

# AgReport

K-State College of Agriculture • Spring 2010



K-State Baker Shares Techniques with Local Grocer



To say that 2010 was off to an interesting start would be an understatement. On the first working day of the year, we learned that Fred Cholic had accepted the position of president and CEO of the KSU Foundation. We wish Fred well in his new role as he continues to provide outstanding service and leadership in support of K-State.

I assumed the role of interim dean and director on March 1. I expect to hold this position for six to nine months, while a national search is conducted for a new dean and director.

I joined the K-State faculty nearly 21 years ago as an assistant professor in the Department of Agronomy. Most recently, I was agronomy department head and will return to that role when my interim term is complete.

Mickey Ransom, professor and assistant head of teaching for agronomy, is the acting head of agronomy.

As I transition into the new role, I recognize the breadth and scope of the organization and its outstanding faculty, staff, and students. It is a privilege and honor to lead such an organization, and I appreciate the opportunity. I also pledge my support in the recruitment process for the new dean and director.

The position is a premier spot across the land-grant system, and I will do everything possible to attract an outstanding pool of candidates.

My experience in agriculture is extensive. I grew up in rural Michigan. Although my family was not directly involved in farming, I worked on farms while attending Michigan State University. Most of my work experience was on a large certified seed farm; however, I also did chores on a dairy farm, baled lots of hay and straw, and even cared for horses.

My graduate training was in soil science, and I have worked on many topics including soil fertility, water quality, soil remediation, and environmental issues related to the livestock industry.

As department head, I worked closely with various commodity groups, on- and off-campus faculty, state and federal agencies, K-State Research and Extension staff, and students. While I have a lot to learn, I feel well connected to the land-grant mission and firmly believe that we offer incredible value to all citizens.

The College of Agriculture and K-State Research and Extension face significant challenges, especially budget issues. However, the need for agriculture will continue to increase, and we will do our best to meet the needs of the state, nation, and world. The contents of this issue highlight some of the great things we do.

Since this is the first issue of Ag Report solely in electronic format, please use the "contact us" button on the magazine Web site [www.ksre.ksu.edu/agreport](http://www.ksre.ksu.edu/agreport) to submit your comments, class notes, and address changes.

I appreciate your interest in our programs and look forward to hearing from you.

Gary Pierzynski  
Interim Dean and Director

# K-State College of Agriculture AgReport

Spring 2010

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

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## On the cover

Dave Krishock (right), K-State bakery instructor, shows Robert Floersch, co-owner of Ray's Apple Market, how to score French bread.

Photo by Bob Holcombe

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### KABSU Has New Facility

The first phase of the new KABSU (Kansas Artificial Breeding Service Unit) barn was completed in August 2009. The K-State facility offers four options for bull semen collection and also has storage and shipping options. The new location – 3171 Tuttle Creek Blvd. – is north of main campus, near the animal science livestock units complex and allows direct access from Highway 24 (Tuttle Creek Blvd.). The second phase of construction is in progress. When completed, it will house 24 bulls.

For more information, go to [www.asi.ksu.edu/kabsu](http://www.asi.ksu.edu/kabsu).



### Kansas 4-H Photos on Display

Award-winning photographs by Kansas 4-H'ers – Jake Birkhard, Derby; Jacob Dietrich, Wamego; Glen Coffman, Quenemo; Sarah Karns, Holton; and Kayla Dowell, Manhattan – are on display in K-State President Kirk Schulz's office. The 4-H'ers presented the photos to Schulz during National 4-H Week. Photos previously displayed at the Kansas State Fair also hang in the State 4-H Youth Development Office and offices of U.S. Sens. Pat Roberts and Sam Brownback; U.S. Reps. Jerry Moran, Dennis Moore, Todd Tiahrt, and Lynn Jenkins; and Gov. Mark Parkinson.

Kansas 4-H Foundation also uses photos by Kansas 4-H'ers in various printed materials – such as the 4-H calendar, 4-H Journal, and Foundation Fundamentals – and a 36-photo display at Rock Springs 4-H Center.



### Kansas Forest Service Reaches Century Mark

In 1909, Gov. Walter R. Stubbs created a forestry division at K-State.

"We're still understaffed and underfunded, much as we were in 1909," said State Forester Larry Biles. "Looking back, though, the Kansas Forest Service has plenty of reason to be proud. Professional forestry has had a profound impact in the state. It's touched many thousands of peoples' lives and improved both the livability and the sustainability of Kansas itself.

"With our move to K-State, professional forestry shifted from being governmental to being oriented toward science, education, and service," Biles said.

Today, the Kansas Forest Service offers regular workshops and field days, plus professional plans and technical help for landowners, rural firefighters, arborists, timber/nut growers and processors, city tree boards, wildlife promoters, teachers, and anyone with property next to a stream or river.

The service helps connect Kansans to surplus firefighting equipment and government cost-share programs. It grows thousands of low-cost tree and shrub seedlings for conservation plantings.

Descriptions of such programs and lists of forestry-related resources are on the Web at [www.kansasforests.org/](http://www.kansasforests.org/).



## Grains for Hope Expands Focus to Haiti



Trenton Huber (left), a junior at Sabetha High School (SHS), and his father Gordon Huber, owner of consulting firm XIM Group, are processing a rice-shaped product at the K-State extrusion lab. The corn- and wheat-based product is fortified with vitamins and minerals and will be shipped to Haiti.

This is an expansion of a project started eight years ago by Carol Spangler and students at SHS. Grains for Hope

is a nonprofit organization that has sent several tons of food products to Mozambique. The organization represents a partnership among SHS students and faculty, noted extrusion and food science experts and companies, grain companies, researchers at K-State and the University of Nebraska-Lincoln. Private donors also provide support.

K-State provides the time and equipment to produce the products.

Trenton's older brother, Tyler (BS '08 food science) also worked with the Grains for Hope project.

Trevor Huppert, freshman in food science from Sabetha, was involved with the project in high school and now works at the extrusion lab, which is located in the Bioprocessing and Industrial Value-Added Program building north of Bill Snyder Family Stadium.

The extrusion lab is part of the Department of Grain Science and Industry, and is supervised by Sajid Alavi, associate professor, with assistance from Eric Maichel, operations manager.



## PRIDE Turns 40



The Kansas PRIDE Program is celebrating its 40th year of service. Since 1970, K-State Research and Extension and the Kansas Department of Commerce have partnered to assist 392 Kansas communities.

During the 2008-2009 program year alone, Kansas PRIDE volunteers raised \$900,712 and partnered with 644 other organizations to complete 1,216 community improvement projects, said Dan Kahl, K-State's PRIDE Program coordinator. Volunteers invested more than 85,231 hours – the equivalent of 10,654 eight-hour workdays or 41 years of full-time work.

"Projects vary among participating communities, and most PRIDE organizations encourage youth and

adult partnerships," Kahl said. "Children and teens who learn to give back to the community are more likely to do so later in life."

"The PRIDE program provides structure and guidance for community members to organize and connect with their local government by creating a forum to identify and discuss shared values and goals."

"The fact that community needs vary is part of why the program continues to work well. Bringing people together, deciding their priorities, and creating positive action for the future of the community – that is what PRIDE does."

For more information, go to [www.kansasprideprogram.ksu.edu](http://www.kansasprideprogram.ksu.edu).

# 25 Years of Service to Cooperatives



Cooperative grain elevators – the tall white “Castles of the Plains” that are such a familiar site in Kansas – play an important role in the Kansas agricultural economy. K-State provides education and research-based information to the leaders, employees, and farmer-members of the agricultural cooperatives that own and operate those elevators.

For 25 years, K-State’s Arthur Capper Cooperative Center (ACCC) has been educating students, conducting research, and sharing knowledge with leaders of agricultural, electrical, and financial cooperatives.

“The center was established in 1984 as a public-private partnership

between K-State and the Kansas Cooperative Council, the agent for cooperatives,” said David Barton, professor of agricultural economics and ACCC director.

Barton, who organized the formation of the center, explained that it bears the name of former Kansas Sen. Arthur Capper, a prominent figure in the history of agricultural cooperatives.

“The center’s primary goal is to help people understand the nature and role of cooperatives in our society,” Barton said. “We focus first on educating K-State students and leaders of Kansas cooperatives, and we work with students and cooperative leaders in many other states and

in some other countries.

“For the last 10 years, finance, strategy, and governance have been the most significant issues. Now risk management and human resource management have risen in importance for both cooperatives and individual farmers.”

Former K-Stater Terry Kohler (BS ’80 agricultural economics), general manager of Farmers Cooperative Elevator at Garden Plain, is a strong supporter of education for cooperative leaders. The board at his cooperative requires directors to complete the Director Development Program, a four-course leadership education program, during their first three-year term.





Ashley Guenther, senior in agricultural communications and journalism and agricultural economics, participated in a summer internship with CHS in Inver Grove Heights, Minn.

Photo by David Lundquist, CHS

Kohler became involved with the ACCC while serving on the Kansas Cooperative Council board. He now chairs KCC's development campaign to raise funds for the center and serves on the center's 15-member advisory council.

"The center has been very important in the education of cooperative leaders in dealing with timely issues and subjects," Kohler said.

Michael Boland, professor of agricultural economics and associate director of the center, leads the student-related educational activities.

"Cooperatives are major employers in rural Kansas communities," said Boland. "In my class, I integrate case studies to help educate students about cooperatives. I also teach center programs and help lead program development."

In addition to class work for students, the center offers internships and scholarships. Jeff Bechard (BS '86 agricultural economics) participated in the first ACCC co-op student internship, which he spent at Farmway Co-op in Beloit. He now is the president of AgMark LLC, a grain marketing company with headquarters in Beloit.

"I appreciate the center's high-quality educational programs, such

as the CEO Roundtable for Cooperative Managers," commented Bechard. "The generous scholarships provided to college students are another terrific benefit."

*"The center has been very important in the education of cooperative leaders in dealing with timely issues and subjects."*

The ACCC has awarded \$314,700 in scholarships since 1985. Ashley Guenther, a senior who is majoring in agricultural communications and journalism and agricultural economics, is one of the students benefiting from an ACCC scholarship and a co-op internship. She received the Otis and Mary Lee Molz Cooperative Scholarship.

"The Molzes are respected leaders in the state, national, and international co-op community," Barton said. "Now, they're encouraging the next generation. They established the annual scholarship in 2005 and

actively participate in the interview and selection process."

"Having Mr. and Mrs. Molz involved in the interview process made receiving this scholarship more valuable to me," Guenther said. "I was able to openly share my career passions and lifetime goals and visit with two amazing stewards of the educational community."

"My hope is to work with agriculturalists in third-world countries, and the Molzes have done that. I was very impressed by their care and concern for me as a student and as a future leader in agriculture."

Last summer Guenther interned at CHS, a Fortune 500 company owned by U.S. local agricultural cooperatives and producers, and the largest regional agricultural cooperative in the country.

"During my summer at CHS in Minnesota, I split my time between the marketing communications group and the CHS Foundation," Guenther said.

As part of her duties, she helped with the filming of a tribute to the Arthur Capper Cooperative Center and the educational partnership with CHS, shown at CHS's annual meeting.

The short video combined interviews with Fred Cholick, former dean of the College of Agriculture; David Lambert, head of the Department of Agricultural Economics and vice-chair of the advisory council; Barton; Boland; and students Aaron Sylvester and Guenther to highlight the value of the K-State partnership with CHS.

For more information about the Arthur Capper Cooperative Center, go to [www.accc.ksu.edu](http://www.accc.ksu.edu).





Amanda Lindahl (BS '08 bakery science and management) and Dave Krishock, bakery management instructors, work with Ray's Apple Market employees in K-State's baking lab to help them improve their bakery products.

Maggie Weeks (BS '09 bakery science and management and Ray's Apple Market employee), prepares to bake focaccia, a flat Italian bread usually seasoned with olive oil and herbs.



# FLOUR POWER

When the Floersch family, who own grocery stores in Manhattan and the surrounding area, wanted to improve their bakery products, they turned to K-State's Department of Grain Science and Industry for help.

Employees from Ray's Apple Market worked with bakery science instructors Dave Krishock and Amanda Lindahl to perfect and test new bread recipes. Maggie Weeks, one of Krishock's former students, has developed several new bread recipes for the grocery chain.

Photos by Bob Holcombe and Dan Donnert



Dave Krishock, bakery instructor, shows Ray's Apple Market staff how French bread should look before baking.

Krishock compares products from two batches to show how slightly adjusting the recipe made a significant difference in the product's height and texture.



Maggie Weeks (left), and Becky Buchanan season focaccia before baking at Ray's Apple Market.



Weeks, K-State bakery science alumna and baker for Ray's Apple Market, scores French bread before it is baked in the K-State baking lab.

