrocarbons (PAHs) in soil can be absorbed through the skin. She compared contaminated soil to control soil with low PAH levels.

Aja West's project evaluated the best medium to transport field samples of

Shiga toxin-producing *Escherichia coli* (STEC) to the lab for analysis. The project tied into a \$25 million, multi-state grant that food scientist Randy Phebus oversees in K-State's Biosecurity Research Institute.

Under the direction of food scientist Fadi Aramouni, Lauriel Stewart partnered with RevHoney Corporation to develop several sports drinks that use honey as the primary sweetener and are under 100 calories per serving. She shared samples of the apple drink during her presentation.

Aisha Ellis worked with Tom Shanower and Scott McVey from the USDA Center for Grain and Animal Health Research located in Manhattan. Her research looked at preventing or maintaining three livestock viruses — the Rift Valley fever virus, the bluetongue virus in sheep, and the epizootic hemorrhagic disease in white-tailed deer.

In addition to their research, the students toured the Underground Salt Museum in Hutchinson, ate bison burgers at the Konza Prairie Biological Station, and visited other local sites.

A total of 30 students have participated in the program from the following institutions: Prairie View A&M University (4), Fort Valley State University (3), Tuskegee University (11), Purdue University, Alabama A&M University, Tennessee State University, University of Maryland Eastern Shore, North Carolina State University, Southern University, University of Arkansas at Pine Bluff, North Carolina A&T University, Lincoln University, University of Texas at San Antonio, University of Puerto Rico, and Alcorn State University in Mississippi.

So far, five of the students have opted to pursue master's degrees at K-State. Four have completed their degrees, and one is working on a master's degree in grain science with Susan Sun.

The program is funded through K-State Research and Extension and the College of Agriculture. Zelia Wiley, assistant dean for diversity programs, serves as coordinator.

For more information, go to www.ag.k-state.edu/diversity-programs.

Faculty Earn University Awards



Kiffnie Holt, above, (BS '01 horticulture, MS '05 entomology), Insect Zoo coordinator, holds one of the zoo inhabitants — a walking stick. She received a President's Award of Excellence for Unclassified Professionals for her creativity and innovation in developing displays and programs at the Insect Zoo.

"We had 8,647 visitors in 2012, with about 76 scheduled tours," said Holt. "Walk-in, unscheduled small groups (usually families) are now 70 percent of our visitors, which has slowly evolved over 10 years while school field trip budgets shrank and more local families learned of our existence."

Brad Purdue, horse unit manager in the Department of Animal Sciences and Industry, also was selected for the President's Award of Excellence for Unclassified Professionals in the leadership category. He teaches Advanced Horse Training and Management and conducts research at the K-State Horse Teaching and Research Unit. Purdue has worked hard to reduce expenses and increase income by seeking donations of both services and products, breeding more marketable horses, and reducing the herd number to a manageable level.



David Nichols, professor and teaching coordinator for the Department of Animal Sciences and Industry, garnered a Commerce Bank Outstanding Undergraduate Teaching Award. Nichols (MS '79, PhD '82 animal science) joined the K-State faculty in 1981.

Above, Nichols visits with Tyler Leonhard (BS '12 animal science) at the Stanley Stout Center.

"I consider myself blessed to have the opportunity to teach, especially incoming students," Nichols said. "I hope I can make a difference in their first-year experience and help them succeed at K-State. I'm extremely lucky to do what I do and to be at K-State."



Dorith Rotenberg, research associate professor of plant pathology, earned the 2013 University Distinguished Faculty Award for Mentoring Undergraduate Students in Research. She studies plant viruses transmitted by crop pests and finds working with young researchers mutually beneficial.

"The students benefit by learning scientific method, gaining confidence in speaking and writing about science, and mastering numerous research tools for addressing their questions," she said. "I benefit by having a well-trained team of enthusiastic, curious, and productive researchers. Ultimately, society benefits by gaining a dynamic and diverse next generation of scientists."

At left, Dorith Rotenberg (center) directs microbiology students Alexandria Kieffaber and Joshua Ames in a Throckmorton Hall lab.

K-State Agriculture Doctoral Programs Ranked in Top 10

A website that compares university programs across the United States has ranked several K-State College of Agriculture programs in the Top 10.

The rankings, at *PHDS.org*, use data from the National Research Council, the National Science Foundation, and the Center for Education Statistics to provide information about quality measures or graduate programs. The rankings are based on doctoral programs.

K-State is the top-ranked plant pathology doctoral program and No. 10 nationally among 162 plant sciences departments, which puts it ahead of plant pathology programs at Cornell University, the University of Wisconsin, and the University of California-Davis.

“These rankings, which include numerous renowned universities across the United States, are a testament to the incredible work being done across the college’s doctoral programs,” said John Floros, dean of the College of Agriculture and director of K-State Research and

It affirms that our students and faculty are among the best and brightest.

Extension. “It affirms that our students and faculty are among the best and brightest. Clearly, we have some very strong programs.”

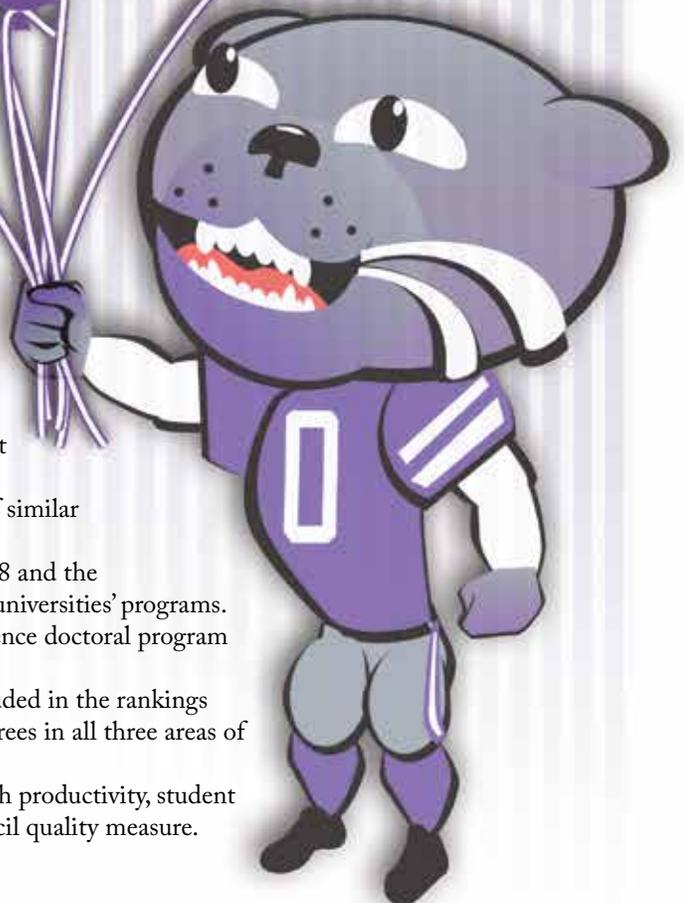
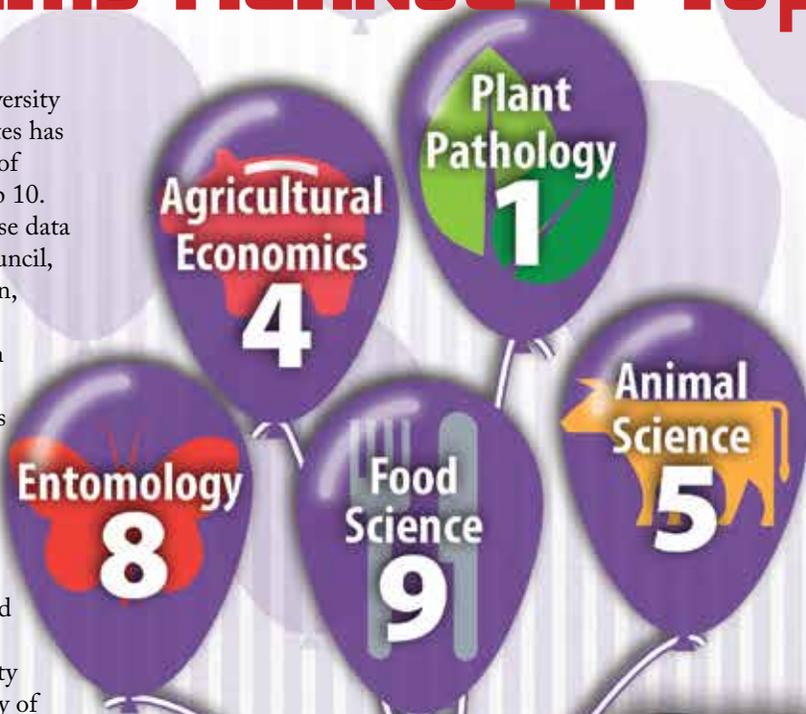
K-State’s agricultural economics program is ranked No. 4, ahead of similar departments at Purdue University and Cornell.

