

K-State College of Agriculture

# AgReport

Spring 2007



*A Grand Night for Milling*



Fred Cholick (left) with Representative Jerry Moran

I hope you enjoy the spring issue of the Ag Report. We have had a positive response on the switch to a color magazine in fall 2006.

In August, I met with all on- and off-campus unit leaders to get input on areas of excellence within the College of Agriculture and K-State Research and Extension. We compiled feedback from all the units and the Advisory Council, to generate four central themes.

Those themes are: *Food safety and security* (a hallmark of K-State) – keeping food safe from field to fork; *Bioeconomy* – ensuring our economic future through bioenergy, bioproducts, and bioprocessing; *Integrating agriculture* – meeting the needs of producers from small organic growers to global food distributors; *Human Resource Development* – encouraging youth through college to become more interested in science and math to take their place in the changing world.

Team leaders have been assigned to each theme and are defining how to proceed in these areas of excellence. I will keep you informed of progress.

Collaboration and partnerships are important to the success of our programs. This issue highlights our collaborative efforts with the grain commodity commissions. Their support provides what I call “do dollars” – the resources to do the work in the field. Future issues will discuss support from some of our other partnerships.

K-State Research and Extension has a long history of efficiently getting information to Kansans, so we are playing a major role in the university's effort to become more involved with

community development. We will continue to refine our linkages around the state to help bring K-State resources to the people.

I'd like to point out a few alumni mentioned in this issue – Wendy Wintersteen, entomology, dean of agriculture at Iowa State; Mostafa Qrunfleh, horticulture, Minister of Agriculture in Jordan; Adrian Polansky, agronomy, Kansas secretary of agriculture; Lawrence Johnson, food science, director of the Center for Crops Utilization Research at Iowa State; and Dee Likes, animal sciences, executive director of the Kansas Livestock Association. What great role models!

The third annual Wild4Ag Weekend is May 4-5. You're invited to play some golf at Colbert Hills; visit the Manhattan campus; attend a reception to honor our alumni award winners; and meet graduating seniors for dinner at the Alumni Center. Fill out the form on the inside back cover of this issue to reserve your space at the celebration.

This issue shows our present excellence through people and what they are doing, as well as programs and how they serve our clients. K-State Research and Extension provides solutions to real-life problems. I like to borrow the motto from the 4-H program to define my duties. As dean and director, my job is to “Make the Best Better.”

Fred A. Cholick  
Dean and Director

# K-State College of Agriculture AgReport

Spring 2007

College of Agriculture  
and the  
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## On the cover

Pausing for a photo are (from left) Brendan Donnelly, former grain science department head; Hal Ross, mill namesake; and Fred Fairchild, milling management professor, after the dedication of the Hal Ross Flour Mill.

Photo by John LaBarge/J&C Imaging

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Dallas Seifers (left), plant pathologist, and Jeff Ackerman, research assistant, study a new wheat virus.

Bob Holcombe

### Researcher Finds New Wheat Virus

K-State plant pathologist Dallas Seifers has found a virus never before detected in wheat.

"We just found it in this year's growing season," said Seifers, who has worked at the Agricultural Research Center-Hays since 1982.

Although the virus was found in multiple locations around the state last spring, including university fields and privately owned land, there was no indication that it had a significant yield impact on the 2006 wheat crop, he said.

Once Seifers discovered the disease, he worked through several processes to rule out other known diseases before concluding that this was a new one.

The virus, which Seifers is calling triticum mosaic virus, seems to have affected cultivars that have been developed for their resistance to wheat streak mosaic, he said. Visually, the virus' disease symptoms resemble several other viruses, including wheat streak mosaic.

There are still many unknowns about the disease, Seifers said, including what impact it might have on yields in coming years, how widespread it was in 2006, and what sort of weather conditions it favors.

### New Grant Funds Climate Change Effort

The Department of Agronomy received a one-year grant of \$1 million from the Robertson Foundation, New York, for outreach and research efforts on how agricultural soils can reduce global warming.

The grant will be used to fund the ongoing efforts of the Consortium for Agricultural Soils Mitigation of Greenhouse Gases, a group of scientists and educators at 10 institutions throughout the nation, said Chuck Rice, K-State professor and national director of the consortium.

"With proper management, such as no-till, organic carbon levels in soils can be increased. Increasing soil carbon levels – a process called 'soil carbon sequestration' – helps reduce carbon dioxide levels in the atmosphere. Soil carbon sequestration is one of the most cost-effective available ways to reduce greenhouse gases," he said.