Dave Krishock explains how sponge (prefermented dough) is used.



(Left): Weeks prepares an apple bread recipe that she developed.



(Right): Weeks adds sponge (prefermented dough) to the final mix of her apple bread batter.



# A Strong *K-State* Tradition

Fifth-generation farmers Kevin and Vera Schultz have strong ties to their community, their family, and to Kansas State University.

Since 1869, Schultz descendants have lived on the land Kevin's great-great-grandfather homesteaded near Haviland. The family business has evolved into Sandhill Farms, a purebred Hereford and crops operation, with their children – Tyler, Courtney, and Brooke – and Kevin's parents, Arnita and Ron.

"Dad and I work together," said Kevin. "We share equipment and labor expenses for the crops – irrigated and dryland – and livestock. If it weren't for the beginning of the family operation,

it would be difficult to get started in the farming business because of the start-up capital required."

They admit that farming has changed a lot in the last 25 years, especially the technology.

"Combines used to be run by levers and belts; now they're computerized," Kevin said. "Now it's a different type of business, with more management involved."

Ron agreed. "I used to get up early, get on the tractor and run until dark. Now when you get out of the field, you still have irrigation systems to check."

#### Fourth Generation Alumni

Kevin and Ron are both Department of Animal Sciences and Industry

graduates and their wives, Vera and Arnita, both earned degrees in elementary education.

The family's history with K-State goes back to 1905, when Arnita's grandmother took domestic science courses. Arnita's father graduated in 1936 with a degree in agricultural economics.

"I graduated 25 years after my father," Arnita said. "Kevin graduated 25 years after me, and his daughter Brooke is on track to complete her degree 25 years after Kevin."

"When I started looking at colleges, Mom said it was my choice," said Brooke. "My dad was supportive but jokingly added, 'You can go somewhere

K-Staters Vera, Kevin, Arnita, and Ron Schultz own and operate Sandhill Farms near Haviland.





else, but you would have to change your name.”

She chose K-State and initially majored in interior design. After one semester, she switched to horticulture, specifically landscape design. With this option she gets to design, choose the plant materials, and learn how to install items such as pavers and irrigation.

Brooke will be attending PLANET Student Career Days in Atlanta, Ga., in April. She said her adviser, Greg Davis, calls it the Olympics of horticulture and a great way to meet future employers. She will intern at Heads Up, a landscape contractor in Albuquerque, N.M., this summer.

She expects her brother and sister to continue the family's K-State tradition.

### Service to the Community

In addition to being K-State alumni, the family participates in various K-State Research and Extension activities. They have a long history of service through 4-H activities. Brooke, Tyler, and Courtney belong to the same club as their father – Sunflower 4-H Club in Edwards County. Brooke has held nearly every office, and her siblings are following her lead. They have taken a broad range of projects, including beef, photography, sewing, horse, and rocketry. Kevin, Vera, and Arnita have served as fair superintendents for various projects.

In 1990 Ron, Arnita, and their family were honored as Master Farmer/Master Farm Homemaker for their region. The program – cosponsored by K-State Research and Extension and *Kansas Farmer* magazine – honors outstanding leadership in agriculture, environmental stewardship, and community service. Arnita's parents, Alvin and Louise Otte, received that designation in 1963.

The family also is involved with the Junior Hereford Association. Tyler and Courtney serve on the organization's board.

Brooke described her family as “always willing to help where needed.”

### Benefits from K-State Research

To remain profitable and up-to-date on crop and livestock trends, Kevin and Ron have participated in several K-State studies on managing grassland and stocking rate – how to determine the optimum number of cattle that can efficiently graze on an acre of pasture.

Kevin also stays in contact with K-State beef researchers, including animal scientist Dan Moser.

“Kevin's grandfather and father built a quality herd,” Moser said. “But Kevin has taken those cattle to a whole new level. Sandhill Farms is one of the


premiere cattle operations in the nation. They had been selling bulls regionally for quite a few years. Now they have an annual bull sale that draws buyers from across the nation.

“It helps our research program to work with producers like Kevin. They help guide the direction for our research. And it's exciting for us to know someone is waiting for our research results.”

To view a slide story about the Schultzes, go to [www.ksre.ksu.edu/slidestories](http://www.ksre.ksu.edu/slidestories). For more about Sandhill Farms, go to [www.sandhillfarms.com](http://www.sandhillfarms.com).



K-State President Kirk Schulz visits with Brook Schultz at a reception he hosted for Ag Ambassadors in the K-State Alumni Center.



Clyde W. Mullen, assistant dean of agriculture, sent newsletters to students, faculty, and alumni serving in the military during World War II.

# Keeping in Touch with Family

Photo courtesy of University Archives



Douglas George (BS '49 animal science) shared copies of several newsletters written by C.W. Mullen (CWM), assistant dean of academic programs, and his secretary, Gertrude Wheeler (GW). The newsletters were sent to students, alumni, and faculty serving in the military during World War II.

The newsletters dated Dec. 23, 1943; March 1, 1944; and Oct. 15, 1944, were typed on legal-size paper. Some were as long as 18 pages. They were hopeful yet sad, informative and sometimes humorous. Some of the comments could be made today, some comments clearly reflect the times. All show the deep concern and sense of family still visible in the College of Agriculture.

The newsletters, referred to as NL in the text, were compiled from letters, personal visits, and newspaper articles. They listed news from servicemen and servicewomen in alphabetical order to make it easier to search for names.

The newsletters arrived at points across the globe at different rates. Mullen noted, "We are a month's distance (sometimes longer) by mail from all of our boys in India, China, Australia, points in the Southwest Pacific and from the boys at sea for whom mail delivery is uncertain. Letters from Alaska and the Aleutians make pretty good time. We are hearing from no one in Iceland. Mail from England, Ireland, and North Africa comes through in 10 days to two weeks."

In addition to letters, soldiers sent service patches to Mullen and Wheeler. One newsletter mentions "54 bright patches covering nine square feet on Mrs. W's office wall."

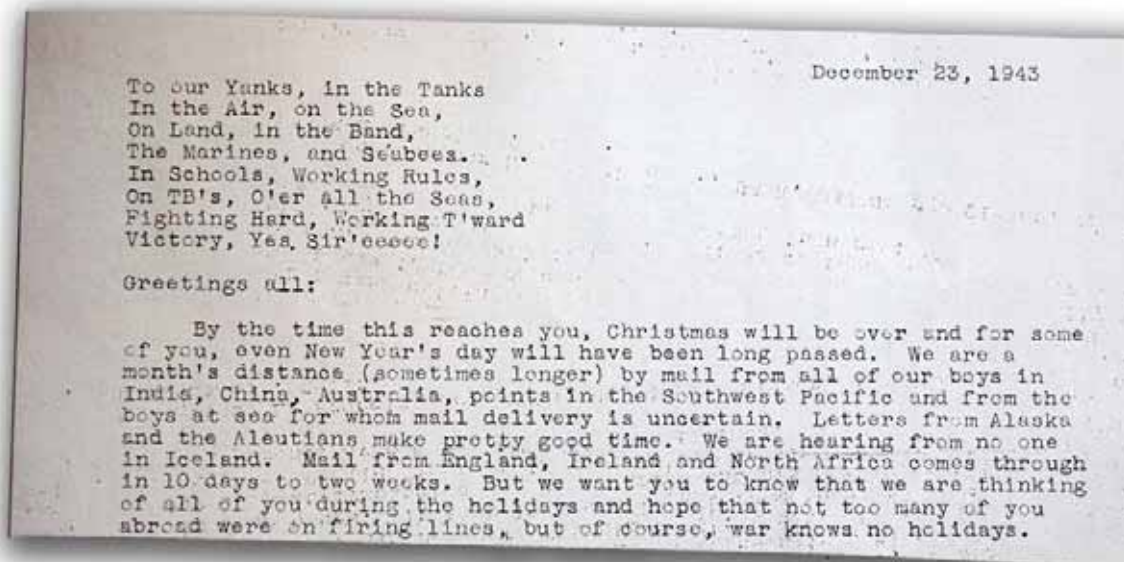
When John Weddle (BS '41 ag-

ricultural economics) wrote asking how the newsletter was put together, Mullen replied, "As each letter comes in, it is abstracted either by CWM or GW, depending on who the letter is addressed to. The little

who have written."

One issue noted that "the NL went to 48 foreign addresses and more than 100 domestic addresses."

The following entry shows the newsletters were deeply appreciated.



paragraph is then filed alphabetically in a card index for easy reference if another letter comes through from the same man before the next NL is run. When time comes to

*We hope we can  
transplant all of you boys  
for a few minutes to one  
of the bright events on  
the campus ...*

run the next letter, CWM writes the leadoff and GW adds any note she may care to add. Then GW cuts the stencils, which is a job. If we have someone working in the office, that person turns the letter off the mimeograph, assembles and may fold and stuff the more than 200 envelopes. Both CWM and GW try to get off an in-between letter to all

"Lt. R.N. Phillips wrote from Italy to know when our vacations would be over and another NL be coming along. Well, soon as we received his letter, we got busy and turned out the Aug. 15 issue. ... He declares he looks forward to the NL as eagerly as he does for letters from his wife. We doubt that."

The newsletters provided addresses and encouraged soldiers to keep in touch with each other, especially those overseas, "... the fellows who want letters worse than anyone in the service ... Let's turn loose an avalanche of letters on them."

### Reminders of Campus

The newsletters included information on what was happening on campus in hopes of reminding them of a more carefree time.

"We hope we can transplant all of you boys for a few minutes to one of the bright events on the campus which occurred on the evening of January 28. This was the alumni banquet for seniors who would receive their degrees the following



Gertrude Wheeler Musil, who worked in the dean's office, compiled and printed newsletters for soldiers with K-State ties.

day, 101 of them – 11 ags.”

The letter described who was there – including a record of deans that reads like a list of K-State buildings: Seaton, Ackert, Call, Dykstra, Justin, Kenney Ford – the menu, the songs they sang, and the speech by K-State President Milton Eisenhower.

“When President Eisenhower was finally presented, he talked informally as he always seems to do. You feel very close to him when he speaks.”

Eisenhower asked the graduates to write to him about their experiences on campus and any suggested improvements. He also asked them to keep in touch and let him know how their education benefited them. Students now keep in touch with administration by Facebook, Twitter,

and e-mail.

The newsletters reinforce how the K-State campus has changed over the years, including how some of the existing buildings were used. For instance, the upper floor of Waters Hall was used for housing. “The last group of ROTC men, between 45 and 50 of them, has been quartered on the top floor of W. Ag (Waters Hall), beginning with the big room 312 and through all the rooms to the NE corner.”

#### Sharing Stories

The newsletters shared amusing stories. For example, “A group of Yanks had returned from a skirmish on top of a hill in Africa. One of them made this remark in the presence of an English soldier, ‘Man, it’s hotter than hell up there.’ The Eng-

lishman pondered the situation a bit and said, ‘By jove, you Americans have been everywhere, haven’t you.’”

From the March 1, 1944, newsletter: “For you boys who are in Europe, when you see General Eisenhower, you can talk to him about Manhattan, because he was here at mid-January. ... From what we can hear about the general, he wouldn’t be averse to sitting down on a stump with a Kansas man to spin a couple of yarns about good old Kansas almost any time, but don’t bother him about it right now. He’s making big plans, terrible plans, plans that we don’t like to think about because we know what it means to some of our boys who are training for invasion.”

#### Agriculture Always on Their Minds

For some, agriculture was never far from their thoughts. Darold Dodge (BS ’41 agricultural economics, MS ’47 agronomy) wrote from Africa, “The county is interesting. Crops are similar to ours and on the other hand so different. Get a kick out of walking through the country and noticing agricultural conditions.”

Carroll Mogge (BS ’47 poultry science) wrote about receiving a letter from his dad about a big wheat crop and needing help. “Within two hours after I got his letter, I was called to the personnel office and told to be ready to leave for home by 1 o’clock the next day. You could have knocked me over with a feather, but I recovered and didn’t argue. I got home and had a great vacation helping dad harvest.”

Paul Kelley (BS ’43, MS ’46, agricultural economics) wrote about visiting a dairy farm on an island with Bill Mudge (BS ’42, PhD ’66 animal science, MS ’57 dairy production). “Here we were, two sailors on a farm on liberty and Bill tried



to get me up at 4:30 in the morning to see the Jerseys get milked. Being a good economist who couldn't see how getting up at 4:30 would change the price of butter, I told him I'd see him later, so I proceeded to go back to sleep. Crawled out at 6:30 in time to see Bill heading back from the barns."