In addition, K-State’s entomology doctoral program is ranked No. 8 and the interdepartmental food science program No. 9, compared with other universities’ programs.

In the “Research Productivity category,” the university’s animal science doctoral program ranked No. 5 among animal and dairy science programs nationally.

K-State’s Department of Grain Science and Industry was not included in the rankings because it is the only institution in the country that offers college degrees in all three areas of baking, feed, and milling science and management.

Overall rankings are based on a variety of criteria including research productivity, student outcomes, student resources, diversity, and a National Research Council quality measure.



Student Highlights



K-State students Lacie Darnell, left, and Kinzie Selke are among the 11 future agricultural education teachers selected as national ambassadors. They will spend the next year promoting the agricultural education profession as part of the National Teach Ag Campaign ambassador program.



Byrce Geilach

The Kansas State University Meats Judging Team won the Australian Intercollegiate Meat Judging workshop hosted by Charles Sturt University in Wagga Wagga, New South Wales, Australia, in July. This marked the first time K-State was invited to represent the United States at the event. The team is shown at the Healesville Sanctuary north of Melbourne. Front row (L-R): Coach Terry Houser, Elsie Suhr, Courtney Schultz, Allie Hobson, MaryAnn Matney, Jeremy Mock, Pake Ebert and Lane Geiss. Back row: Assistant coaches Aaron Tapian and Garret Dietz, Austin Abeldt, and Reiss Bruning.

To raise travel funds, a local restaurant donated 10 percent of its profits for an evening while team members answered patron's questions about meat judging. The team also hosted a golf tournament and solicited other donations.

Student shorts

The Association of Horticulture Professionals (OFA) selected master's student **Joshua Craver** as an OFA Scholar, which provides professional development opportunities through educational sessions, networking events, and working alongside an industry mentor.

Carolyn Fox, sophomore in agronomy from Manhattan, received a \$5,000 Goss Discovery Scholarship to study abroad for the fall 2013 semester at Federal University of Santa Maria, Brazil.

Doctoral students **Sherrill Cropper** (grain science) and **Matthew Wilson** (horticulture), along with master's student **Stuart Watts** (agronomy), won Richard Elmore Brown Outstanding College of Agriculture Graduate Student Teaching Awards.

Devin Dick, senior in agribusiness from Hutchinson, earned the Wilma Rudolph Student-Athlete Achievement Award June 8 at the National Association of Academic Advisors for Athletics convention in Florida. Dick is a decathlete and cancer survivor. He claimed second in the heptathlon indoors at the Big 12 Championship, and K-State student-athletes chose him for the Most Inspirational Award at the Powercat Choice Awards.

K-State's teams won the American Society of Agricultural and Biological Engineers' annual International Quarter-Scale Tractor Student Design Competition in Peoria, Ill. The teams and their Powercat tractors won their ninth international championship. It's the 15th time in the last 16 years that K-State has won or placed in the top three.

Casey Drodgy, agricultural communications and journalism/animal sciences and industry, Princeton, and **Jake Erceg**, animal sciences and industry, Talent, Ore., are members of the 2013-2014 Agriculture Future of America leadership team. Drodgy will serve on the student advisory team and Erceg as a campus ambassador.

Gamma Sigma Delta Awards

The K-State chapter of the international agricultural honor society, Gamma Sigma Delta, recognized graduate students at the organization's spring reception April 26 in the Leadership Studies building: PhD Research — **Sureemas Nitikanchana**, pathobiology; MS Research — **Brady Brewer**, agricultural economics; PhD Teaching — **Antonio "Ray" Asebedo**, agronomy; and MS Teaching — **Stuart Watts**, agronomy.

NACTA Awards

Awards from the North American Colleges and Teachers of Agriculture meeting in Blacksburg, Va.: **Jessica Winkler**, graduate research assistant, won first in the graduate student poster contest. **Kristi (Wright-Burton) O'Riley**, animal science, and **Stuart Watts**, agronomy, earned graduate student awards.

Students of the Month

Each month the College of Agriculture selects an outstanding student. These students were recognized at the May College of Agriculture Awards Assembly:

September — **Jesse Muller**, Coffeyville, senior in agricultural economics

October — **Paige Druffel**, Pullman, Wash., sophomore in agricultural communications and journalism

November and Student of the Year Scholarship — **Reagan Kays**, Weir, junior in agricultural economics

December — **Garrett Kennedy**, Phillipsburg, senior in agronomy

January — **Leanne Milleret**, Lawrence, junior in agricultural economics

February — **Jordan Hildebrand**, Stafford, junior in agricultural communications and journalism