Agriculture also can help mitigate climate change through practices that use less fossil fuel and by producing bioenergy crops to replace fossil fuels. The agricultural practices used to mitigate climate change have the added benefit of also improving soil and water quality, Rice said.



Virginia Moxley

New Boston Creative Group

### Virginia Moxley Selected Dean of Human Ecology

Virginia Moxley has been named dean of the College of Human Ecology. She had been interim dean since January 2006. Previously, she had been senior associate dean for scholarship and research in the college. From 1985-2005, she served as associate dean for academic affairs in the college.

As dean, Moxley will oversee all work of the college, including K-State Research and Extension programs in family and consumer sciences.

She chairs the National Association of State Universities and Land Grant Colleges (NASULGC) Board on Human Sciences Academic Affairs Committee.





Bob Holcombe (2)

### Pratt County Program Promotes 'Strong Women'

A strength-training program for women is making a difference in the health of women ages 30 to 80. Participants meet twice a week to exercise and build friendships.

Pratt County family and consumer sciences agent Jean Clarkson-Frisbie started the Strong Women program in October 2000, after reading a book on the benefits of strength training for women. She began writing a news column on the topic, and soon she was flooded with phone calls from women interested in such a program.

In its first year, 24 women enrolled in Pratt County's Strong Women program. Since then, 350 women have participated.

The program encourages appropriate weight lifting and strength training for better health. The women bring their own weights – most are two- to five-pound dumbbells and ankle weights – and work on repetitions.

"The Strong Women program is designed to motivate individuals to exercise by being in a group," said Clarkson-Frisbie.

Many of the women who have participated have improved their lifestyles and health.

"Doctors have commented about the participant's increased bone density scans and an improved resistance to osteoporosis," said Clarkson-Frisbie. "The women claim to be more agile, have improved flexibility, have less pain, and most importantly feel better about themselves."

The program is based on curriculum designed by Miriam Nelson of Tufts University.



K-State president Jon Wefald (left to right), Ruth Ann Wefald, Shirley Acker, and former president Duane Acker at the unveiling of Acker's portrait.

### Acker Portrait Unveiled

Portraits of K-State's previous presidents are on display in the first floor hallway of Anderson Hall, K-State's administration building.

The newest portrait – former president Duane Acker – was unveiled late last year. Acker was K-State president from July 1975 to June 1986. He served as associate dean for resident instruction in the College of Agriculture from 1962 to 1966. He coauthored a textbook, *Animal Science and Industry*, that is now in its seventh edition.

Acker is a collaborative faculty member in the animal science department at Iowa State University. He has served in various roles at five state universities as teacher, student adviser, research scientist, associate dean for instruction, dean, director of research and extension, vice chancellor, and president.

The portraits had been displayed in various buildings. Several were restored before being moved to Anderson Hall.

### National Honors for MAST Program



The Management, Analysis and Strategic Thinking (MAST) program received an honorable mention from the Association for Continuing Higher Education in the distinguished noncredit program category. The MAST program, offered through the Department of Agricultural Economics, helps farm managers improve the efficiency and profitability of their operations.

"The main benefit these farm managers got was the opportunity to improve their businesses and their management skills," said David Stewart, assistant dean of program development and marketing for K-State's Division of Continuing Education. "An overwhelming 96 percent of the participants said they would recommend the program to others, and that it was time and money well spent."

Calvin Grieder, Buhler AG; Warren Staley, Cargill; Jon Wefald, K-State president; Hal Ross; Dean Fred Cholic; Fred Fairchild, milling professor; and Brian Peterson, Archer Daniels Midland Co.; watch as Virgil Smail, department head, unveils the Hal Ross Flour Mill sign.

John LaBarge/J&C Imaging

# *A Grand Night for Milling*

The weather was perfect, the food delicious, the atmosphere festive, and the Hal Ross Flour Mill was resplendent bathed in purple light. It was truly a night to remember for the more than 400 who attended the dedication of the Hal Ross Flour Mill.

The crowd at the dedication looked like a who's who of the milling industry. Current and former grain science faculty, alumni, and representatives from the companies that contributed to the 22,000-square-foot, five-story mill gathered to see the culmination of nine years of planning.

Fred Cholic, dean of the College of Agriculture and director of K-State Research and Extension, welcomed guests and faculty to the dedication.