### The Hardships of War

One newsletter recounted how Lt. Lois McKenzie, wife of Lt. Nolan McKenzie (BS '41, MS '47 agricultural economics), was on a plane headed from Sicily to Italy that encountered a bad storm and flew blind for three hours. When fuel got low, they landed in a field not knowing what country they were in. When they exited the plane, they were met by people with guns

but not in uniform. They eventually found out they were in Albania. They estimated covering 700 miles, much of it by foot, in 60 days to reach Italy.

The newsletters mention that four departments – agronomy, animal husbandry, dairy husbandry, and horticulture – had prisoners of war from Fort Riley working on campus.

Mullen reported that they didn't cause any trouble and ate in the main dining hall behind a screen; however, they did view the war differently. "They don't believe Paris has fallen and some cannot understand how New York has been rebuilt so completely and perfectly after having been wrecked by German bombs!"

### Sports – Always Important

Like today, students and alumni love to hear about K-State sports. These notes were in the Oct. 15, 1944, newsletter:

"Many of you have heard how our game September 30 with Wichita came out. They won, 6-6. We say they won because they were as happy as though they had won and, according to sports forecasters, we were supposed to beat them at least two touchdowns. You should have seen our boys fumble on three occasions when they were within 15 yards of the goal line."

A soldier suggested, "Why not maintain a good reputation for the college scholastically plus a football team that we won't have to apologize for everywhere we go. A good football team would help the morale

## World War II Gold Star Members Alpha Zeta



Capt. J. Edward McColm  
Army  
Killed in Action  
Pacific Area  
Dec. 24, 1941



Lt. William G. Alsop  
Army Air Force  
Killed in Action India  
Dec. 12, 1942



Cpl. Forrest F. Freeman  
Army Air Force  
Lost in plane crash  
U.S.  
July 1943



Capt. Raymond R. Rokey,  
Army  
Killed in Action France  
June 1944



Lt. Joseph Zitnik, Army  
Lost in Action  
Holland  
Oct. 1944



Lt. Donald F. Irwin  
Army  
Killed in Action  
France  
Oct. 1944



Lt. William H. Winner  
Navy Air Corps  
Killed in Action  
SW Pacific  
Oct. 1944



PFC William F. Driver  
Army  
Killed in Action  
Germany  
March 31, 1945



Lt. Roy T. Kinkaid  
Army Air Force  
Lost in Action  
Pacific Area  
June 22, 1945



Sgt. Milton Woodrick  
Army Air Force  
Killed in Action  
Mindoro Philippines  
June 22, 1945

At right, the cover photo from a 1943 *The Agricultural Student* with this caption: "An officer in the Air Corps is a long way from training in cereal chemistry in the Department of Milling Industry, but that's where Lt. Dean Nelson, M. I. '41, is now. Nelson, a recent visitor on the campus, is doing some greeting and visiting. Shown in the picture are Elwin Todd (shaking hands) while Donald DuBois and Prof. R. O. Pence look on. DuBois graduated last year and has been on the campus doing some research for the company he is working for."

of the alumni as well as the students and would help draw students."

Athletic directors were a topic of discussion then, too. "Who should succeed Mike Ahearn as director: It is said that those who must make the decision might like to know what former students and alumni think about it. ... It is frequently conceded that former students and alumni have a bit of a stake in the athletics of their alma mater ... Anyone want to say something on the subject?"

### Familiar Names in the Letters

Some names in the newsletters would be familiar to current students and faculty.

James Cavanaugh (BS '42 dairy production) was featured in the fall 2007 Ag Report for his work in the dairy industry and for choosing the first Elsie for Borden's at the 1939 World's Fair.

Arlin Ward (BS '42, MS '51 milling science and management), Joe Jagger (BS '43 agronomy), and Carl Overley (BS '46 agronomy) have wheat varieties named in their honor. In 2009, Kansas Agricultural Statistics Service reported Overley as the most popular wheat variety, with Jagger at No. 5.

Oscar Norby (BS '42 agricultural economics) served K-State Research and Extension for 20 years as an agent, Kansas Farm Management Association fieldman, area director, and assistant director for extension.

Harold Myers (BS '28 agrono-



my) was head of the Department of Agronomy from 1946 to 1952. His photograph hangs in 2002 Throckmorton Hall.

### Remembering the Fallen

Some soldiers never got the chance to fulfill their potential. Mullen eloquently wrote of one such soldier.

"Refined, courteous, artistic, a

*Some soldiers never  
got the chance to  
fulfill their potential.*

musician, friendly – those are the qualities and characteristics by which all of us remember Forrest Freeman. The catastrophe of war has ended the life of another of our fine, promising boys. Our eyes moisten as we write these lines and as we envision all our boys who have so far given their lives in eternal sacrifice."

The newsletters also included where people were stationed, transfers and promotions, what train-

ing they were receiving, marriages, medals earned, veterans returning to campus, those reported as missing in action or prisoners of war. Occasionally, they could report that a soldier listed as MIA, such as Evans Banbury (BS '40 agricultural economics), had written and was OK.

When it looked like the war was winding down, Mullen sent individual letters to servicemen with comments from each department head about the job prospects for college graduates in their major. Douglas George shared one of those letters dated Oct. 2, 1944.

George also mentioned that several issues of the student magazine (1941-1943) featured stories and photos of soldiers with ties to K-State and agriculture. The magazine, then called *The Kansas Agricultural Student*, is still produced as the *Kansas State Agriculturist*.

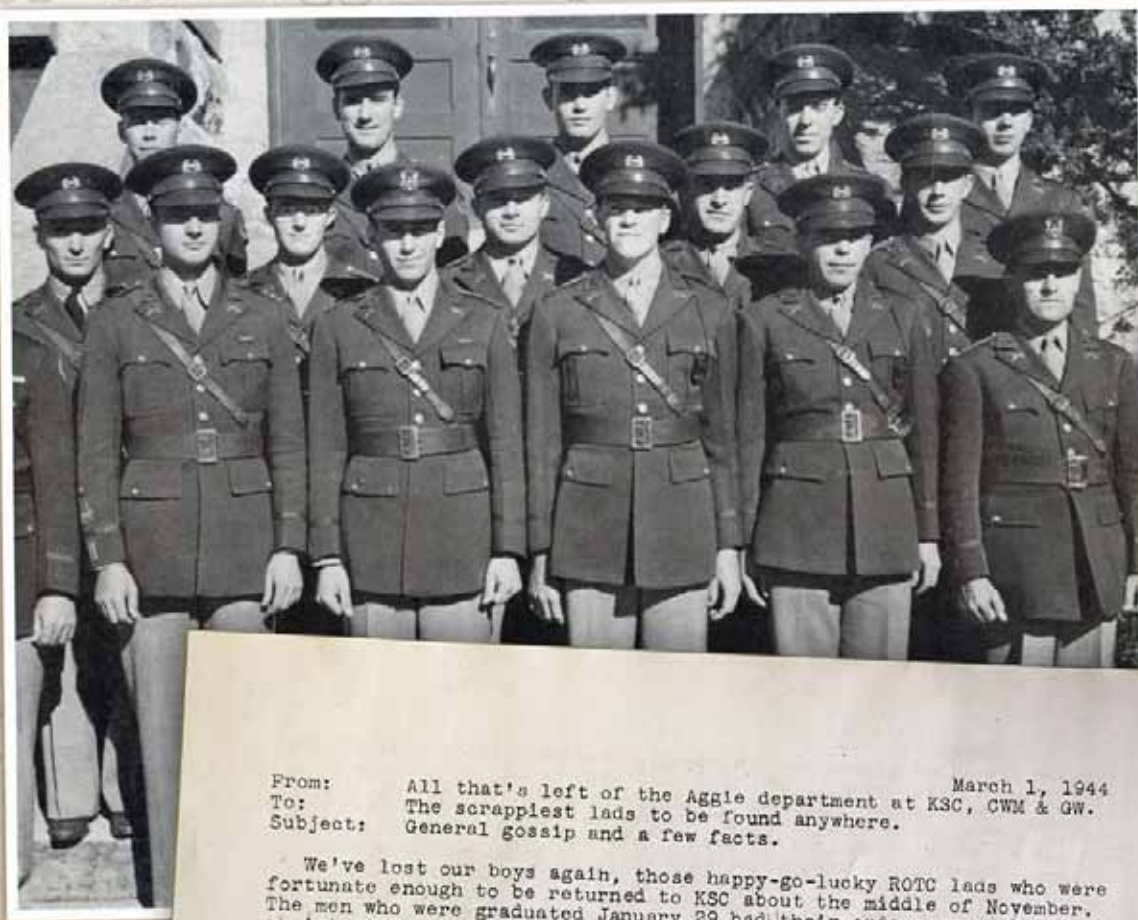
Thank you to Douglas George for sharing these newsletters. University Archives in Hale Library now has copies, and the letters will be placed in the Weber Hall student reading room.



**Gertrude Wheeler Musil** retired in 1948 after 23 years in the dean's office. In response to the newsletter she and Mullen produced, many soldiers sent her their distinctive shoulder patches. At final count, she had more than 175. The retirement tribute in *The Kansas Agricultural Student* described her in these terms: Mullen's right-hand woman, unofficial counselor, friend to all who know her. After she remarried in 1945, she said, "One of the most compelling forces keeping me working was my desire to see the boys come back to school after they were discharged. By now most of them who are coming back have re-entered school and many have graduated."

**Clyde W. Mullen**, a native Kansan, received a master's degree from K-State in 1917. He taught one year in the Department of Agronomy, then spent 18 years on the staff of *The Farmer-Stockman*. For seven of those years he was the county preacher on the magazine's radio gospel hour.

He returned to K-State in 1937 as assistant dean of agriculture. During his tenure, he also served as acting dean of agriculture, experiment station editor, and sponsor of *The Kansas Agricultural Student*. In 1957, students gave him a plaque for "being ever ready to give selflessly of his time and talents to help students."



Cover of the December 1942 *The Agricultural Student*. Courtesy of University Archives

From: All that's left of the Aggie department at KSC, CWM & GW. March 1, 1944  
 To: The scrappiest lads to be found anywhere.  
 Subject: General gossip and a few facts.

We've lost our boys again, those happy-go-lucky ROTC lads who were fortunate enough to be returned to KSC about the middle of November. The men who were graduated January 29 had their orders promptly to go on into OCS. The others were all nicely started on assignments for this second semester, when orders began coming through. John Lawrence got his soon after enrollment. Then February 15 at 4 o'clock the others were assembled and the order was to ship out in 28 hours for Benning. There were some hurried goodbyes and long-distance calls to wives, sweethearts, and parents. You see Harold Riley and Eldon Reichart were both married near the holidays and some of the other boys were already married. We regretted to lose them all and there is no denying they hated to go, but they were all good soldiers and told us good-bye with smiles on their faces and with firm grips of assurance as we shook hands here in the office. Five of the boys didn't even take out assignments for the second semester: Flipse, Hanser, Leker, Muse and Pitts were ordered to OCS at the end of the first semester. Flipse into armored training and the others to artillery.

Following are the boys who took out assignments and left us February 16: Boller, Borhardt, Cowger, Goyen, Griffith, Lawrence, Massey, Montgomery, Reichart, Riley, Sidfrid, Werts, and Wieland. Joe Chilen did not go at this time on account of a broken arm. He will probably go in about two weeks.

We hope we can transplant all of you boys for a few minutes to one

A degree in agronomy prepares students for various occupations

# Multiple Paths

More than four years ago, and months before beginning her first semester at K-State, Jenae Skelton had an epiphany.

The Larned farm girl knew she loved agriculture and considered studying genetics. But she was less certain when faced with making a decision that would affect her future career. Then she met Mickey Ransom, professor and acting head of the Department of Agronomy.

"He talked to me about the department's option in plant science and biotechnology," Skelton said. "I thought, Oh my gosh, that's what I want to do."

In May, Skelton will enter a master's program at Purdue University, well on her way to a promising career in plant biotechnology. A majority of K-State agronomy graduates have similar stories.

Dana Minihan, an instructor and assistant academic coordinator for the department, notes that before they graduate more than 95 percent of agronomy students either have jobs, are pursuing graduate studies, or are planning to return to production agriculture.

"Many times, our students have their first full-time position lined up months before graduation," Minihan said.

Jenae Skelton, senior in agronomy from Larned, works for Dana Minihan, assistant academic coordinator, and helps with student visits.





## Students Prepare for Many Job Options

"K-State agronomy professors are really proud of their students," said Mandy (Hoffman) Fox (BS '02 agronomy), who is now director of the Division of Agronomy for KLA Environmental Services in Salina. She serves on the department's advisory council.

Fox visits campus to interview students interested in internships. She says K-State students are well-prepared even before graduation, which is important to her because the interns "get to do what we do every day; we make them part of the team."