March — **Logan Britton**, Bartlett, senior in agricultural economics

April — **Kassie Curran**, Farlington, senior in food science and industry

Hours of Practice and Study Earn National Reserve Champion Status

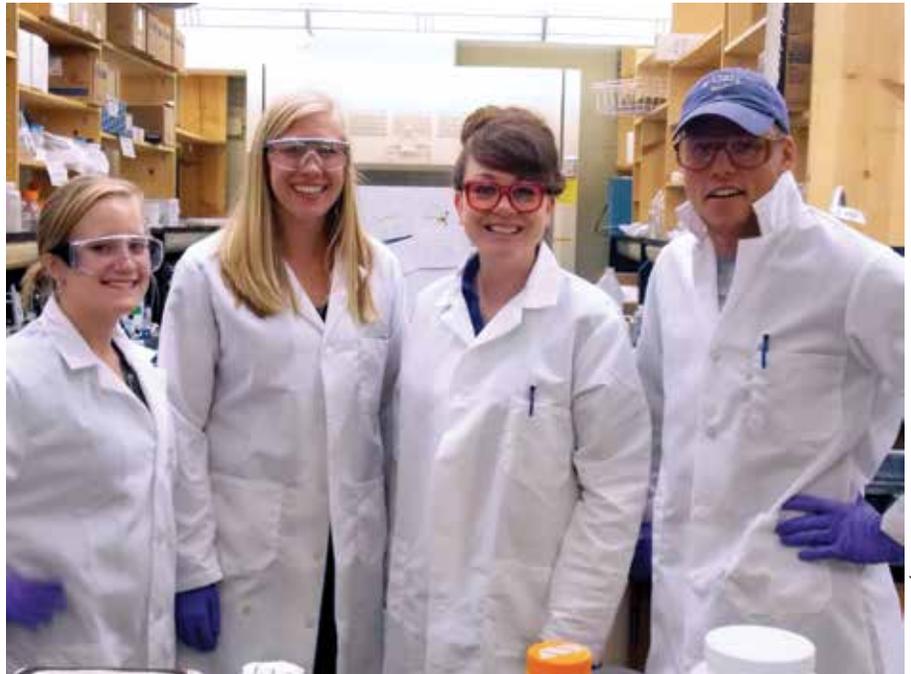


Photo Courtesy of Karol Fike

K-State students brought home 2013 reserve champion honors from the National Animal Science Academic Quadrathlon competition July 8–9 at the joint American Society of Animal Science/ American Dairy Science Association meetings in Indianapolis. The competition includes four events: laboratory practicum, quiz bowl, oral presentation, and written exam. Team members are (L-R) **Analena Simmons**, May 2013 graduate of feed science and management and minor in animal sciences and industry, Barnard; **Kiah Gourley**, junior in animal sciences and industry, Philomath, Ore.; **Angela Vesco**, May 2013 graduate of animal sciences and industry, Winnemucca, Nev.; and **Chase Miller**, junior in animal sciences and industry, Harrisonburg, Va. Assistant Professor Karol Fike advises the team, which is sponsored by Fourth and Pomeroy Associates, Inc. of Clay Center with Joe Ebert (BS '71 animal science), vice president and general manager, and Jim Brown (BS '59 feed science and management), company president.

K-Staters Sweep AGR Undergraduate Achievement Awards



Photo courtesy of Logan Britton

Reagan Kays, left, and Logan Britton, earned the 2012 Alpha Gamma Rho (AGR) Undergraduate Achievement awards and \$1,000 scholarships.

It was a K-State milestone in two ways. Kays and Britton are the first members from K-State's AGR chapter (Alpha Zeta) to earn this honor, and they are the first duo from any individual chapter to win the same year.

The national award goes to two members who excel in all areas of involvement and is the highest honor given to undergraduates. AGR has 70 chapters with 2,900 members nationwide.

Faculty Notes

Agricultural Economics

Nathan Hendricks (BS '05, MS '07 agricultural economics), assistant professor, and **Jeff Peterson**, professor, received the 2013 award for outstanding article in the *Journal of Agricultural and Resource Economics* for their analysis of irrigation water demand in western Kansas.

Brian Briggeman (BS '00 agribusiness), associate professor of agricultural economics and director of the Arthur Capper Cooperative Center, was named Faculty of the Semester for spring 2013.

Agricultural Research Center–Hays

Archer Daniels Midland (ADM) announced a \$325,000 investment in the Kansas Wheat Commission Research Foundation to enhance hard white wheat variety development at the center by breeder **Gurong Zhang** and colleagues.

Agronomy

The Kansas Wheat Commission, Kansas Wheat Alliance, and Kansas Crop Improvement Association will fund more than \$1.4 million in research in Manhattan and Hays for the 2014 fiscal year. Funding comes from \$0.015 collected on every bushel of wheat sold in the state through the Kansas Wheat Commission, royalties collected on licensed public varieties through the Kansas Wheat Alliance, and contributions from the research support fund generated by certified seed growers.

Chuck Rice, university distinguished professor, represented the Soil Science Society of America at the inaugural session of the Global Soil Partnership June 11–12 in Rome, Italy.

Animal Sciences and Industry

Bob Goodband (MS '86, PhD '89 animal science), professor and extension swine nutrition specialist, was named College of Agriculture Advisor of the Year.

Jennifer Bormann, associate professor of beef cattle genetics, was named Faculty of the Semester for spring 2013.

Awards presented at the American Society of Animal Science (ASAS) and American Dairy Science Association (ADSA) joint annual meeting in Indianapolis, Ind.: **Michael Dikeman** (BS '66 animal science, PhD, '70 food science), ASAS Fellow Teaching Award; **Jim Drouillard**, ASAS American Feed Industry Association Award – Ruminant Nutrition; **Mike Brouk**, ADSA Pioneer Hi-Bred Forage Award; **Barry Bradford**, ADSA Lallemand Animal Nutrition Award for Scientific Excellence in Dairy Nutrition.

Teresa Douthit earned one of two College of Agriculture Scholarship of Teaching and Learning awards.

Jim Nelssen (BS '78, MS '80 animal science), professor and extension specialist, is part of a multistate team honored by the North Central Regional Association of State Agricultural Experiment Station Directors for research that has solved problems related to swine nutrition.

Randy Phebus, professor of food science, received the 2013 Elmer Marth Educator Award from the International Association for Food Protection.

Associate Professor **Terry Houser** received the 2013 American Meat Science Association Achievement Award at the association's Reciprocal Meats Conference.

Biological and Agricultural Engineering

Results from the 2013 American Society of Agricultural and Biological Engineers international meeting July 20–24 in Kansas City, Mo.: **Danny Rogers** (BS '76 agricultural engineering), professor, was elected a fellow and named the Kansas Section 2013 Member of the Year. **Rumela Bhadra**, research associate, was named Kansas Section 2013 Young Member of the Year. **Donghai Wang**, professor, and two former graduate students

Karnnalin Theerarattananoon and **Feng Xu**, were co-authors of work that received the Superior Paper Award.

Communications and Agricultural Education

Deb Pryor, **Pat Melgares**, **Jeff Wichman**, **Randall Kowalik**, and **Elaine Edwards** earned a Gold Award for Informational or Non-Credit Educational Video Production at the Association for Communication Excellence conference.

Steve Harbstreit, associate professor, was selected by the Kansas State Department of Education to chair the agriculture education committee associated with the department's licensure standards revision process.

Entomology

Raymond Cloyd, professor and extension specialist, was selected by the American Rose Society to receive two Award of Merit certificates for newsletter articles.

Yoonseong Park, professor, won the College of Agriculture Excellence in Graduate Teaching Award.

Brian McCornack, assistant professor, earned the Educational Project Award for a Web-based application at the North Central Branch Entomological Society of America conference.

Food Science Institute

Sarah Reasoner (BS '04 animal science), FSI distance programs coordinator, received the 2013 Promoting an Accessible Campus Award for her efforts to improve the experiences of students with disabilities at K-State.

Horticulture, Forestry and Recreation Resources

Bob Atchison, rural forestry coordinator, was named a fellow in the Society of American Foresters for service to the society and the profession.

Charles Barden, professor of forestry, was named an Outstanding Alumni for 2013 by the Forest Resource Alumni Group at Pennsylvania State University.

Ted Cable, professor of park management and conservation, delivered the opening keynote address at the International Interpretation Conference in Sigtuna, Sweden.