Cholic said he sees the new mill as an integral part of the grain science department and its unique program.

"The program is unique because it offers the three degrees of milling, baking, and feed production and its

connection to industry," said Cholic. "The industry and public we serve is changing, and we're changing with it."

*"The mill is the only one of its kind ... It offers current and future students the opportunity to learn the art and science of flour milling in a highly automated facility."*

This mill puts us in a position to deal with the changes in milling and address issues such as nutrition and health."

Morton Sosland, editor-in-chief of *Milling & Baking News*, was the master of ceremonies for the Oct. 20, 2006 ceremonies. His company, Sosland Publishing, printed a 40-page, full-color program that included the history of K-State milling and featured the donations of approximately 50 contributors. The \$10 million Hal Ross Flour Mill was built and equipped entirely with private funds.

Sosland was joined on stage by Hal Ross, major benefactor for the Hal Ross Flour Mill; Jon Wefald, K-State president; Cholic; Warren Staley, chairman and chief executive officer of Cargill; Brian Peterson, senior vice president of corporate affairs for Archer Daniels Midland Co.; and Calvin Grieder, CEO of Buhler AG.

The mill was named for Hal Ross (BS '49 milling science and management), whose initial donation in 2001 was instrumental in bringing the mill project to completion.



Ross also earned a degree from the University of Kansas School of Law in 1952 then returned to the family milling business. Under his leadership, Ross Industries became the ninth largest flour milling company in the United States.

The Ross facilities were sold to Cargill in 1974. Today, the Ross mills in Wichita, Newton, and Wellington are operated by Horizon Milling, a Cargill/CHS joint venture, which continues to produce a large percentage of the wheat milled in Kansas. Ross is now an attorney in Wichita and helps to administer the Ross Foundation.

"It's so satisfying for me to know that Kansas State University has a grain science program backed by cutting-edge technology and fully supported by industry leaders," said Ross. "Former grain science students and others the world over must be cheering the university's progress. What a memorable and meaningful dedication!"

President Wefald was honored at the dedication for his support for the Grain Science and Industry Complex. He received a brass grain probe and an

engraved plaque. A duplicate plaque is displayed in the mill entrance.

Wefald's ties to the milling industry started as a boy and continue today. His father, Olav, was a grain inspector in Minneapolis, Minn.; Sioux Falls, S.D.; and Minot, N.D. The probe – which is inserted into a load of wheat to pull a sample for grain quality and moisture – symbolized the many hours that Wefald spent drawing wheat samples. Wefald also has been a member of the Cereal Foods Processors board of directors for at least 15 years.

"I may be the only university president who reads *Milling & Baking News* each week," stated Wefald.

Many faculty members had a major part in getting the flour mill built and equipped. Brendan Donnelly, department head 1996-2004; Virgil Smail, department head 2004-2007; Fred Fairchild, professor and professional engineer; and Kendall McFall, milling instructor, worked tirelessly with the department's milling faculty to make the project a success.

"The mill is the only one of its kind," said Fairchild. "The mill is small from a



Five past department heads attended the dedication: (from left) William Hoover (1966-1976), Charles Deyoe (BS '55 animal science) (1977-1992), Richard Hahn (MS '54, PhD '57, chemistry) (1992-1996 and current interim head), Brendan Donnelly (1996-2004), Virgil Smail (2004-2007).

## Hal Ross Flour Mill Contributors

ADM Milling Co./Archer Daniels Midland Foundation  
 American Ingredients  
 Armstrong International  
 Bay State Milling Co.  
 Brent Wall  
 Buhler Inc.  
 Bunting Magnetics  
 Cargill Inc.  
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 The Essmuller Co.  
 Tim and Sue Regan  
 Tramco  
 Venture Measurement

capacity standpoint, but the equipment is all full scale. It offers current and future students the opportunity to learn the art and science of flour milling in a highly automated facility.

“The mill building is of slipform concrete construction and represents modern-day construction practices used worldwide today. The building walls were slipped from ground level to its height of 72 feet in just 3½ days.”

After the dedication ceremonies, guests were given tours of the mill. Students, faculty, and equipment donors were available on each of the five floors



Kelley Sellers, bakery science and management student, rolls out seven-grain batards (loaves) for the gala as instructor Dave Krishock looks on.

Bob Holcombe

to explain what each piece of equipment does and how the mill operates.