Students majoring in agronomy have a choice of five options: business and industry; consulting and production; plant science and biotechnology; range management; and soil and environmental science. Three of the five options require a summer internship before graduation.

"These options allow students to specialize in their primary area of interest, while also obtaining an agronomy major," Ransom said. "Our program emphasizes hands-on learning and problem-solving, which prepares our students for a wide variety of jobs."

Ryan Flickner (BS '06 agronomy) attended Maize High School near Wichita and worked on his family's farm near Moundridge. He took his education straight to politics, working for U.S. Sen. Pat Roberts.

To Flickner, the path from an urban high school to an agronomy degree and eventually national politics is not unusual. As a student, he learned about the environment, clean air and water, climate change, and protecting natural resources.

"Anytime you can combine education and sound science and understand how science influences the ways we live, then decisions are based on sound science and you take politics out of it," said Flickner, who helped work on provisions of the 2008 U.S. Farm Bill.

### Value-Added Education

Justin Knopf (BS '00 agronomy) knows firsthand that K-State agronomy students are marketable. Before



Mandy (Hoffman) Fox (BS '02 agronomy), director of the Division of Agronomy for KLA Environmental Services, makes notes near a frozen lagoon.

graduating, he held several summer internships and had a job waiting for him as an agronomist with a seed company.

*"Employers highly value our graduates because of the excellent reputation of our department and our track record of providing excellent students."*

"In college, I was focused on learning the technical information and how to apply it," Knopf said. "I didn't realize the importance of learning to communicate and building better leadership skills. In hindsight, I would probably argue that was just as important as learning the technical skills."

In 2003, Knopf rejoined the family's farm near Salina, where he runs the

business with his father and brother Jeff (BS '03 agricultural economics).

K-State senior Ethan Noll, like Skelton, will pursue a master's degree after graduating in May. He speaks confidently about his career options: before deciding on graduate school, he considered going straight into jobs related to soil science, environmental consulting, mapping soils, and farming.

"I feel like K-State helped me become a leader, apply what I've learned in the real world, and develop a better understanding of my surroundings. My education will help me get a better job, and I'm a more rounded person."

In spring 2010, there are 125 undergraduate students in the department, plus 23 studying for a minor in agronomy.

"Students find assurance that agronomy is vital to the survival of life," said Gary Pierzynski, who served as head of the department before becoming interim dean. "The need for agronomy will never go away because of the need for food and fiber in all facets of life."



Ethan Noll, senior in agronomy, readies sample jars in a soil science lab in Throckmorton Hall.

### Faculty, Staff 'Make the Difference'

It's not by chance that K-State students are aggressively sought by employers. Minihan, Ransom, and other department faculty and staff frequently interact with industry representatives at field days, trade shows, commodity meetings, and other events.

"Anywhere there is a potential employer, we make the time to talk with them and discuss the great things taking place in agronomy," Minihan said.

Ransom noted that the department uses a "core of academic advisers" who have a genuine interest in advising students. "They are dedicated to what they do," he said.

"We are passionate about undergraduate education," Minihan added. "If you love what you do, it shows and it makes all the difference when interacting with students.

"Building a friendly, caring environment is easy; it is living it and maintaining the environment that contributes to the success of our graduates. In addition to faculty and staff, everyone associated with our department is important, from the facilities person who shovels snow to the support person who makes copies of handouts for class, to the personnel

at the north agronomy farm who plant the crops garden. Collectively, everyone makes a difference."

Jason Strahm (BS '97 agronomy), a commodity hedger for Advance Trading, Inc. in Bloomington, Ill.,

*"The need for agronomy  
will never go away  
because of the need  
for food and fiber in all  
facets of life."*

agrees that "it's really the people that make the difference" at K-State.

"I've had the opportunity to work with a lot of people from different colleges across the country, and I really don't know any of them who keep in contact with students after they graduate," Strahm said.

### Club, Teams Are Highly Regarded

This spring, Noll is a member of the K-State soils judging team, one of two academic competition teams in the department. The other is the crops judging team. Both teams are

powerhouses among their peers.

The soils judging team has qualified for the national contest 14 of the past 16 years. The crops judging team has won the national championship seven of the past 10 years. Both teams won national championships in 2008 and 2009.

"Being on the soils judging team has given me a chance to learn about soil around the country," Noll said. "And, you get to meet people in the industry and learn about other jobs."

Many agronomy students are members of the Wheat State Agronomy Club, which Minihan notes "is recognized as a leading agronomy club throughout the United States."

Club members are active locally, regionally, and nationally. They host industry speakers, take part in philanthropic activities, and host a booth during the annual AgFest celebration. In 2009, they traveled to 100 grade schools in Kansas, Nebraska, and Missouri, teaching the importance of soil to nearly 2,000 young students.

Members of the club also are active at the annual Students of Agronomy, Soils and Environmental Sciences (SASES) meeting. Twenty or more K-State students typically attend the meeting and compete in academic contests against students from other universities. They go dressed in purple, and Minihan notes that students and faculty at other universities have referred to them as "The Purple Herd."

"We have high expectations of our students, and they always come through," Minihan said.

Students seem to understand the value of the opportunities they're given.

"I feel that the most valuable part of my education is the ability to relate the knowledge that I have learned to the real world through intern experiences, club activities, and judging teams," said Nathan Keep, a senior who will graduate in May.

For more information, go to [www.agronomy.ksu.edu](http://www.agronomy.ksu.edu).

Pat Melgares

Bob Holcombe





Students (from left) Kehley Pfrang, Kelsey Fairfield, Maggie Weeks, and Mary Gleason won the new product division with Flour Indulgence, an edible pastry bouquet.

and what it takes to be a successful entrepreneur,” said Pfrang, who is graduating with a job as a production management engineer in the Horizon Milling Division of Cargill in Culpeper, Va.

Cole Schroeder, Moundridge, was part of the team completing the research to develop a business plan for a micro-brewery. He credited the class with helping him learn the steps in following up on an idea and completing a feasibility study.

Schroeder, a milling science major, also will graduate this spring. He is looking forward to his first job in flour milling for ConAgra in Omaha, Neb.

Student finalists in the 2010 Next Big Thing Competition make presentations on April 23. Winners will be announced at a Celebration of Entrepreneurship banquet that evening.

For more information, contact Fairchild at 785-532-4090 or [ff@ksu.edu](mailto:ff@ksu.edu).

## Next Big Thing Could Be K-State Student’s Idea

At K-State, Grain Science 630 is listed as “Management Applications in the Grain Processing Industries.” To students, it’s “The Next Big Thing.”

“The grain science curriculum explores many aspects of grain science and industry, yet we also want to help students develop a sense of what it takes to move the grain industry forward,” said Fred Fairchild, professor of feed manufacturing and class instructor.

“Students need to leave with an understanding of researching and developing a business plan for innovative concepts, procedures, or new product development,” said Fairchild.

To help students make the transition from the classroom to the business world, Fairchild said grain science paired with the university’s Center for the Advancement of Entrepreneurship, represented by Jeff Hornsby and Chad Jackson, to develop the class concept focusing on “The Next Big Thing Idea Competition.”

Students work as teams in exploring ideas for new products and services, as

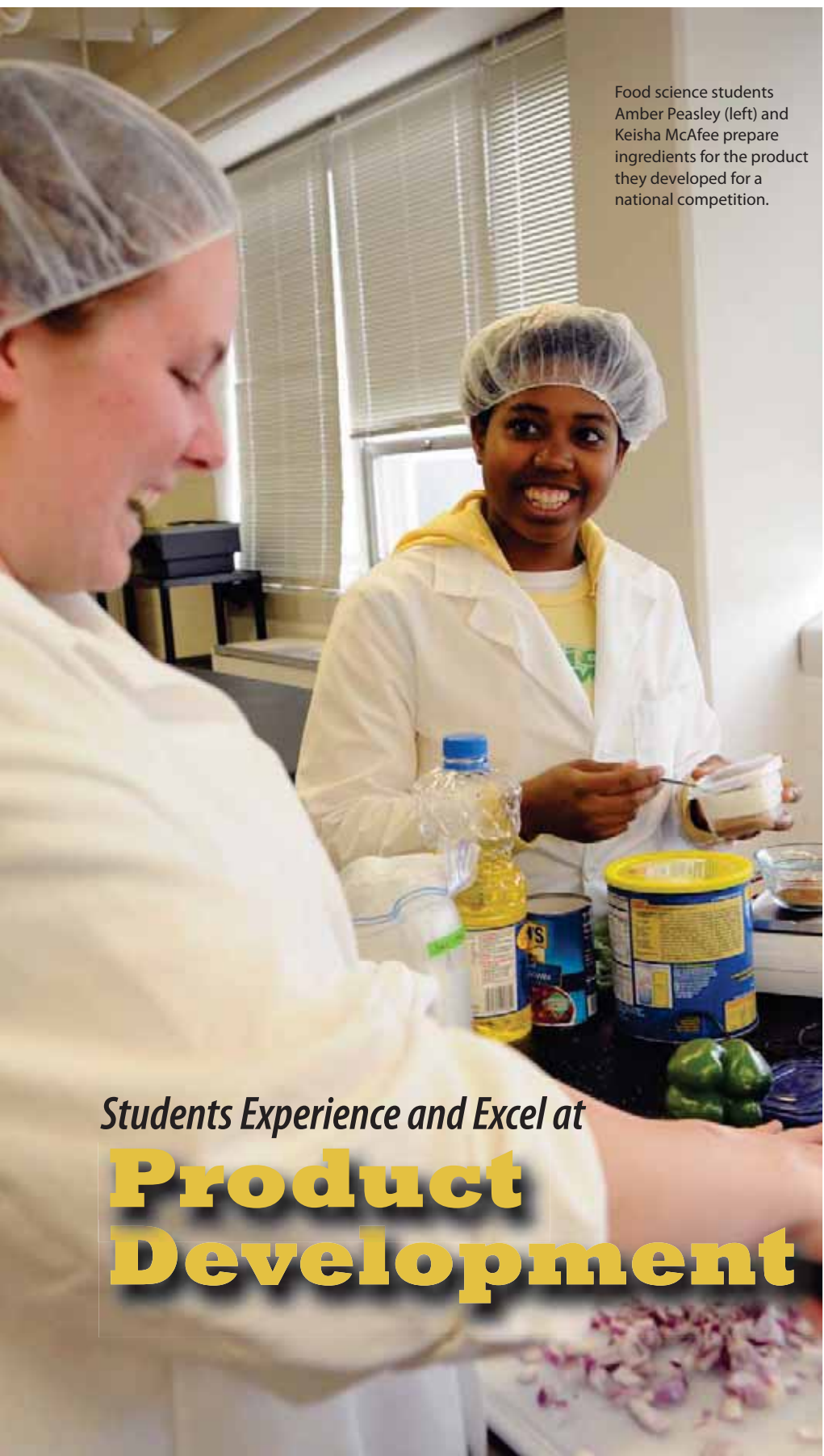
class sessions explore business ideation, creativity, market analyses, research, financial planning, and feasibility studies, said Fairchild. Grain Science and Industry students earned the top three awards in the new product division of the competition in 2009, the first year the competition class was offered.

An edible pastry bouquet, dubbed Flour Indulgence, earned the first-place award; a business plan for developing a micro-brewery (named Prestige Worldwide) earned second place, and Bone-on-the-Go, a to-go meal for people traveling with their pets, earned the third-place award.

Kehley Pfrang, from Goff, who worked as part of the team developing the pastry bouquet, credits the class experience with helping her draw from her dual major in milling science and bakery science and minor in business.

“I think the class helped us develop a better understanding of how what we have learned at K-State fits together





Food science students Amber Peasley (left) and Keisha McAfee prepare ingredients for the product they developed for a national competition.

*Students Experience and Excel at*

# **Product Development**

The current economy has affected the job market, yet graduates of K-State's food science program consistently graduate with a job – often their choice among several offers, said Fadi Aramouni, who praised the 19 students enrolled in FDSCI 740: Research and Development of Food Products.

It's a capstone class designed to encourage upper-level students (usually seniors) to apply the knowledge gained from previous classes in a simulated work project, said Aramouni, professor of food systems. The class includes two lectures and a five-hour lab each week.

For the first assignment, students go to a grocery store to explore a food-product category, such as something to eat for breakfast on the run.

"In my mind, breakfast on the run is a banana. For students," he said, "the choice might be a toaster pastry or breakfast burrito."

In sharing results from their market screenings, students learn that a food product concept is greater than their personal vision, Aramouni said.

We discuss the market screenings as a class, he said. During the discussions, students can learn how to share their ideas effectively; how to listen to others' ideas respectfully; and how to build on the ideas as a team, yet also respect confidentiality that is essential to new product development.