Cathie Lavis (MS '93 horticulture, PhD '05 agronomy), associate professor of landscape management, received the American Horticultural Society Teaching Award at the June AHS gala in Alexandria, Va. She will receive the 2013 Excellence in Education Award from the Irrigation Foundation at the 2013 Irrigation Show and Education Conference in November.

Cary Rivard, assistant professor and extension specialist, received a \$67,000 grant from the Wal-Mart Foundation to design a system to help boost U.S. strawberry production

Kim Williams (BS '88 horticulture), professor of greenhouse management, earned one of two College of Agriculture Scholarship of Teaching and Learning awards.

Gamma Sigma Delta Honors



The K-State chapter of the international agricultural honor society, Gamma Sigma Delta, recognized faculty and alumni at the organization's spring reception April 26 in the Leadership Studies building. The awards included: Distinguished Alumni —

Wendy Wintersteen (BS '78 crop protection), dean of the College of Agriculture and Life Sciences at Iowa State University; Outstanding Teaching — **Jason Bergtold**, associate professor of agricultural economics; Excellence in Extension — **Rhonda Janke** (BS '80 agronomy), associate professor and extension specialist for sustainable cropping systems; Distinguished Faculty — **Elizabeth Boyle**, professor and extension specialist in meat safety; Outstanding Advising — **Shannon Washburn** (BS '95 agricultural education, MS '99 secondary education), professor of agricultural education; Outstanding Research — **Ganga Hettiarachchi**, associate professor of soil and environmental chemistry; and Early Career — **Dorivar Ruiz-Diaz**, assistant professor of soil fertility and nutrient management.

Plant Pathology

Bikram Gill, university distinguished professor, will be recognized as Professor of the Week at the Oct. 26 K-State versus West Virginia football game.

NACTA Fellow Awards

Four of the 28 North American Colleges and Teachers of Agriculture (NACTA) Teacher Fellow awards went to K-State faculty. They are **Teresa Douthit** (BS '99, MS '01 animal science), assistant professor of equine nutrition; **Scott Schaake** (BS '84 animal science), associate professor/livestock judging team coach; **Jason Ellis** (BS '98 agricultural journalism/animal science), associate professor of agricultural communications and journalism; and **Ganga Hettiarachchi** (MS '95, PhD '00 agronomy) associate professor of agronomy. They were recognized at the NACTA awards banquet June 28 in Blacksburg, Va.

In Memoriam

John Smith, 51, Oro Valley, Ariz., died March 29, 2013. He was a professor and extension dairy specialist at New Mexico State University, K-State (1995 to 2011), and University of Arizona in Tucson. He earned numerous awards from dairy organizations.

Dolores "De" McGlashon, 82, Overland Park, died March 18, 2013. From 1978 to 1983, she served as an assistant extension editor, then as a communications specialist until her retirement in 1996. A plaque in the K-State Gardens honors her devotion to the gardens and the Flint Hills Daylily Society.

Ruthann Minge, 60, office professional in the River Valley District, Washington Office, died April 15, 2013. She worked at K-State before joining the Washington County Extension Office in 1974. She was honored in 2012 for completing 40 years of service.

Donald Mock, 74, Manhattan, died April 15, 2013. He was hired in 1973 as the southwest area extension specialist for crop protection. He moved to campus as the Integrated Pest Management coordinator in 1980. He later served as a specialist for livestock entomology and medical and veterinary entomology. He retired in 2001.

Frank D. Morrison, 84, Manhattan, died July 23, 2013. He was hired as an extension horticulture specialist in 1966. He enjoyed working with fruit and nut growers in Kansas and consulted in several countries. He later served as state leader until 1994 and retired in 1998.

Retirees Celebrated

College of Agriculture and K-State Research and Extension retirees who were recognized for their years of service at the April 16 ceremony at the K-State Alumni Center: **Ben Allen**, Rolling Prairie District, 15; **Steve Ballou**, communications and agricultural education, 42; **Michael Dikeman**, animal sciences and industry, 42; **Dennis Elbrader**, Cherokee County, 17; **Fred Fairchild**, grain science and industry, 19; **Terry Gugle**, animal sciences and industry, 40; **William Heer**, South Central Experiment Field, 27; **Dale Ladd**, McPherson County, 36; **Ronald Madl**, grain science and industry, 15; **Mary Lou Odle**, Central Kansas District, 38; **Joann Paschal**, Russell County, 36; **Nancy Peterson**, communications and agricultural education, 17; **William Rust**, agronomy, 16; **Carol Scheer**, River Valley District, 12; **Dallas Seifers**, Agricultural Research Center-Hays, 30; **Jan St. Clair**, Comanche County, 20; **John Stannard**, Russell County, 23; **Dean Stites**, Crawford County, 30; and **Kathleen Ward**, communications and agricultural education, 34. The 19 retirees accumulated 509 years of service, an average of 27 years.

Swine nutritionist named university distinguished professor

BEST OF THE BEST

Passion, productivity, originality, and intensity make Mike Tokach one of the outstanding swine nutritionists in the world and earned him the title of university distinguished professor, a lifetime title that represents the highest honor Kansas State University can bestow on its faculty.

As a professor and extension state leader in the Department of Animal Sciences and Industry, Mike Tokach's position is 60 percent extension and 40 percent research. He conducts swine nutrition research with graduate students and the extension swine team and then disseminates results to swine producers across the country, industry, and to other stakeholders.

Tokach (MS '88 animal science) was nominated by a colleague. Following are a few highlights from the nomination:

Results of Tokach's research have been integrated and applied by swine producers, veterinarians, and allied industries around the world. He has received regional and national awards and was asked to present his vision on the future of extension and research as the keynote speaker at a national swine veterinary meeting.

In 2005, he was named one of the 50 most influential people in the



From left, Mike Tokach visits with Jason Woodworth, research associate professor, and Josh Flohr, doctoral student in swine nutrition, about managing research projects with partners in Minnesota.

swine industry by *National Hog Farmer* magazine, a trade journal serving the swine industry.

Tokach has mentored 63 graduate students and served as major professor for nine. These master's and doctoral students have been widely recruited by industry and academic institutions.

He strongly believes in using a team approach to solve problems facing the swine industry. He works closely with other members of the K-State swine team, which includes animal science graduates **Bob Goodband** (MS '86, PhD '89), **Jim Nelssen** (BS '78, MS '80), **Steve Dritz** (PhD '95), and **Joel DeRouchev** (MS '99, PhD '01).

About 20 years ago, Tokach pioneered a unique research alliance with a group of southwest Minnesota pork producers who built commercial research facilities that are managed by the K-State swine team. To date more than 200 projects have been

conducted at the site, and more than 20 such research facilities now exist in the United States.

His ideas for research, teaching, and extension programs have resulted in more than 200 refereed journal articles, six book chapters, 717 extension publications, seven patents, and \$4.1 million in research awards. Tokach also solicited \$3.5 million in donations to Kansas State University.

Most importantly, Tokach's findings have been widely applied and integrated in the swine industry, saving hundreds of millions of dollars for producers and consumers.

Tokach joins Ted Schroeder, agricultural economics; Charles Rice, agronomy; Xiuzhi "Susan" Sun, grain science and industry; and Bikram Gill, John Leslie, and Barbara Valent, plant pathology; as College of Agriculture university distinguished professors.