The evening concluded with a gala in the International Grains Program building. Guests at the gala were treated to an extensive array – appetizers to desserts – of grain-based foods.

As the sun set, special lighting bathed the mill in purple with large white Powercats, celebrating the start of a new milling era at K-State.

—Gloria Holcombe



Alex Young (left), sophomore in milling science and management, explains the operation of a purifier to a guest touring the flour mill.

John LaBarge/J&C Imaging

### The Mill as a Teaching Tool

To help with training in the new Hall Ross Flour Mill, Buhler AG, Uzwil, Switzerland, established the Buhler Industrial Milling Instructor Chair to support a faculty member with industrial milling experience in the Department of Grain Science and Industry. Kendall McFall was named to the position. He coordinates a new continuing-education program that provides short courses and training modules for millers in the international and North American grain processing industries.

“The Hal Ross Flour Mill provides K-State students a number of training opportunities that weren’t possible in the mill located in Shellenberger Hall,” said McFall. “The new plant is equipped with the latest in milling technology, packaged to provide a flexible system for both teaching and research.

“The new wheat-cleaning system offers students a chance to operate traditional cleaning equipment integrated into a scale and yield management system that gives rapid feedback on equipment setup changes.”

Another new feature is the Sortex - Color Sorter, a machine made by Buhler AG, that uses cameras linked to high-speed computers to separate out individual kernels from a stream of wheat that might have germ or heat damage, by sensing their color differences.

“This technology is especially important to today’s rice and durum millers,” said McFall.

A powerful computer system controls both the mill and wheat-cleaning system.

“We can switch to a nearly manual mode that requires students to make all the necessary process and flow set decisions on their own,” said McFall.

In addition to the technologically advanced systems, the Hal Ross mill also has the capability of milling wheat from all the major wheat classes.

“Students will now be able to experience firsthand how milling hard wheat, is different from either durum or soft wheat before entering the workforce,” stated McFall.





Photos by Bob Holcombe

Last fall, K-State was chosen as one of four locations to show off Good

Video producer Steve Ballou worked with the Department of Agronomy to find a field that could be mowed and painted. Graphic designer Bob Holcombe oversaw the transfer of the small five-inch graphic into a 50-foot mowed logo. College of Ag Ambassadors recruited students to mow, paint, and attend the shoot.

The television unit videotaped the shoot. The unit had recently converted its cameras to high definition, which coincided with GMA's high-definition promotion. Frank said, "We asked Adam Sechrist if we could do the videotaping with our equipment." GMA agreed, and K-State's first-ever high-definition video aired on national television.



Deb Pryor, K-State television producer, videotaped the logo from a platform 30 feet in the air.

Morning America's new logo, and K-State Research and Extension was there to help.

Producers from the ABC morning show contacted K-State Research and Extension about promoting the new Good Morning America (GMA) look. After speaking with Adam Sechrist from GMA, Ron Frank, the Department of Communications' television unit coordinator, suggested using an alfalfa field to fashion the logo.

After the idea was accepted, there was less than a week to design the layout.



Students (left to right) Stacy Mayo, April Clydesdale, and Andy Gigstad paint a Powercat on a bale in the field behind the GMA logo.



Graduate students Chris Pachta, mowing, and Sarah Evert, raking, helped prepare the field for painting.

The filming aired on Sept. 6, 2006, to an estimated audience of 4 million households. GMA hosts announced that the students were from the Kansas State University College of Agriculture.

The students held an oversized banner promoting the Department of Agronomy centennial.

—KaCee Thompson



Grain commissions and K-State work together to form ...

# Successful Partnerships

When producers want to know about new crops and practices, how to reach new markets overseas, and new uses for Kansas products – they turn to K-State Research and Extension.

To answer those questions, K-State conducts research at the Manhattan campus and at centers and experiment fields around the state. Those efforts receive state and federal funding, grants, and private sector gifts; however, the Kansas grain commodity commissions are another important funding source for K-State Research and Extension.

“Support from the Wheat, Corn, Grain Sorghum, Soybean and Sunflower commissions is essential to fulfilling our land-grant mission,” said Forrest Chumley, associate director for research. “K-State Research and Extension faculty submit proposals to the grain commissions for consideration. The projects and amount of support vary from year to year. The commissions help fund crop breeding, international short courses, research on new uses for Kansas products, conservation practices, and other projects.”