"This step is important," said Aramouni, who noted that new product development teams in business usually are a diverse group capable of developing a variety of ideas.

After narrowing its focus to four or five new food-product ideas, students work as research and development teams. They are encouraged to think creatively and consider concepts that are truly new, rather than a new flavor of an existing product.

The process includes researching potential ingredients, food chemistry, nutrition and processing options as well as variants in color, flavor, taste, texture, nutrition, etc., Aramouni said.

After the formulations for the recipe are refined and a consistent product produced, students use focus groups to test the product. In recent years, they





At left: Paul Mitchell, food science student, and Kelly Getty, assistant professor, discuss the package design for the student product.

also have been encouraged to work with entrepreneurial marketing classes in K-State's College of Business to design packaging and consider marketing strategies, he said.

Aramouni team-teaches the class with Kelly Getty, assistant professor in K-State's Food Science Institute.

The students seem to enjoy the challenges and opportunities the class presents and take pride in developing their potential product. In recent years, students have earned more than \$20,000 in cash and travel awards to participate in various competitions and events in Hawaii, California, Florida, New York, and Illinois.

For example, three students – Elyse Buckley, Kathryn Goddard, and Erin Harbacek – earned a runner-up award for creating Almond Beer-Battered Catfish for the “Ultimate Snack-Off Recipe” contest sponsored by the Almond Board of California. While in California, the students attended the Fancy Food Show to learn more about how new food products are developed and introduced.

Buckley and Goddard also worked together to earn the top award in a Disney-sponsored contest to create a healthy snack for children based on fruit and vegetables.

Graduate students Angela Dodd and Melissa Daniel won first place at the International American Association of Cereal Chemists' product development competition for creating the Gluten-Free Fun Flavored Waffle Cone.

Buckley and Dodd developed individual recipes and were finalists in the American Institute of Baking raisin bread contest. This was the first year students could enter the competition.

This spring, a team of K-State food science students are finalists in a product development competition sponsored by the Research Chefs of America in Phoenix. For the competition, students were invited to develop a frozen, southwestern-style vegetarian entrée. The K-State team will prepare their recipe for Two-Bean Blue Masa Tamale Dinner. The judges will compare the freshly prepared sample to the frozen product reheated in a microwave oven.

The K-State team includes four students.

Paul Mitchell, Houston, Texas, is primarily interested in food chemistry. While working as a dishwasher in a restaurant to help pay college bills, he developed an interest in cooking and food science. He jokes about being an older senior and admits that he has found his passion in food chemistry. When asked to describe his dream job, Mitchell smiled, and said: “I want a teaching position like the one Fadi has.”

Keisha McAfee, Olathe, considered majoring in chemistry or medicine before choosing food science. She is considering a master's degree program in public health and hopes to work with food safety at the international level.

Bryan Severns worked as a chef for 30 years and taught students at the New England Culinary Institute. He surveyed other food science curriculums before choosing K-State to learn more about food and meat science.

“As a nontraditional student, I may look at education from a different perspective. I want to know more about how – and why – food works,” said Severns,” who is eying a career that combines teaching with research on cured meats.

Severns has been an active member of the product development team. He will help prepare for the contest, but had already signed up for a culinary tour of Italy during that time.

Amber Peasley, Overland Park, has stepped up to fill out the team for the competition. She notes that food science has become her passion.

“It's exciting, and it's something different every day,” said Peasley. She is considering a career that combines food science and nutrition with obstetrics.

In Phoenix, the team will compete against budding food science professionals from Clemson University; Johnson & Wales; Mississippi State University; University of Cincinnati, and the University of Guelph.

For more information about K-State's food science program, go to [www.foodsci.k-state.edu](http://www.foodsci.k-state.edu).

Nancy Peterson



Students (from left) Bryan Severns, Paul Mitchell, Keisha McAfee, and Amber Peasley conduct a test run on their product, Two-Bean Blue Masa Tamale Dinner, before the upcoming competition.

### Cargill Sponsors Graduate Research

Two students pursuing advanced degrees in meat science – Melissa Daniel, Cypress Inn, Tenn., and Bryce Gerlach, Wilber, Neb. – have been named Cargill Graduate Fellows in Meat Science. Daniel was one of more than 60 Ph.D. students from around the world who participated in a short course at the International Congress of Meat Science and Technology in Copenhagen, Denmark. Gerlach is working toward a master's degree and is an assistant coach for the K-State Meat Judging Team. As Cargill Fellows, they earn a \$2,000 stipend and have the opportunity to collaborate and exchange ideas with Cargill through seminars, research, and plant visits.

### Students Named Academic All-Americans

Lance Schmidt, Monroe, Neb., and Anna Gabriel, Dixon, Ill., were named National Horse Judging Team Coaches Association Academic All-Americans. This award requires students to maintain a 3.5 or better cumulative GPA and place in the top 10 in at least one major national collegiate horse judging competition. Both were on the 2009 KSU Horse Judging Team that was the American Quarter Horse Association Reserve Champion Team.

### Wear Pink to Fight Cancer

Two student organizations, Collegiate Cattlewomen and Sigma Alpha, donated \$12,500 to the Midwest

Kansas Susan G. Komen Breast Cancer Foundation from the 2009 Tough Enough to Wear Pink event. Since the campaign began in 2006, the groups have raised \$40,800 for the foundation.

### Student Wins National Contest

Bridget Baker won the 2009 National Agricultural Sales Proficiency Award. She is a sophomore from Morrowville, majoring in horticulture with a specialization in greenhouse management, and works part-time in the K-State Gardens. Baker credits her studies and experiences at K-State for giving her extra knowledge that she needed to excel in the national contest.

"Now I have the background knowledge on so many more areas of plants and their needs and care that I was able to stand out and have people take notice of what I was doing," Baker said.

She became interested in the floral industry while practicing for the National FFA Floriculture CDE (Career Development Event), when she volunteered at a local flower shop.

### Entomology Students Compete

Two entomology doctoral candidates, Chitvan Khajuria and Xin Zhang, won second place in the Integrative Physiological and Molecular Insect Systems student competition at the Entomological Society of America national conference. More than 2,000 entomologists attended the conference. Professor Kun Yan Zhu advises both students.



Photo courtesy of Danny Unruh

### Leadership Tradition Continues

Danny Unruh continued the winning streak for College of Agriculture student leadership. Unruh, a senior in food science and political science, is K-State's new student body president. He is the fourth ag student in six years to be elected to the leadership position. Annie Oliver, senior in life sciences, will serve as vice president.

"Annie and I are very excited to start working on behalf of the students here at K-State," Unruh stated. "We are going to focus on three key areas: financial accountability, the classroom experience, and a sustainable future. We are going to make sure that we are responsible with privilege fees, that we ensure K-State students are getting all the value they can out of the classroom, and that we are doing the right things with sustainability.

"We chose to run because this university has given us so much. Annie and I truly love K-State and are so honored to serve in this capacity."



### Senior a Finalist for Truman Scholarship

Amy Sents, McPherson, has been named a finalist in the 2010 Harry S. Truman Scholarship competition.

Sents is a senior in animal sciences and industry and pre-veterinary medicine with a minor in international agriculture. She plans to obtain a doctorate of veterinary medicine and master's of public health. She would like to work for the USDA's Animal and Plant Health Inspection Service.

"My parents impressed upon me from a young age the need to serve others," Sents said. "Through my activities on the farm and in 4-H and FFA, I developed a true passion for animals. Through safeguarding the health of livestock, I aspire to help make this world a safer place to live."

At K-State, Sents is vice president and past secretary of Alpha of Clovia and has competed on K-State's meats and horse judging teams, the meat quiz bowl team, and the Academic Quadrathlon. She will represent Kansas as an international 4-H youth exchange delegate to Germany and Switzerland.





### Student Selected OFA Scholar

Morgan Jenkins, master's student in floriculture, has been selected as an OFA Scholar. She is one of six students selected from a national pool of 36 applicants to the program. The award provides sponsorship and covers travel expenses to participate in the premier floriculture industry short course and trade show, the OFA Short Course, where she will assist with the retail florists' design competitions. OFA is the national and international association of professional floriculturists.



Photo courtesy of Tyler Bowser

### Bowser Elected National President

Tyler Bowser, senior in agricultural communications and journalism, was elected president of the National Agriculture Communicators of Tomorrow (ACT) organization. Bowser also is president of the K-State chapter. The national organization has about 350 members in 17 participating college chapters. As part of his presidential duties, he serves as a liaison between National ACT and the Livestock Publications Council.



### The Singing Farmer

Kramer Farney (left), sophomore in agribusiness, Sterling, played Benny Southstreet in K-State's student production of *Guys & Dolls* in November 2009. He has participated in the Collegiate Chorale, but this was his first K-State production. "I grew up on a farm and began doing musicals my sophomore year in high school. I plan to farm in the future and also would like to continue acting," Farney said. Also pictured is Gil Perez-Abraham, who played Nicely-Nicely Johnson.

### Rutledge Recognized for Academics and Service

Leah Rutledge, horticultural therapy, has earned the Alice Wessels Burlingame-Gerrity Scholarship from the Women's National Farm and Garden Association, Michigan Division. She was recognized for high academic achievements and her voluntary service record, including work with project NOAH helping to rebuild New Orleans, the Reach Out Program for those in assisted living, Angel Food Ministries distributing food to low-income families, and a church mission trip to Wyoming to rebuild after a tornado.



### Students Help with Conservation Education

The State Farm Youth Advisory Board presented a \$28,935 grant to Chris Lavergne and students in the Environmental Communications class for a service-learning project aimed at educating Riley County residents on the value of conserving rainwater for lawn and garden maintenance. The students will lead a water conservation workshop at Sunset Zoo in Manhattan to educate the community and distribute 300 rain barrels for home use.

Those pictured with the presentation check (left to right): Katie Starzec, agricultural communications and journalism (ACJ); Vickie Brown, ACJ/ park management and conservation (PMC); Gene Warren, Ron Lemon, Bruce Arnold, Josh Salmans, and Tamara O'Connor, representing State Farm; Autumn Shoemaker, journalism; Mark Smelser, PMC; Audrey Dong, master's student in mass communication; and Chris Lavergne, instructor. For more information, contact Lavergne at [lavergne@ksu.edu](mailto:lavergne@ksu.edu).



Photo by Ken Odde

### Beef Quiz Bowl Team Named National Champions

The K-State Beef Quiz Bowl Team claimed the national championship at the National Cattlemen's Beef Association annual meeting and trade show. The team of Hyatt Frobose, Anna Pesta, Clem Neely, and Bain Wilson competed against teams from the University of Georgia, Oregon State University, and Pennsylvania State University. The K-State team earned the right to compete by winning the Midwest section of the American Society of Animal Science Academic Quadrathlon. Chelsea Good (far left) (BS '08 agricultural communications and journalism and graduate student in communication studies) moderated the contest.



Courtesy of K-State Media Relations

### Doctoral Student Earns International Fellowship

Bhanu Kalia, plant pathology research assistant, earned one of 12 fellowships from the Monsanto Beachell-Borlaug International Scholars Program. The program honors the accomplishments of Henry Beachell and Norman Borlaug, who pioneered plant breeding and research in rice and wheat, respectively.

Borlaug won a Nobel Peace Prize in 1970 for his work in wheat breeding that launched the Green Revolution.

The fellowship fully supports her doctoral studies, which includes research on wheat breeding and to enable her to find ways to increase food production in developing countries. She will collaborate with CIMMYT, a nonprofit organization that researches sustainable development of wheat and maize farming, and Punjab Agricultural University, where she received a master's degree in genetics.

Her research mentor is University Distinguished Professor Bikram S. Gill. She accepted the award at the World Food Laureates meeting.

"Attending the conference and meeting with world food laureates and other scientists was a deeply moving experience for Bhanu, a rare opportunity for a graduate student that will inspire her research," Gill said.



## K-State Research and Extension Accomplishments

Over the years, K-State Research and Extension programs have greatly benefited Kansas citizens. Below are a few examples.

Feel free to use the feedback option at [www.ksre.ksu.edu/agreport](http://www.ksre.ksu.edu/agreport) to offer your suggestions.

### Walk Kansas Program Truly Covers the State

This is the ninth year for Walk Kansas, an eight-week program that encourages six-member teams to walk 423 miles – the distance across Kansas. Approximately 85 percent of teams reach the goal of 30 minutes of physical activity at least five days per week, and more than 95 percent report eating more fruits and vegetables. The program has grown from 5,000 participants in 2001 to more than 22,000 in 2009, across all 105 counties. For more information, go to [www.walkkansas.org](http://www.walkkansas.org).

### Researchers Evaluate Animal Identification Technology

The K-State Center of Excellence for Animal Identification has been extensively involved with the evaluation of numerous identification technologies for beef cattle production both in a laboratory and practical animal management setting.