New Faces at Olathe



New faculty at K-State Olathe include (L-R) Sara Gragg, assistant professor of food science; Londa Nwadike, food safety specialist; and Eleni Pliakoni, assistant professor of urban food production and postharvest handling.

by Kristi Northcutt

Kansas State University Olathe isn't just providing graduate education *in* the Kansas City metro area, they have designed degrees *for* the metro area. In the middle of the thriving animal health corridor, which stretches from Manhattan to Columbia, Mo., K-State Olathe is positioned to have a dramatic impact on the area, especially in the areas of animal health and food safety — the initial focus areas of the campus.

Eight graduate program options are available — adult and continuing education (four options), food science, horticulture, agribusiness, and veterinary biomedical sciences — and more programs are on the way.

The master's degree in food science encompasses the spectrum of food science, including food processing, product development, sensory analysis, food safety, and security in the food chain. Sara Gragg serves as a full-time assistant professor of food science.

"Education and research in food science have long been areas of excellence at K-State," said Ken Odde, head of the Department of Animal Sciences and Industry. "We are pleased to be able to add faculty and offer graduate education in food science at K-State Olathe."

The Master of Agribusiness combines an MBA and master's degree in agricultural economics designed for working professionals. Each course is tailored to the animal health industry and offers a global animal health industry elective to further customize the curriculum.

"The goal of the program is to take people who work in the industry and allow them to learn business and management skills from instructors who understand the animal health and vet medicine industry," said Allen Featherstone, professor of agricultural economics and director of the MAB program.

The master's degree in horticulture focuses on how the urban food system impacts economic development and provides a source of nutritious food grown locally/regionally. The specialization places an emphasis on sustainable agriculture, food systems project management, and safe food production in an urban environment. Eleni Pliakoni is on board as the assistant professor of urban food production and postharvest handling.

Eight graduate program options are available and more programs are on the way.

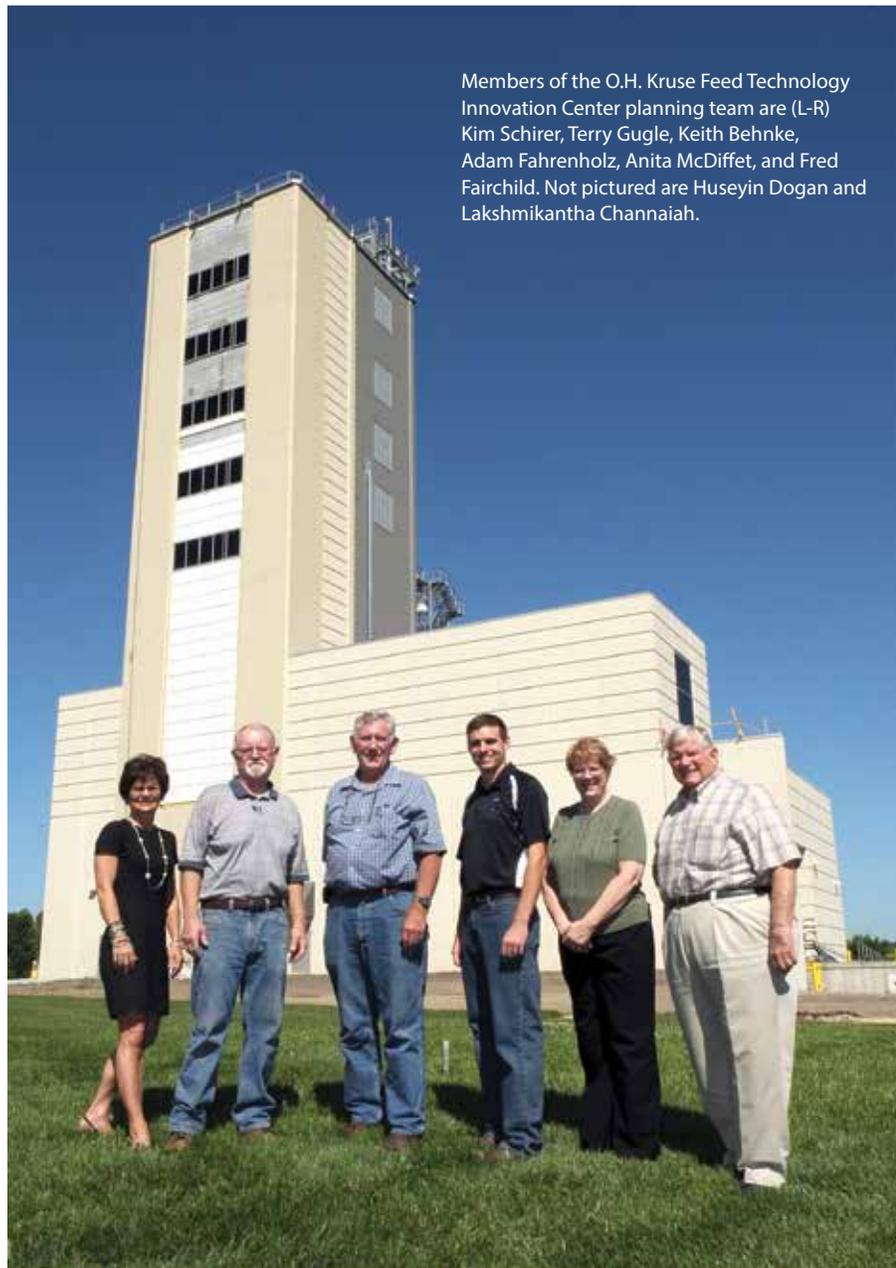
Paving the way in collaborative and interdisciplinary efforts, K-State Research and Extension has partnered with the University of Missouri on a joint position for a food safety specialist, housed at K-State Olathe. Londa Nwadike serves as a state specialist for training field staff throughout Kansas and Missouri and helps design and develop research-based educational programs, materials, and curricula for food processing, preservation, and safety.

The K-State Olathe campus opened in April 2011 and has welcomed more than 30,000 visitors for professional development and workforce training and more than 8,000 K-12 students and teachers.

The facility houses eight faculty members, visiting faculty from the Manhattan campus, 18 staff members, and industry partners.

For more information, visit olathe.k-state.edu.

Grain Science Honors Alumni, Service to Industry



Members of the O.H. Kruse Feed Technology Innovation Center planning team are (L-R) Kim Schirer, Terry Gugle, Keith Behnke, Adam Fahrenholz, Anita McDiffet, and Fred Fairchild. Not pictured are Huseyin Dogan and Lakshmikantha Channaiah.

Close ties with K-State alumni and industry partners around the world enhance the educational experience for students in K-State's Department of Grain Science and Industry. To acknowledge those successful partnerships, the department recognized alumni, faculty, and industry leaders.

Four outstanding alumni were honored for their professional achievements:

Hamed Faridi (MS '74 food science, PhD '75 grain science) leads a global team of scientists and flavorists for

McCormick and developed the McCormick Science Institute to promote the health benefits of culinary spices and herbs.

Justin Gilpin (BS '98 milling science and management) serves as CEO of Kansas Wheat and chairman of Heartland Plant Innovations, and he is on the Wheat Quality Council board of directors.