## Checkoffs Fund Research

Over the years, the Kansas Legislature authorized grain checkoffs – the voluntary collection of a percentage of commercial grain



Bob Holcombe  
Allan Fritz, wheat breeder, examines wheat in a Throckmorton Hall greenhouse.

sales. Checkoffs were initiated to provide funding for research, market development, education, and promotion of agricultural products. The grain commissions manage the checkoff funds.

Bill Schapaugh, K-State soybean geneticist, has been involved with projects sponsored by the Kansas Soybean Commission since 1979.

Commission funds contribute to crop breeding activities, genetic studies, and some production-related projects on soybean variety differences,

performance, and characteristics. Developing disease- and insect-resistant varieties also are top priorities in crop breeding.

“Commission funds also support graduate students’ salaries,” said Schapaugh. “The K-State soybean breeding program has a long list of graduate students who have worked on drought-tolerance, genetic transfer, aphid resistance, and nematode resistance. Those graduate students have continued as researchers and crop breeders at K-State and other universities such as South Dakota State, or prominent agriculture-related companies such as Pioneer International and Monsanto. Several international students have returned to their native countries to develop programs.”

## Support for Wheat Breeding Programs

Allan Fritz, wheat breeder stationed at Manhattan, focuses on hard red wheat research. Joe Martin, wheat breeder at the Ag Research Center–Hays, has switched his focus to white wheat. Fritz and Martin have their specialties but work as a team. They collaborate and review each other’s results.

“K-State Research and Extension has a wonderful partnership with the Kansas Wheat Commission,” said Fritz. “The state funds salaries and facilities, the commission support gives



us operating funds to do what we need to do.”

Martin has been at Hays since 1974, and Fritz joined the team in 2000. Together they handle 17-20 sites across Kansas. “We could only do a fraction of those test plots without commission support,” said Fritz.

The K-State wheat breeding program has produced 38 varieties, with different resistance to leaf rust, drought, and viruses.

“K-State varieties occupy 48 percent of the planted acres in Kansas in 2007,” said Fritz. “Another 10 percent of the acres are blends, and most of those contain at least one K-State variety.”

Overley, a hard red winter wheat, is in its third year and has become the most popular wheat variety in Kansas. Varieties usually have a useful life span of 8-9 years because either the disease resistance breaks down or something new comes along, said Fritz.

A recent report, *Agronomic and Economic Impacts of Kansas Agricultural Experiment Station Wheat Breeding Program 1977-2005*, shows a total economic benefit of \$88.7 million per year, in constant 2005 dollars, for the 29-year period.

### **Sorghum – a Major Kansas Crop**

The Grain Sorghum Commission helps support K-State’s sorghum breeding program led by Mitch Tuinstra. In addition, it funds a broad array of topics including research on insect and weed control.

“There are not as many funding sources for sorghum as for wheat and soybeans,” said Dave Mengel, professor and former agronomy department head. “Kansas is the No. 1 sorghum producer; however, traditional industries consider sorghum as a minor crop, so they don’t contribute as much funding for sorghum research.”

The commission has been helpful in creating the Great Plains Sorghum Improvement and Utilization Center at K-State, said Mengel. It conducts studies on soil fertility, crop physiology, insect and weed control, utilization for human food, and related economic issues.



Staff at the BIVAP building use the Injection molder to produce plastics from renewable ag feedstock.

Kevin Lickteig (BS ’82, animal science), Paola, is administrator of the Kansas Grain Sorghum Commission.

“The commission appreciates K-State’s support for sorghum research,” said Lickteig. “Sorghum is the only Kansas crop that has been gene sequenced. With the new crop physiologist, Vara Prasad, and geneticist, Jianming Yu, we are on the cutting edge with sorghum research.”

### **Funds for International Marketing**

The Kansas Wheat, Corn, and Soybean commissions provide funds for International Grains Program short courses. These intensive courses educate foreign business leaders and government officials about U.S. grains and oilseeds through technical training and assistance programs in storage and handling, milling, marketing, and processing.

The IGP short courses are conducted in the IGP building on Kimball Avenue northeast of Bill Snyder Family Stadium in Manhattan. IGP was the first building completed in the Grain Science and Industry Complex. It was built with private contributions, including funds from the Kansas Wheat and Corn commissions.

### **New Uses for Kansas Products**

The Wheat and Soybean commissions help fund research at the Bioprocessing and Industrial Value-



The Kansas Wheat Commission was created by the Kansas Legislature in 1957 to conduct a campaign of development, education, and publicity and to find new markets for wheat and wheat products.