K-State also has been at the forefront of evaluating the costs and benefits of implementing an animal identification system at various levels of participation. A course (ASI 650) that incorporates research findings is offered both on campus and online.

### Crop Insurance More Readily Available

The Crop Revenue Coverage Insurance program, developed by K-State Research and Extension, has had a substantial economic impact. It makes risk management tools more available to local farmers and has generated more than \$100 billion of protection for farmers since its inception.

### Education for Foodservice Personnel

For the past five years, K-State Research and Extension has collaborated with the Kansas Restaurant and Hospitality Association to provide food safety training to the foodservice industry and Kansas communities. The ServSafe Food Safety Education program offered 240 training opportunities for 3,715 personnel – 1,637 managers and 2,078 entry-level positions – in 829 foodservice operations.

### Wheat Research Benefits Kansas Economy

An analysis of the economic impact of K-State's wheat breeding effort showed that for every dollar invested in the program, more than \$17 are returned to the Kansas economy.

K-State has released 37 wheat varieties. In 2009, Kansas Agricultural Statistics Service reported four of the

top ten most-grown varieties were developed at K-State. These included Overley (1), Fuller (2), Jagger (5), and 2137 (8). K-State varieties and blends were planted on 45 percent of the total wheat acreage.

### Support for the Military

In 2009, K-State Research and Extension opened an office on Fort Riley. The agents conduct programs in four essential life skills: family life, child development, family resource management, and nutrition and health. The program is funded through competitive grants from Fort Riley and the U.S. departments of Defense and Agriculture.

K-State also offers training on a wide range of agriculture topics for Kansas National Guard Agribusiness Development Teams (ADTs) deploying to Afghanistan. The ADTs help assess the country's food production strengths and challenges.



Translators, from right, José Valles, senior in animal science and pre-veterinary medicine; Siddhartha Torres, research assistant; and Norayma Prieto, senior in elementary education, are converting training materials for beef and dairy operations from English to functional Spanish. They work for the Beef Cattle Institute (BCI) and are advised by Chris Reinhardt (PhD '94 animal science), K-State Research and Extension feedlot specialist. Reinhardt and the BCI have collaborated with industry leaders to create more than 100 6- to 12-minute training modules. He received the 2009 K-State Research and Extension Diversity Award "for his many efforts to improve communication and training in diverse feedlot and dairy industries."

## Agronomy

**Bill Heer**, associate professor at the South Central Experiment Field near Hutchinson, was elected Division A-7 board representative for the American Society of Agronomy

**Dave Mengel**, professor, received the Werner L. Nelson Award for outstanding performance in the development, acceptance and/or implementation of diagnostic techniques and approaches in the field from the American Society of Agronomy.

**Dana Minihan**, assistant academic coordinator and instructor, was appointed to a one-year term on the Students of Agronomy, Soils and Environmental Sciences national advisory committee – the undergraduate organization of the American Society of Agronomy, Crop Science Society of America, and the Soil Science Society of America.

**Steve Welch**, systems agronomist, is helping lead a team attempting to predict how plants will grow and develop based on their particular genetic makeup and the various environments where they are found or planted. Welch is involved with the iPlant team – Genotypes to Phenotypes in Complex Environments (iPG2P) committee – which is part of a nearly \$50 million project funded by the National Science Foundation. For more information, go to <http://www.iplantcollaborative.org/>

## Animal Sciences and Industry

**Curtis Kastner**, director of the Food Science Institute, received the National Gamma Sigma Delta Honor Society of Agriculture Distinguished Achievement in Agriculture Award. The annual award recognizes a member who has made great achievements/contributions to agriculture in teaching, research, extension, or other distinguished service.

Mortar Board named **Tim Rozell**, associate professor, its 2009 outstanding faculty, adviser, and mentor for the College of Agriculture.

## Biological and Agricultural Engineering

**Bob Wolf**, associate professor and Extension specialist, has been named a 2009 Fellow of the American Association of Pesticide Safety Educators. He is a nationally recognized expert on pesticide application technology.

**Weinqiao “Wayne” Yuan**, assistant professor, has received a five-year, \$400,000 grant through the National Science Foundation’s Faculty Early Career Development Program. The long-term goal of his project is to make energy manufacturing from algae economically viable.

## Communications

**Gamege Dissanayake**, programmer, and **Gina Nixon**, department business manager, were recognized during the university IT awards ceremony. Dissanayake won the IT Innovator Award for applying innovations to existing or emerging technologies. Nixon received a meritorious achievement award given to non-IT staff.

## Entomology

The following awards were presented at the North Central Branch Entomological Society of America: **John Reese**, whose research has centered on host-plant resistance for more than 30 years, received the Entomology Recognition Award, which provides additional recognition to entomologists who have made or are making significant contributions to agriculture.

**Jim Nechols** has taught at K-State for 25 years and his primary expertise is in biological control and alternative pest management. He earned the Teaching Distinguished Achievement Award.

**Raymond Cloyd**, horticultural entomologist, received the Excellence in IPM (integrated pest management) Award, which recognizes and encourages outstanding research in economic entomology.

## Kansas Forest Service

**Connie Robinson-Clemons**, assistant forester, is the first Kansas forester to

be named the North Central Region’s Tree Farm Inspector of the Year. She represented the state’s southeast district and competed against hundreds of foresters in more woodland-rich states.

## K-State Research and Extension

**Lois Redman**, former 4-H specialist, was inducted into the National 4-H Hall of Fame at the National 4-H Center in Chevy Chase, Md. She is best known for her extensive global work on behalf of 4-H.

## Team Award

The 35-member Watershed Restoration and Protection Strategy (WRAPS) team received the 2009 Partnership Award from the USDA-Cooperative State Research, Education and Extension Service. Watershed specialists, with support from a research team, developed a comprehensive educational program that worked with K-12 and higher education. The specialists also worked with community leaders to develop protection and restoration plans for their watersheds.

## In Memorium

**Jean Clarkson-Frisbie** (BS ’70 human ecology, MS ’88 clothing and textiles), 61, died Jan. 5, 2010. She started her career as an extension home economist in Ness County in 1970. She transferred to Pratt County in 1972 and remained there until her retirement in 2008. She spearheaded a financial campaign to build new fair buildings destroyed by tornadoes in 2002. The Pratt County Fair Board named the exhibit hall the Jean Clarkson-Frisbie Exhibit Hall in 2004. Memorials may be made to the Pratt County 4-H Foundation Frisbie Fund.

**Paul N. Stevenson**, Wamego, 90, died Dec. 4, 2009. He joined the Department of Biological and Agricultural Engineering in 1957 and taught classes in agricultural mechanization until his retirement in 1984. He was instrumental in establishing K-State’s Collegiate FFA. He enjoyed music and taught square dancing to many 4-H and FFA members.





### Teacher Mentors Agents

Agricultural education faculty member Shannon Washburn shares “how he teaches” with family and consumer sciences agents during their annual training. He has presented seminars to several groups and is working with the Design for Learning team to present this program online to 26 agents from four states.

“Ag education faculty working with extension professional development is a relatively new concept in Kansas,” said Washburn.

Nozella Brown, Wyandotte County family and consumer sciences agent, has attended two of Washburn’s training sessions.

“Shannon reminded us that the learning process is a social interaction,” commented Brown. “His workshop not only helped us understand how adults learn, but he led us through an energizing, active-learning session. I left confident that I could turn a boring lecture into an exciting learning experience for my participants.”

### Barnaby Wins National Award for Excellence

G.A. “Art” Barnaby, Jr., professor of agricultural economics and state extension specialist, earned the 2009 National Award for Excellence in Extension from the Association of Public and Land-Grant Universities.

“Each year, one outstanding extension professional is recognized nationally for sustained excellence in both innovative programming and how that programming impacts clientele,” stated Daryl Buchholz, associate director for extension and applied research.

“This honor is a testimony to Dr. Barnaby’s knowledge, passion, commitment, and ability to follow through. His leadership in delivering extension educational programming on critical economic issues has had a tremendous effect on the agricultural community.”

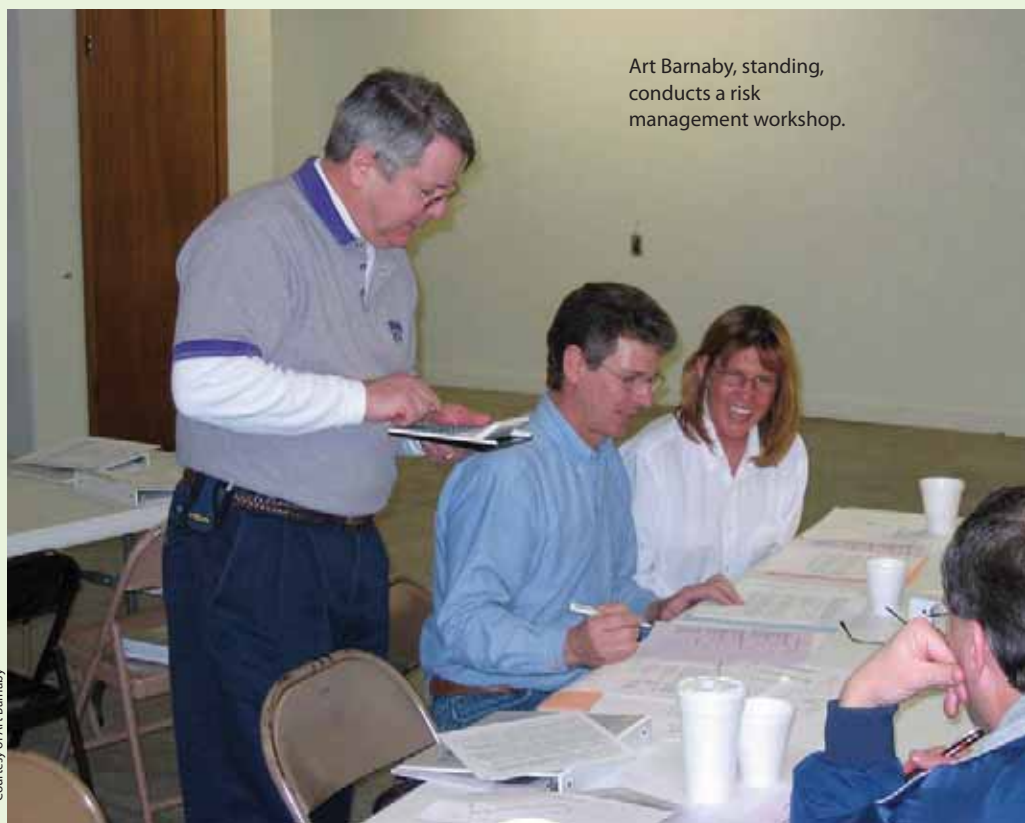
During his 30 years at K-State, Barnaby has been widely recognized for developing practical risk management strategies.

One such project was the development of the Crop Revenue Coverage insurance policy in cooperation with a private insurance company, which has provided more

than \$100 billion of protection for farmers.

Barnaby continues to conduct statewide education programs on financial planning, risk, government commodity programs, and crop

insurance. He has authored several research projects that cover alternative crop insurance designs and their impacts on farmers, and he is an author of the *AgManager.info* Web site.



Art Barnaby, standing, conducts a risk management workshop.

Courtesy of Art Barnaby

## Agronomist Continues to Rake in Honors

Charles “Chuck” Rice, university distinguished professor of agronomy, has received three prestigious awards and is part of two grants related to his area of expertise – global climate change.

Rice received one of two 2009 Commerce Bank Distinguished Graduate Faculty awards, which comes with a \$2,500 honorarium.

“This is the 15th year that Commerce Bank and the William T. Kemper Foundation have partnered with K-State to support the Commerce Bank Distinguished Graduate Faculty awards,” said Tom Giller, community bank president, Commerce Bank, Manhattan.

“High-quality teaching is critical to student success, so we welcome this opportunity to help the university recognize those who excel in teaching, research, and the mentoring of students.”

Rice also earned the Irvin Youngberg Award for Applied Sciences, one of four Higuchi-KU Endowment Research Achievement awards. Each award includes a \$10,000 grant, which can be used for research materials, summer salaries, fellowship matching funds, research assistants, or other support related to research.

The awards are presented annually to faculty members at Kansas Board of Regents institutions.

He also received the Environmental Quality Research Award from the American Society of Agronomy for contributions that have enhanced the basic understanding of environmental sciences in relation to agriculture, or demonstrated sound and effective management practices for maintaining or improving the quality of soil, water, and air resources.

In addition to individual awards, Rice will collaborate with other scientists on a \$20 million National Science Foundation grant that will further establish Kansas as an internationally recognized leader in global climate change and renewable energy research.