Fengcheng Wang (MS '97 biological and agricultural engineering, PhD '01 grain science) is a professor of cereal science and technology and former dean

at Henan University of Technology; serves as director of the Research Center for Cereal, Oil, and Food of the State Grain Administration of China; and director of the National Engineering Technology Research Center for Cereal Processing and Equipment, China.

Evangelina Villegas (MS '63 grain science) was the first woman to receive the World Food Prize. Her achievements include evaluating wheat varieties for Norman Borlaug, conducting research at the International Maize and Wheat Improvement Center, and serving as a maize and wheat quality consultant for national research programs throughout Latin America, Africa, and Asia.

Service awards were presented to:

Brothers **Ross Holton** (BS '74 bakery science and management), president, and **John Holton**, executive vice president of Holton Food Products, which manufactures stabilizers and dry ingredients for commercial bakeries.

Ron Madl (MS '69 chemistry, PhD '73 biochemistry), former director of K-State's Bioprocessing and Industrial Value-Added Program, who returned to Manhattan in 1997 as director of the Wheat Research Center, where he helped introduce hard white wheat to the Central Plains.

Emeriti professors **Keith Behnke** (BS '68 feed science and management; MS '73, PhD '75 grain science) and **Fred Fairchild** (MS '64 grain science); **Huseyin Dogan**, instructor; **Lakshmikantha Channaiah** (PhD '09 grain science), **Terry Gugle** (BS '71, MS '94 animal science), operations assistant; **Adam Fahrenholz** (BS '05 feed science and management; MS '08, PhD '12 grain science), **Anita McDiffet**, office development officer; and **Kim Schirer**, college development officer; were recognized for their collaborative and individual efforts in planning and developing the O.H. Kruse Feed Technology Innovation Center, which will be dedicated Oct. 11, 2013.

For more information, see www.grains.ksu.edu.

Students and advisers form long-term relationships

A Lasting Bond

Kyle Colyer came to K-State from Bruneau, Idaho, to get a degree in animal sciences and industry and participate on the livestock judging team. He accomplished both and made some lifelong friendships.

To honor his friendship with Professor Emeritus Miles McKee, Colyer named a prize-winning Hereford bull C Miles McKee 2103 ET. In April, that bull sold at auction for \$600,000, a new world record.

“Dr. McKee is an icon in the beef industry,” said Colyer, who graduated in 2000. “He cares about people and has devoted his lifetime to K-State. I’m proud to say I rubbed elbows with him.”

Colyer remembers showing his parents around campus after graduation ceremonies.

“Most of the offices in Weber Hall were closed, but Dr. McKee was in his office just in case students or their families needed help,” said Colyer. “That shows his devotion to students.”

Scott Schaake was Colyer’s adviser and livestock judging team coach. He also advised Kyle’s sister Katie (BS ’04 animal science), and he has stayed in touch with the family. Both Katie and Kyle joined their father and grandfather in the family business, Colyer Herefords & Angus. Kyle also is an auctioneer, and Katie works for *LiveAuctions.tv*.

The Colyers contacted Schaake a couple months before the auction to share their plans about naming the bull for McKee.

K-State faculty — including McKee — and students gathered in a classroom to watch the record-breaking auction.

“I knew the bull would sell well, but I didn’t expect it to be the highest selling bull ever,” Kyle Colyer said. “He turned out to be a bull that will make a difference for the Hereford breed.”

Colyer Herefords & Angus retained one-fourth ownership of the bull. Members of the Miles McKee Syndicate, Dunlap, Iowa, purchased three-quarters of C Miles McKee 2103 ET. Thirty straws of semen will go to K-State’s breeding program.



C Miles McKee Sets World Record

A Hereford bull named C Miles McKee 2103 ET set the world record for a cattle sale, selling for \$600,000. Bred by Colyer Herefords, Bruneau, Idaho, the bull sold in Colyer’s bull sale on Feb. 25.

The Miles McKee Syndicate, Dunlap, Iowa, purchased three-quarters interest in the bull. According to the World Record Academy, Miles McKee nearly doubled the previous *Gauchos World Record*, which was set in 1980 when a bull sold for \$301,000.

C Miles McKee 2103 ET is a Jan. 11, 2012, son of NJW 9888 R117 Ribeye 88X ET. The bull was recently named grand champion horned Hereford at the Fort Worth Stock Show. He was also the lead bull in Colyer’s grand champion pen at the 2013 National Western Stock Show.

According to the Colyer family the bull was named after Kansas State University Professor and Legendary Livestock Judge Miles McKee.

“Miles has been an icon in the cattle industry for more than 40

years,” says Guy Colyer. “Both Kyle and Katie, our grown children, graduated from Kansas State and they thought very highly of him as a professor and a mentor. Thus we named the bull after him.”

The Colyer sale averaged \$8,475 on 169 lots. A total of 142 bulls averaged \$9,549 and 27 females, \$2,826. For a report, see Page 80 or visit hereford.com. ■■



Hereford.org

April 2013 / *HEREFORD WORLD* 33

Photo courtesy of Hereford World magazine

Class Notes

1960

Iowa State University named a greenhouse for emeritus professor **Charles V. Hall** (PhD entomology), Manhattan, who served as chair of ISU's Department of Horticulture from 1974 to 1990.

1965

Herman Westmeyer (MS animal science), retired county agent and livestock specialist was featured on the front page of the June 17 *Manhattan Mercury*. To read "Through the Dust Bowl and the Battle of the Bulge," go to www.ksre.ksu.edu/agreport.

1969

Lt. Col. Ronald Huether (BS '69 animal science) was inducted into the Dustoff Hall of Fame on April 13, 2013. He completed ROTC at K-State and spent 23 years as a U.S. Army aviator, completing hundreds of missions and receiving numerous citations.

1971

In October, **Steve Fisher** (BS animal science, MS '77 adult and occupational education) will become the 11th Kansan inducted into the National 4-H Hall of Fame. During his 32-year career, he was known across the state as "Mr. 4-H" for his vision, leadership, and ability to interact with people. He initiated new programs and inspired 4-H members and volunteers.

1972

Scott Goltry (BS animal science), vice president, technical services, for American Meat Institute presented "Meat Safety Management in a Complex World" in Manhattan on February 26.

1973

Dale Fehrenbach (BS agricultural mechanization) Chanhassen, Minn., retired from Cargill Inc. after 39 years. He finished his career as president of Cargill Deicing Technology, a salt mining and distribution business.

1981

Lorna (Sutor) Pelton (BS '81, MS '86 animal science), Palco, owns Pride Livestock Company.

1982

Steve Ahring (BS agronomy), company agronomist for DeLange Seed in Girard, wrote *Forage for Kansas* to help seed retailers and producers better understand forage products and management.

1987

Julie Traxson (BS animal science) is a K-State Research and Extension 4-H Youth Development agent for the Wildcat District. She previously worked as the district's 4-H program assistant.

1993

Jackie McClaskey (BS agricultural economics) is the new deputy secretary of agriculture for the state of Kansas. She has served as assistant secretary of agriculture at the Kansas Department of Agriculture since January 2011 and previously as assistant dean for the K-State College of Agriculture.

1997

Jason Woodworth (BS, MS '99, PhD '02, animal science) is a research associate professor with the swine group in the Department of Animal Sciences and Industry.