Since its creation, the Kansas Wheat Commission has worked in the areas of domestic market development and nutrition education, international market development, research, and information for the benefit of the state’s wheat producers.

Research at K-State has provided the development of new wheat varieties, new industrial uses of wheat, and improved production practices, to name a few.

In celebration of the Kansas Wheat Commission’s 50th anniversary, it is publishing a book, “Kansas Gold,” which documents the Kansas wheat industry from the 1950s to today. To order a copy of this book, visit [www.kswheat.com](http://www.kswheat.com).

– Marsha Boswell





KSU Photo Services

Souley Soumana (left), sorghum research assistant from Niger, discusses K-State sorghum research with Seydou Ouedraogo, a producer from Burkina Faso, West Africa.

Added Program (BIVAP), next door to IGP. BIVAP concentrates on three bioconversion processes – extrusion, bioprocessing, and fermentation.

The extrusion process uses water and heat to convert agricultural products into other products. Cheese puffs and breakfast cereals that humans consume and some animal feeds are extruded products. Bioprocessing involves chemically or thermally modifying renewable agricultural materials into plastics, adhesives and, other industrial products. Fermentation involves bioconversion of simple sugars into complex organic molecules such as biofuels or industrial chemicals.

“We are looking at uses for processing byproducts – such as wheat bran from flour milling, wheat straw, and soy hulls – as renewable cellulosic resources for conversion into ethanol,” said Ron Madl, director of BIVAP. “Most of the ethanol plants in production now are starch-based. Starch can’t provide enough feedstock to substantially reduce the country’s energy dependence.

“We’re looking at the next level to help abundant, renewable cellulosic resources from agriculture have a significant impact on meeting our transportation fuel needs.”

### Practices Affect Crop Choices

Alan Schelegel, agronomist at the Southwest Research-Extension Center

Tribune facility, has been conducting commission-sponsored research on water depletion for six years.

“Depletion of the Ogallala Aquifer is a major concern in western Kansas,” said Schlegel. “We are looking at how having less water or choosing to pump less water will affect yields and ultimately profitability. Funds from the Corn, Grain Sorghum, and Soybean commissions help cover the overall costs of doing irrigation research.”

Commissions also fund research on tillage practices. The Northwest

Research-Extension Center in Colby is conducting a tillage and irrigation capacity study funded by the Kansas Corn Commission.

In 2002, the Kansas Corn and Kansas Grain Sorghum commissions sponsored scholarships to encourage enrollment in the newly established Management, Analysis and Strategic Thinking (MAST) Program. The MAST program combines face-to-face workshops with distance education to deliver high-level farm management information to farmers and ranchers. The program focuses on the development of analytical skills to allow producers to make better decisions.

Some other projects for 2008 to be funded in the Department of Agricultural Economics: “Grain Marketing Research and Education in Support of Kansas Corn Producers and Kansas Soybean Producers,” “Improving Kansas Wheat Profitability through Variety Portfolios,” and “Enhancing Commercialization Opportunities for Kansas Wheat.”

The Kansas Department of Agriculture Web site – [www.ksda.gov/kansas\\_agriculture/content/152](http://www.ksda.gov/kansas_agriculture/content/152) – has links to all commission Web sites.

At K-State, contact Forrest Chumley by phone 785-532-6148, or e-mail [fchumley@ksu.edu](mailto:fchumley@ksu.edu).

—Gloria Holcombe



Bob Holcombe

An agronomy graduate student harvests soybeans at a university field near the Manhattan campus.



# Addressing Communications Needs at the BRI



Sen. Pat Roberts stands beside the sign for the new K-State building that bears his name.

KSU Photo Services

Technology and communications are important functions of the new Biosecurity Research Institute (BRI), and the Department of Communications is playing a vital role in those areas.

The BRI is a "technological marvel," said Will Baldwin, communications

staff member and associate director of information technology at the institute. "This one-of-a-kind building has food, animal, and plant security research all under one roof. The facility provides a place to study pathogens and pests that are a threat to agriculture."

Baldwin said all the instruments are computerized and the building runs on information technology. He is designing an electronic link between the classroom and the labs, so people can see secured areas of the facility without actually being in them.

Kris Boone, department head, said the agricultural communications and journalism capstone class is working with the institute to create a strategic communications plan. She said the department also helped the facility decide how to present messages for the opening.