He will lead the climate change portion – about \$5 million of the \$20 million funding.

The five-year award to Kansas NSF EPSCoR (Experimental Program to Stimulate Competitive Research), is a statewide program. It will link four universities: K-State, KU, Wichita State University, and Haskell Indian Nations University; three Kansas-based companies: Abengoa Bioenergy, MGP Ingredients, and Nanoscale; and two companies outside of the state: ADM (Illinois) and Netcrystals (California) in a massive research effort. The initiative also will be supported by \$4 million in matching funds from K-State, KU, and the Kansas Technology Enterprise Corporation.

Rice and fellow agronomist Scott Staggenborg also are part of a \$257,000 four-year grant from the U.S. Department of Education for a U.S.-Brazil student exchange program.

The Fund for the Improvement of Postsecondary Education award will provide for an exchange of students and faculty between the two countries. The project title is “Providing Education in the Face of Climate Change, Food, and Energy Scarcity.”

Four universities are participating in this program. K-State is the lead university on the U.S. side, and the Federal University of Santa Maria is the lead university in Brazil. The other two universities involved are Mississippi State University and Brazil’s Federal University of Mato Grosso.

The grant will foster collaboration between leading universities in two of the most important agricultural countries in the world, Rice said.

“Students will participate in a combination of short (two weeks) and extended (six months) exchanges,” Rice said. “This program will better prepare students to address the complex issues surrounding the most important challenges humanity faces in the 21st century.”

The program is jointly administered by the Fund for the Improvement of Postsecondary Education in the U.S. and the Brazilian Ministry of Education. The program aims to improve the quality of students in undergraduate and graduate education in both countries.

Rice was a member of the Intergovernmental Panel on Climate Change that was awarded the Nobel Peace Prize in 2007.





### Leslie to Share Research

John Leslie, head of the Department of Plant Pathology, has been recognized by two national organizations and a South Korean university.

Leslie was designated a Fellow of the American Phytopathological Society, and the American Society for Microbiology awarded Leslie an International Professorship for Latin America. He will be a visiting professor at the Universidad Nacional de Rio Cuarto in Argentina, where he will present his Fusarium Laboratory Workshop and offer a scientific writing workshop based on material he has presented to nearly 3,000 people in 16 countries.

The Seoul National University named Leslie the first adjunct professor in its College of Agriculture and Life Sciences.

"Seoul National University is the top-ranked university in Korea, and is one of Asia's and the world's leading universities," Leslie said.

"K-State's collaborative relationship with them is a way to bring some of Korea's brightest students to Manhattan for mutually beneficial research and educational opportunities."



Kim Williams (left), professor of greenhouse management, and Morgan Jenkins, master's student in floriculture, trim daylilies in a Throckmorton Hall greenhouse.

### Williams Recognized for Teaching Excellence

Kimberly Williams, professor of greenhouse management, won the 2009 North Central Region Award for Excellence in College and University Teaching in the Food and Agricultural Sciences.

She was one of six regional winners. The awards program is sponsored by the U.S. Department of Agriculture and its Higher Education Programs, Science and Education Resources Development and National Institute of Food and Agriculture. The program recognizes college and university teachers who excel at teaching, make a positive impact on student learning, and influence other teachers by example.

"I am very pleased that Kim Williams has been recognized by the USDA for the energy, expertise, and scholarship she brings to the classroom," said Don Boggs, associate dean of the College of Agriculture. "She is the type of caring, innovative, and professional faculty member who helps make K-State special."

Williams (BS '88 horticulture), a Great Bend native who helped on her grandparents' farm, describes herself as a "hybrid farm kid."

She teaches courses in greenhouse operations management, plant nutrition and nutrient management, pre-internship in horticulture, floral crops production and handling, and herbaceous ornamental plant production. Her classes offer students hands-on production experience, including producing poinsettias as part of a national varieties trial program. Her students also grow annuals and perennials for the campus and K-State Gardens.

In addition, she advises 25-30 students specializing in crop production disciplines and has helped her students receive more than \$100,000 in industry scholarships in the last 10 years. She also is faculty adviser to K-State's chapter of Pi Alpha Xi, the national honor society for horticulture.

Williams is K-State's seventh regional winner in the awards program. K-State also has had three national winners.

The family businesses of **Keith Houghton** (BS '72 animal science), Tipton; **Vance Ehmke** (BS '72 animal science, MS '73 journalism and mass communication), Healy; and **John Pendleton** (BS '79 animal science), Lawrence; were featured in the agritourism article, *A Breath of Fresh Air*, in the winter 2009 edition of the *K-Stater* magazine.

### 1961



**Dell Allen**, former faculty member, meats judging team coach, and retired vice president for technology services and food safety with Cargill Meat Solutions, was named 2009 Department of Animal Sciences and Industry Distinguished Alumnus. He made a presentation to the department and was honored at a tailgate party before the KSU-KU football game. Intervet-Schering Plough Animal Health has established a graduate fellowship in meat science to honor Allen's lifelong dedication to the meat industry, and to help students follow in his footsteps.

### 1972

**David Coltrain** (BS horticulture, MS '98 agricultural economics) joined the K-State Research and Extension River Valley District as a horticulture and community development agent. He worked previously as an agriculture and

natural resources agent in the Walnut Creek Extension District in Kansas, and in the Arthur Capper Cooperative Development Center at K-State.

### 1981

**Larry Pottroff** (BS animal science, MS '84 adult and occupational education) started the agricultural education program at Horton High School and has taught at the school for 25 years. He and his family also own Horton Guest House Motel.

### 1986

**Karen Blakeslee** (BS food science, MS '97 foods and nutrition), rapid response center coordinator, was chosen by the Department of Communications as the Communicator of the Year. She also received the Meritorious Service Award from the Alpha Rho Chapter of Epsilon Sigma Phi.

**Robert Goodband** (MS, PhD '89 animal science), professor and swine nutrition specialist, was recognized as the "Faculty of the Week" at the K-State-Massachusetts home football game on Sept. 5. His name and photo were shown on the JumboTron.

### 1989

**Gregg Doug** (BS animal science, MS '91 agricultural economics), chief economist for the National Cattleman's Beef Association, was the featured speaker at the George H. Stephens Alpha Zeta Distinguished Lecture in Agriculture on Nov. 9. His topic was Agriculture 2010: International, Sustainable, or Just Plain "Anti"?

**Garth Gardiner** (BS animal science), Ashland, and his wife Amanda own the horse that won the Superhorse Award from the American Quarter Horse Association. The award goes to the top overall point winner in the annual world Quarter Horse competition.

### 1994

**Tracy Mader** (BS agricultural economics), Maple Grove, Minn., was recently promoted by Syngenta Seeds, Inc., to head of product marketing for corn and soybean products.

### 1995

**Becky (Stahl) Terry** (BS agribusiness), Winchester, received the Ed Bible Distinguished Service Award for her dedication and service to the Livestock Publications Council (LPC). She owns Showboat Graphics, a pre-press graphic design company specializing in the livestock and auction industries

### 1998

**Kerry (Boydston) Wefald** (BS agricultural journalism, MS '99 adult and occupational continuing education) is the new executive director for the Kansas FFA Foundation.

**Dana Peterson** (BS, MS '00 agricultural economics) is the new chief executive officer of the National Association of Wheat Growers. From 2001 to 2009, she was a policy and membership specialist at Kansas Wheat.

### 1999

**Dana Mayer** (BS animal science, BS '00 agronomy) and wife **Alicsa** (BS '01 animal science, MS '03 food science), Alta Vista, announced the birth of their daughter, Laramie Helena Jo Mayer, Sept. 14, 2009. Dana works for Monsanto as a research assistant, and Alicsa is a biological technician at the USDA-ARS Center for Grain and Animal Health Research, both in Manhattan.

**Brian Waldschmidt** (BS agricultural education), Anthony, and his wife, Kasey, announced the birth of their son, Cooper, on Jan. 28, 2010. Cooper has a big brother, Ethan. Brian is the K-State Research and Extension agricultural and natural resources agent for Harper County.

### 2000

**Shannon (Blender) Blocker** (BS agricultural education) recently completed a master's degree in agronomy. She is the K-State Research and Extension agriculture and natural resources agent for Anderson County.

### 2001

**Stephanie (Goossen) Richmond** (BS animal science) and her husband Lee,



Newton, announced the birth of their daughter, Brenlyn Josephine, Aug. 31, 2009. Stephanie is a sales administrator for Full Vision, Inc.

## 2002

**Nicholas Bowser** (BS agronomy), Mayetta, was named to the Kansas Farm Service Agency State Committee by the Obama administration. The committee oversees the activities of the agency, including carrying out the state agricultural conservation programs, resolving appeals from the agriculture community, and helping to keep producers informed about FSA programs. He earned a master's degree in agronomy from Iowa State and has managed the Bowser farm operation since 2005.

**Corinne (Blender) Patterson** (BS animal science/agricultural communications and journalism) is the K-State Research and Extension 4-H agent for Lyon County.

## 2003

**Christopher Miller** (BS milling science and management, MS '08 grain science) has been named the Buhler Instructor of Milling Science and Management. He joined the K-State faculty on an interim basis in January 2009, teaching milling science and management courses as well as Buhler short courses hosted by K-State's International Grains Program. Buhler Inc., based in Uzwil, Switzerland, is the world's largest supplier of flour milling equipment.



## 2005

**Ashley (Breiner) Bohl** (BS animal science) and her husband **Eric** (BS '01 animal science), Ellsworth, announced the birth of their son, Rett Ernest, Aug. 10, 2009. Eric ranches with his family, and Ashley is the loan operations officer for Citizens State Bank & Trust Company.

**Sharon (Glaenzer) Breiner** (BS agricultural communications and journalism, MS '07 animal science) was named secretary/treasurer to the 2010 Executive Committee of the National Cattlemen's Beef Association Young Producers' Council. She is the youth livestock coordinator for the Department of Animal Sciences and Industry.

## 2007

**Sarah Molzahn** (BS agricultural education) is the K-State Research and Extension agriculture and natural resources agent for the Post Rock District, which includes Mitchell, Lincoln, Jewell, and Osborne counties. She had worked as an audit assistant at the First National Bank and Trust in Phillipsburg.

**Jenna Tajchman** (BS agribusiness, MS '07 agricultural economics) a Lincolnville native, recently completed a mission to the Republic of Moldova under the auspices of the Peace Corps. She served for 27 months, including three months of training.

## 2008

**Kiel Roehl** (BS agricultural economics) is an agricultural economist for the Kansas Farm Management Association in Colby.

**Lisa Stork** (BS park management and conservation) was awarded the Distinguished Seasonal Interpreter Award from the Association of Missouri Interpreters. She worked with land and habitat management at the Meremac State Park in Sullivan, Mo.

## In Memorium

**Frank E. Bernasek** (BS '48 natural resources management), 87, Manhattan, died Feb. 21, 2010. He worked for Kansas Farm Bureau for 40 years, retiring in 1987 as state organization director.

**Tom L. Harvey** (BS '50, MS '51 entomology), 83, professor emeritus, died Aug. 18, 2009. He was a research entomologist at the Agricultural Research Center-Hays from 1954 to 2007. Harvey was responsible for developing the idea for insecticide ear tags to control horn flies and face flies on cattle. He was the first person to determine the role of the wheat curl mite in spreading disease – specifically wheat streak mosaic – to wheat.

**Elmer Pelton** (BS '51 animal science), Pittsburg, died Feb. 19, 2010. He previously lived in the Manhattan area and worked for Kansas Farm Bureau. The Elmer and Mary Schlagel Pelton 4-H Family Scholarship Fund has been established with the Kansas 4-H Foundation.

**William G. "Bill" Amstein Jr.** (BS '52 agricultural economics, MS '57 animal science), Manhattan, died Oct. 15, 2009. He farmed and ranched south of Clifton for 30 years before becoming the director of development and alumni relations for the College of Agriculture in 1986. He was active in many livestock organizations on the state and national level. He was recognized as the 1977 Record Stockman "Man of the Year in Livestock" and the 1995 K-State College of Ag Distinguished Alumnus of the Year.

**Raymond Adams Jr.** (BS '54 animal science), 77, Maple Hill, died Sept. 3, 2009, at his home. Working with his three oldest sons, he was the senior partner in the Adams Cattle Co., which was founded by his father. He leaves a legacy of accomplishments in the livestock and meat industry, including the Outstanding Stockman Award (2006) from K-State's Block and Bridle Club; LMIC Stockman of the Year Award (2005), and the Adams Ranch was named Hereford Breeder of the Year (2004).

**David Long** (BS '41 poultry science), died April 15, 2006. For 32 years, he worked for the Agriculture Marketing Service in the poultry division. He retired in 1976 as chief of the poultry division grading branch. (Information recently received from family.)