1999

Shelby Wehrman (BS agricultural economics) and **Melanie (Thomas) Wehrman** (BS '00 agricultural economics), Rose Hill, welcomed their sixth child, Gracie Ann, on April 27, 2013. Shelby is a math teacher and assistant coach for football and track at Derby High School.

2001

Derek Klingenberg (BS agricultural economics) and his brother **Grant Klingenberg** (BS '06 agricultural economics) were featured in Kansas Profiles in April www.huckboyd.ksu.edu.

2002

Tryon A. Wickersham (MS, PhD '06 animal science) received the Distinguished Achievement Award for Teaching from Texas A&M University, where he is an associate professor in the Department of Animal Science.

2003

Chad Bontrager (BS milling science and management, MS '09 agribusiness) is the new assistant secretary for the Kansas Department of Agriculture. His previous position was agribusiness development coordinator for KDA. Bontrager replaced **Jim Riemann** (BS '66 agricultural education, MS '73 animal science, PhD '74 food science), who retired in August.

2006

Lori Bammerlin (BS animal science) is based in Council Grove as the 4-H Youth Development and agriculture and natural resources agent for the K-State Research and Extension Flint Hills District.



Craig Morris (MS '84, PhD '88 agronomy) was the inaugural speaker for the Department of Grain Science and Industry Distinguished Lecture Series. He is the director and supervisory research chemist at the USDA-ARS Western Wheat Quality Laboratory and editor-in-chief for the journal *Cereal Chemistry*.

Mindy Young (BS agricultural communications and journalism/animal science) and **Matt Young** (BS '06, MS '07 agricultural economics) announced the birth of their daughter, Mylee Ann, June 21, 2013. Both are K-State Research and Extension agriculture and natural resources agents — Mindy in Doniphan County and Matt in Brown County.

2009

Brandi Buzzard-Frobose (BS animal science/agricultural economics) is manager of issues communication with the National Cattleman's Beef Association.

Zachary Castle (BS horticulture) has been named a district manager in the Kansas City territory for Davey Tree.

2010

Trenton Hargrave (BS agribusiness) is a Kansas Farm Management Association extension agricultural economist in Abilene.

2011

Zach Simon (BS agronomy) joined the K-State Research and Extension – Sedgwick County office as an agriculture and natural resources agent. He had worked at K-State as an assistant scientist in sorghum breeding and as a wheat genetics lab assistant.

2013

Travis Carmichael (MS horticulture) is the K-State Research and Extension horticulture and community development agent in Lyon County. He has worked at several nurseries and greenhouses in the Midwest.

Kim Larson (MS agronomy) joined the K-State Research and Extension River Valley District as an agriculture and natural resources agent with a focus on crop production.

Leah Rutledge (BS horticulture therapy) has been hired as an assistant forester by the Kansas Forest Service to market the conservation tree program.

In Memoriam

John Gehrt (BS '75 animal science), 59, Alma, died March 25, 2013. He was a lifelong rancher as well as owner and operator of Gehrt Construction. He was a member of various associations related to ranching and construction and active in school, church, township, and county organizations.

Allen Janke (BS '78 agricultural economics, MS '80 secondary education), 79, Manhattan, died May 15, 2013. He grew wheat and ran a Grade A dairy operation on the family farm south of Chapman. He sold the milk cows to complete his education at K-State. He was a Kansas Farm Management Association agricultural economist in Holton 1980–1990.

John H. Landers Jr. (PhD '66), 92, Salem, Ore., died March 7, 2013. He served 27 years as an agricultural economics state extension livestock specialist at Oregon State University and ran the annual OSU sheep shearing school for decades.

Don McWilliams (BS '48 poultry science), 91, Quinter, died Nov. 23, 2012. He began working as the Logan County agricultural agent in 1956. He moved to Rawlins County in 1960, then to Wallace County in 1966, where he remained until his retirement in 1981.

James Nielson (BS '47 agricultural economics), 91, Lacey, Wash., died on March 18, 2013. After earning MS and PhD degrees from Harvard, he served on the faculty at Michigan and Washington state universities. He also was an administrator for USDA and the Agency for International Development in the U.S. State Department. He was the Distinguished Agricultural Economics Alumnus in 1982.

Edward Phillips (BS '75 agricultural education, MS '79 adult and occupational education), 60, Wamego, died May 25, 2013. He taught at St. George High School until 1976. He worked at Kaw Valley State Bank in Wamego for 28 years, retiring as senior vice president.

James Quint (BS '54 dairy production), 80, Sun City, Ariz., died Nov. 23, 2012. After completing an MS at Fort Hays State University, he was a teacher and guidance counselor at Chase County and Auburn high schools in Nebraska until his retirement in 1997.

Joe Robertson (BS '40 milling science and management), 95, Brownstown, Ind., died May 2, 2013. He came from a six-generation milling family and was a K-State basketball letterman. He told about visiting 160 countries in his book, *On Kilroy's Trail: A World of Travel*.

Ag Alumni Class Notes

If you prefer, fill out this form and return it to:

Gloria Holcombe
Department of Communications and Agricultural Education
309 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.

Agricultural Alumni Association Honors Three at Spring Event

Innovation



Greg Zolnerowich (L-R), professor of entomology; Justin Gilpin, CEO of Kansas Wheat; and Steven Hunt, co-founder of U.S. Premium Beef; were honored by the College of Agriculture Alumni Association on May 4 during Wild for Ag Weekend activities.

Steven Hunt, one of the founders of U.S. Premium Beef; Justin Gilpin, CEO of Kansas Wheat; and Greg Zolnerowich, professor of entomology, were honored for their innovative contributions to agriculture and Kansas by the College of Agriculture Alumni Association during its 12th annual Wild for Ag festivities.

Distinguished Alumnus

During a May 4 reception at the K-State Alumni Center, Hunt accepted the Distinguished Alumnus Award from board member Kelli Ludlum (BS '99 agricultural economics), Arlington, Va.

Hunt, Liberty, Mo., is an adviser to U.S. Premium Beef LLC. He helped found the company in 1996 and served as its CEO from its formation until January 2013.

After completing a bachelor's degree in agricultural economics in 1981, Hunt worked in many areas of

commercial banking, including direct agricultural lending, credit training, finance, international and commercial lending, and pursued his lifelong interest in production agriculture.

Hunt has held a seat on the National Beef Packing Company Board of Directors for 16 years and is active in various trade and civic organizations.

He was named the college's 2001 Outstanding Young Alumnus and the 2002 Distinguished Alumnus for the Department of Agricultural Economics. *Beef* magazine listed Hunt in its "Beef Top 40" of individuals who influenced the beef industry over the last 40 years.

Hunt credited his parents Don (BS '56 animal science) and Barbara, and his wife Mary as well as K-State faculty for his success.

"Bryan Schurle, professor of agricultural economics, and other teachers provided me with a sense of what I could accomplish and the tools to succeed," said Hunt.

Rewarded

Outstanding Young Alumnus

Kelsey Holste (BS '05 agribusiness, MS '09 agricultural economics), Manhattan, presented the Outstanding Young Alumnus Award to Justin Gilpin, a 1998 milling science and management graduate.

Since 2009, Gilpin has led Kansas Wheat, a cooperative agreement between the Kansas Wheat Commission and the Kansas Association of Wheat Growers.

He also serves as chairman of Heartland Plant Innovations and as a member of the Wheat Quality Council Board of Directors. Gilpin also holds an adjunct faculty position in K-State's Department of Grain Science and Industry.