Terry Garvert, College of Agriculture Alumni Fellow, talks to students in Principles of Milling class.

## Alumni Fellow Shares Experience with Students

Terry Garvert, customer risk manager for Cargill, is the 2010 College of Agriculture Alumni Fellow. While on campus to accept the award, he guest lectured in several classes and met with administrators, faculty, and students.

After earning dual degrees in feed science and chemistry in 1977, Garvert began a 33-year career with Cargill. He has held several commodity merchandising, market development, and risk management positions. He also had oversight of the company's wheat breeding business, Goertzen Seed Research, from 1994 until Goertzen was sold in 2002.

He served as a member of the Kansas City Board of Trade from 1994 to 1997, serving one year as a director. He is a member of the College of Agriculture/K-State Research and Extension Advisory Council.

Over the years, Garvert has returned to K-State's campus to work with students in the Multicultural Academic Program Success, part of the Project Impact Summer Bridge Program. Cargill is a sponsor of the program. MAPS is designed to prepare high school students for the academic rigor of the university environment by bringing them to campus for college classes during the summer.

Terry Garvert visits with students Starr Price and Caleb Wurth outside Waters Hall.

"It is evident by Terry's actions that he has a high level of commitment to K-State and to fostering a more diverse learning environment," said Zelia Wiley, assistant dean for diversity programs. "We truly appreciate the ongoing relationship we have with Cargill and especially Terry."

As Garvert talked to students in the Principles of Milling class, he assured them that he had benefited from his K-State classes.

He told them to study hard and get work experience during school through internships, especially foreign experience.

"Don't sacrifice your grades," he said. "But it's important to show

employers that you can balance multiple responsibilities. At Cargill, we look for employees who "learn more than they are taught and do more than they are asked."

He gave an example of how he had done more research on a project than required, which impressed his supervisor.

He also encouraged them to acquire good communications skills and a basic understanding of accounting. Garvert added that learning a second language is another important tool. During his career with Cargill, he has visited mills in 46 countries.

"Being able to speak with a customer in their native language would have made some of those discussions with customers so much richer," he said.

Caleb Wurth, a freshman pursuing degrees in milling science and feed science, had the opportunity to escort Garvert around campus.

"It was an honor to meet such a successful agricultural man who still expresses the passion and caring for the students of K-State," said Wurth. "Mr. Garvert never hesitated to give his card out to a graduating senior or lend some helpful advice to a new freshman. He exemplifies what it means to be a true K-Stater and sets the example for all of K-State's current and future students."







Photo courtesy of Tamara Bauer

### Family of the Year

The extended family of Bob (BS '56 animal science) and Janis Moore, aka, were named K-State's 2009 Family of the Year. They were nominated by grandson Blake Bauer (BS '04 agribusiness), who works for Intrust Bank in Manhattan, and his wife Tamara, associate coordinator of K-State's new student services.

Janis' father was the first K-Stater in the family. All four of the Moores' children, including Kent (BS '89 agricultural economics), graduated from K-State and married other K-Staters. All of their grandchildren have graduated from K-State, are currently enrolled, or plan to be Wildcats.



Photo by Eric Bekemeyer

Neil Bekemeyer (BS '06 agribusiness) planted two soybean varieties in opposite directions to create a Powercat in a five-acre field west of Washington, Kan.

"I purchased a John Deere 16-row planter with row command, and I wanted to play with it to see how precise it was," said Bekemeyer.

After loading the Powercat image into the GPS (global positioning system), he traced the boundaries with another tractor. He estimated it took about 15 minutes to load the image, and 30 minutes to trace the boundary.

"I planted one variety from north to south and the other east to west," said Bekemeyer. "The planter shut off when it came to the boundaries. I expected the design to show best when the leaves fell off. The soybean varieties were different colors, so it worked better than I thought it would."

His brother, Eric, took the aerial photo.

Neil plans to do another design in a field east of Linn.

Photo sent by Rhonda Wassenberg, office manager at Oregon Trail Equipment in Marysville.



### First Black Graduates Honored

Zelia Wiley (from left), assistant dean of diversity programs, and students – Mychal Davis, junior in animal sciences and industry; Marcus Bragg, freshman in industrial engineering; Albert Myres, Jr., freshman in agribusiness; and James Millsap, senior in agribusiness – view the pavers honoring K-State's first male (George Washington Owens) and female (Minnie Howell Champe) African-American graduates. The pavers by the west entrance of the K-State Alumni Center were dedicated in February. The Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) chapter was among the student groups who provided financial support for the pavers.

Champe (BS 1901) studied domestic science and had a distinguished career. Owens (BS 1899) studied agriculture. He worked at Tuskegee Institute in Alabama with Booker T. Washington and George Washington Carver. He also established agricultural programs at Virginia State College and five departments of vocational agriculture in Virginia. The agricultural building at Virginia State is named Owens Hall. Owens' daughter donated his papers to the K-State University Archives in 1978.

# Projects Will Enhance Student Experience

The College of Agriculture has two major construction projects underway – the O. H. Kruse Feed Mill and BioRefinery and the K-State Equine Education Center.

Construction on the new feed mill will begin in late-2010 or early 2011 and should be completed in about a year. The mill will serve the feed science and management program in the Department of Grain Science and Industry and provide the feed production and research facility for the Department of Animal Sciences and Industry.

Part of the impetus for the new feed mill is the selection of K-State/Manhattan as the site for the new \$560 million National Bio- and Agro-Defense Facility (NBAF) laboratory to be built by the Department of Homeland Security. NBAF will replace an aging BSL-3 (Bio-Safety Level 3) facility on Plum Island, N.Y. NBAF will be built on the current site of the animal sciences feed mill – which like its grain science counterpart – is well beyond its useful life.

What will ultimately be a \$12.5 million facility will include a modern, automated five-ton-per-hour feed mill, a liquid feed research facility, and a BSL-2 teaching and research feed mill. The BSL-2 mill will be designed in such a way that scientists will be able to safely work with low virulence pathogens (e.g., salmonella) in feeds but also use the facility for other research, teaching, and outreach activities when not used in the BSL-2 mode.

The preliminary design and cost estimate of the feed mill was provided by Younglove Construction, Sioux City, Iowa. Nearly a year ago, a feed mill design team – made up of faculty members and students from both departments – began working on the concept of a single facility. Using in-house talent and the experience of operating the two existing mills, the team was able to provide a tentative layout and flow diagram that included



all the features and capabilities needed to start the formal design process.

## The K-State Equine Education Center

Phase 1 construction of the new Kansas State University Equine Education Center has reached 95 percent completion. Phase 1 consists of major site excavation and grading, installation of main utilities, construction of driveways and parking areas, and erection of a 150-foot by 300-foot outdoor arena. The outdoor arena also will include a 70-foot by 300-foot track arena, rough stock chutes and holding pens, timed-event facilities, and spectator seating for 2,000.

The new center is being designed and constructed to serve the needs of four key areas: Equine Academic Programs; K-State Rodeo Club; K-State NCAA Women's Equestrian Team; and a new program, Equine-Assisted Human Development and

Rehabilitation. These areas represent the interests of students, faculty, alumni, and constituents within the College of Agriculture, the Department of Animal Sciences and Industry, K-State Athletics, and Kansas State University.

Future phases of the project will include construction of the K-State Rodeo Club home, a livestock marketing center, an academic center with classrooms and instructional arenas, and a large indoor arena building with stables and spectator seating for 2,000.

The K-State Equine Education Center project is funded through private gifts to the KSU Foundation. While construction estimates vary over time, the total estimate for the project is about \$15 million. More than \$2 million has been raised and spent on Phase 1 construction.

To contribute to the project or for more information, please contact Aaron Hund at 800-432-1578, ext. 7528, or via e-mail at [aaronh@found.ksu.edu](mailto:aaronh@found.ksu.edu).





John A. Shellenberger (BS '31 milling science and department head 1945-1966) watches K-State President John McCain unveil his portrait. The Milling Industries building was renamed for Shellenberger in 1970. Mrs. Elfreda Johnson Peterson completed the painting in 1972.

Photo courtesy of Chuck Walker

## *Grain Science Celebrates 100 Years of History and Service*

This year marks the 100th anniversary of the Department of Grain Science and Industry, and several events are planned to celebrate this milestone.

Founded in 1910 as the Department of Milling Industry, the department began testing and exploring more efficient ways of milling wheat and improving grain quality. Since that time, the department has emerged as a unique and internationally distinguished program. Today, K-State is the only university in the world to offer undergraduate degrees in milling, baking, and feed science, as well as master's and doctoral degrees in grain science.

The department is offering a Centennial Lecture Series featuring speakers from across the grain and biotechnology fields. The speakers have been chosen to discuss the future of agricultural science and industry as it relates to global challenges.

"While our speakers represent a diverse set of specialties, they share the common characteristic of having well-deserved, international reputations in their respective fields," said Jon Faubion, chair of the lecture series.

Julie Miller Jones, professor emeritus of food and nutrition at the College of St. Catherine in St. Paul, Minn., and Mike Edgerton, Monsanto's technology lead for corn ethanol and quality traits, were the first two speakers.

### **Upcoming lectures include:**

- Steve Nelson, executive vice president of the American Association of Cereal Chemists International
- Jan Delcour, professor of cereal science and technology, Katholieke Universiteit Leuven, Belgium
- Vijay Singh, associate professor of agricultural and biological engineering, University of Illinois at Urbana-Champaign
- A. Dale Whittaker, associate dean and director of academic programs, Purdue University

In addition to the lecture series, the department is hosting a Centennial Celebration Weekend on Oct. 1-2, 2010. Activities will include a golf tournament, facility tours, research briefing seminars, and an evening finale at the International Grains Program Conference Center.

"We're very excited to celebrate this important milestone with our alumni and friends," said Dirk Maier, department head. "Our centennial is a great opportunity to highlight K-State's many contributions to the grain industry. Our program is recognized nationally and internationally, and we're looking forward to celebrating our history, with an eye toward future opportunities."

For more information, go to [www.grains.ksu.edu/centennial](http://www.grains.ksu.edu/centennial).

May 7-8, 2010

# WILD4AG Weekend

**Friday, May 7**  
**Ag Alumni Scholarship**  
**Golf Tournament,**  
**Colbert Hills Golf Course**

4 person, 18-hole scramble

10 a.m. – Registration and lunch

Noon – Shotgun start

6 p.m. – Steak dinner and awards (non-golfing spouses and guests welcome at \$30 per person)

Cost – \$125 per person entry fee includes: cart and green fees, lunch, complimentary beverages, steak dinner, and a tournament souvenir.

For additional information, contact Sandy Klein at 785-532-5121 or [sandy@ksu.edu](mailto:sandy@ksu.edu)

**Saturday, May 8**

**Awards Reception – 2009 Award winners**

4 p.m. – K-State Alumni Center

Distinguished Alumnus: Max Deets

BS '51 agricultural education

Outstanding Young Alumnus: John Stika

BS '93, MS '98 animal sciences and industry

David J. Mugler Outstanding Teaching Award:

Keith Lynch, Professor, Forestry

**New Graduate and Alumni Dinner**

6-8 p.m. – K-State Alumni Center, Recognition of fall and spring graduating seniors

Cost: \$25



Thanks to our tournament sponsors: Cargill Meat Solutions, Downey Ranch, Tallgrass Commodities, and 2i Feeders.

## WILD4AG Weekend May 7-8, 2010

☐ **Yes, I will attend Wild4Ag Weekend in Manhattan**

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

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

E-mail \_\_\_\_\_

Name for name tag:

First \_\_\_\_\_ Last \_\_\_\_\_

List additional attendees: \_\_\_\_\_ Names for name tags: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Friday, May 7**

☐ Ag Alumni Scholarship Golf Tournament, \$125 per person

List team members: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Number members \_\_\_\_\_ x \$125 = \$ \_\_\_\_\_

Extra steak dinner tickets \_\_\_\_\_ x \$30 = \$ \_\_\_\_\_

**Saturday, May 8**

☐ Awards Reception

Number \_\_\_\_\_ No charge

☐ New Graduate and Alumni Dinner

Number \_\_\_\_\_ x \$25 = \$ \_\_\_\_\_

**Total** \$ \_\_\_\_\_

**Method of payment**

☐ Enclosed is a check made payable to the KSU Foundation/College of Agriculture

**Print and complete this reservation form and mail it, along with your payment, to:**

College of Agriculture Alumni Association

Kansas State University

117 Waters Hall

Manhattan, KS 66506-4015

or contact Sandy Klein

785-532-5121 or [sandy@ksu.edu](mailto:sandy@ksu.edu).

Reservations are due April 30, 2010.