Before accepting the CEO position, Gilpin worked at General Mills, Inc., where he coordinated logistics for three flour mills. From 2000 to 2006, Gilpin was an international marketing specialist for the Kansas Wheat Commission.

Gilpin has been involved in a number of U.S. Wheat Associates committees and is past-chair of the Kansas City Board of Trade Cash Basis Committee. He was recently recognized as an outstanding alumnus by the grain science and industry department.

"As a K-Stater, this award truly means a lot," Gilpin said. "I feel that I share this with the entire Kansas Wheat Innovation team because it is a true partnership between wheat farmers and K-State that is making a big difference in production agriculture."

Gilpin's family, many of them K-State graduates, were on hand for the award presentation.

Mugler Outstanding Teaching Award

Former Associate Dean Dave Mugler's favorite quote is, "They don't care what you know until they know you care." Since 1999, the college has presented an annual award to a teacher who emulates Mugler's philosophy.

K-State professor Shannon Washburn (BS '95 agricultural education, MS '99 secondary education) recognized entomologist Greg Zolnerowich with the David J. Mugler Outstanding Teaching Award.

Zolnerowich joined the K-State faculty in 1999 and currently teaches seven undergraduate and graduate courses. He is best known for the course Insects and People. His enthusiasm for the subject matter and creative teaching style consistently earn high evaluations from students.

"I actually get paid to play with insects," Zolnerowich said. "Today's population is more removed from nature, so it's important for students to know the good things that insects do."

He quoted W.B. Yeats as his inspiration, "Education is not the filling of a pail, but the lighting of a fire."

Zolnerowich received the 2012 K-State Presidential Award for Excellence in Undergraduate Teaching and the 2005 Commerce Bank Award for Outstanding Undergraduate Teaching.

In addition to teaching, he serves as curator for the K-State Museum of Entomological and Prairie Arthropod Research in Waters Hall. He also has earned \$1.3 million in grant funds for his research program on insect systematics.

Alumni Awards Nomination. Nominate someone or several for:

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

Criteria

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

- Submit a one-page nomination letter that describes how the nominee meets the award criteria.
- Include a resume, vita, or short biography.

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

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

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

Submit all nominations by Nov. 15, 2013, to:

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

Previous winners are listed on the College of Agriculture website.

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

Notes from Alums

THEN AND NOW

A brief history of how
campus buildings
evolve to agriculture

Thanks so much for the alumni magazine. Dorothy and I enjoy gardening and playing and singing country, gospel, and bluegrass music in church and jam sessions.

*Edgar Hinkle Jr., BS '52, MS '57
agricultural education
Salina, Kan.*

I very much enjoy reading the *KSU Ag Report* and watching the progress of KSU in teaching agriculture. It has changed vastly since I graduated. Thanks.

*Dale Fehrenbach, BS '73
agricultural mechanization
Chanbassen, Minn.*

I think the stone barn was in use until late 1977 or early 1978 by Dairy Sciences. I remember collecting specimens with Dr. George Ward in 1977.

Thank you.

*Phil Stroupe, '76, '77
animal sciences
Waukesha, Wis.*

The "THEN AND NOW" article was great. I enjoyed every bit of it. The pictures brought back fond memories.

My wife of 64 years Marjorie (Bunge) enrolled in the fall of 1944. She graduated — school of Home Economics, Clothing Retailing in May 1948.

I enrolled in January 1946 after an interview with Dean of Agriculture Throckmorton. I had just returned from two years in the European Theater Command (WW II) and was eligible for an education under the GI Bill. I soon had work at the cafeteria under Bessie working in the storeroom and serving banquets many evenings. I met Marjorie a few weeks after arriving on campus. We were married in September 1948. I completed my course of study (agronomy) and graduated in 1949.

Our classes were all held in their respective buildings — Math, English, Chemistry, etc. All ag-related classes were in either East or West Waters halls.

One memory not mentioned in the article was of U.S. Pres. Ike Eisenhower visiting his brother Milton Eisenhower, then president of K-State. We believe it was at homecoming time, fall of '47 and was related to the Danforth Chapel, possibly the groundbreaking

Thanks for the great memories.

*Sincerely,
Aubrey W. Bostwick
Salina, Kan.*

Additional entry for *Then and Now* article in the spring 2013 *K-State Ag Report*:

A barn and yard for swine nutrition experiments and two small barns used for cattle feeding experiments were removed to build Van Zile Hall, which was completed in 1926 and named for Mary Pierce Van Zile (class of 1929; Dean of Women, 1908-1940).

We want to hear from our readers. Send your comments to gloria@ksu.edu



K-State alumni found each other on an educational spring break trip to the Holy Land. Marie (Burgett) Amthauer (MS '80 secondary education), Verle Amthauer (BS '83, MS '86 agronomy), and Rev. Wayne Castle (BS '57 agricultural economics), Bonner Springs, Kan., were inspired to celebrate the K-State spirit at the River Jordan in Israel.

*Sent by Verle and Marie Amthauer
Junction City, Kan.*



Golf Tournaments Raise Scholarship Funds

Seven enthusiastic teams played in the inaugural Southwest Kansas Ag Alumni Scholarship Tournament hosted by the College of Agriculture Alumni Board at the Golf Club at Southwind in Garden City on July 19. The proceeds will fund six \$750 scholarships.

"There was a lot of positive response in hosting an event in Garden City, and several of the teams said that they look forward to playing in the tournament again," said Kelsey Holste, (BS '05 agribusiness, MS '09 agricultural economics), Manhattan. "I am in the process of setting a date for July 2014."

Although the existing tournament in May has been successful, Holste realized that most participants and sponsors were in the northeast part of the state. Board members Russ Brown (BS '91 animal science), Wichita, and Holste looked for an opportunity to engage alumni in the southwest corner of the state.

"We presented our idea to the board in August 2012, and the board put together a committee to research potential activities," Holste said. "We looked at ranch rodeos, golf tournaments, shooting events, and were open to other options. The board discussed and approved the golf tournament idea at our February meeting."

Holste worked with Southwind to set a date and establish the initial details. Holste and Brown plus Suzanne Ryan (BS '04, MS '07 animal science), Platte City, Mo.; and Keith Bryant (BS '05 animal science) and Nicole (Harris) Bryant (BS '01 animal science), Scott City; worked diligently to find sponsors and teams to play. Sandy Klein, event coordinator for the College of Agriculture, played a big part in finalizing the logistics and was able to spread event details to alumni.

The May 3 Ag Alumni Scholarship Golf Tournament was a success, with 17 sponsors and 18 four-member teams. It raised enough money to fund at least five \$750 scholarships.

Mark your calendar for next year's Wild for Ag Weekend May 2-3, 2014, in Manhattan, and watch for details about the southwest tournament in July.

Southwest Kansas Ag Alumni Scholarship Tournament Sponsors



Pratt Energy • Stevens Veterinary Services • Reeve Cattle Company • Finney County Feedyard

Learn how K-State Ag has changed over the years
 Watch YouTube videos produced by current K-State students



www.youtube.com/kstateag



Tailgate Party in Cat Town

Football with free food, fun, and fellowship.

Saturday, November 2. Starts two hours before kickoff of the K-State vs. Iowa State game.