Ron Frank, television unit coordinator, helped create video footage for a walking tour of the facility.

The Biosecurity Research Institute housed in Pat Roberts Hall was dedicated on Oct. 27, 2006.

The \$54 million facility was named after Kansas Sen. Pat Roberts, former chairman of the Select Intelligence Committee.

## New Center Supports Kansas Communities

Supporting Kansas communities is a primary goal for K-State's new Center for Engagement and Community Development (CECD) said David Procter, director of the new center.

Procter, who is the former head of the Department of Speech Communication, Theatre and Dance, stated that "the new center is a one-stop place for community leaders to find out what K-State can do to help them solve community challenges and problems."

"We want to apply K-State's resources and expertise in issues of community development across Kansas," said Procter.

As director of the new center, Procter will provide leadership for engagement, encouraging communities and faculty to partner with one another to address important community issues. K-State has adopted a definition of engagement where teaching, research, extension, and service are connected with community stakeholders outside the university.

The center also will collaborate with K-State Research and Extension and all county/district agents throughout the state. Dan Kahl is the liaison between the center and K-State Research and Extension.

"We are looking for ways to integrate the work and resources of the entire university with that of K-State Research and Extension – even more than it is already," Kahl said.

The CECD will encourage creative ideas for engagement across the system.

"We will ask K-State faculty and staff to identify projects they could implement to meet local and community needs. We also will look to communities and other interested parties to identify other public issues and important community development needs that could be effectively addressed through K-State collaborative work," said Kahl. "Once we have identified the needs, we can pull together the appropriate teams to address those needs."

K-State Research and Extension has been practicing engagement for the last 100 years, said Fred Cholick, dean of the College of Agriculture and director of K-State Research and Extension.

"With an agent in every county, K-State Research and Extension has established a strong network across the state. The Center for Engagement and Community Development will allow that network to gain more depth," said Cholick. "I view it as an opportunity to combine the fabulous resources K-State has across campus," Cholick said.

"Community and economic development have always been important goals for K-State," Cholick said. "This center will provide us with a structure to convert opportunities into realities for communities across Kansas."

For more information, contact Dan Kahl by phone 785-532-6868 or e-mail [dankahl@ksu.edu](mailto:dankahl@ksu.edu) or visit the CECD Web site at [www.k-state.edu/cecd](http://www.k-state.edu/cecd).



# New Project No Longer Under 'WRAPS'



Jay Warner, McPherson County, stands next to the sign about the Integrated Agricultural Management Systems site on his property.

We all want to drink clean water, swim in clean water, eat fish that came from clean water, and enjoy rivers and lakes that are healthy and full of life. To ensure water quality, the WRAPS program seeks citizen and stakeholder input on how to best manage and protect our watersheds. It then combines local, state, and federal program resources to meet its goals.

WRAPS stands for the Watershed Restoration and Protection Strategy, which is a planning and management framework to encourage stakeholders within a particular watershed to: identify watershed restoration and protection needs, establish management goals for watershed communities, and create cost-effective plans.

## What is a watershed?

A watershed refers to an area of land that drains to a common water body, such as a lake or stream. Watersheds vary in size and shape. Large watersheds are composed of smaller ones.

The term "WRAPS" was coined by the Kansas Department of Health and Environment (KDHE) in response to the 1998 Clean Water Action Plan, which directed the environmental agency and the conservationist of each

state to complete a unified watershed assessment.

Watershed planning and management is not a new concept in Kansas. Since the 1950s, watershed districts – with federal and state assistance – have been developing and implementing general watershed plans to address flooding and erosion concerns.

Stakeholders include anyone with an interest or who derives value from the watershed's resources. In reality, everyone who lives in a watershed is a stakeholder in the restoration and protection of that watershed. Urban and rural residents; local, state, or federal government agencies; elected officials; agricultural producers;

recreational users; and wildlife enthusiasts are all stakeholders.

## Best Management Practices

K-State's Office of Local Government is the lead agency for the Kansas Urban Water Quality Restoration and Protection Initiative. They work with Kansas Biological Survey, KCARE (Kansas Center for Agricultural Resources and the Environment), and the KDHE Watershed Management Section to help Kansas watershed specialists develop WRAPS programs throughout the state.

Craig Smith, watershed economist, is part of the K-State WRAPS technical team. Others on the team include Robert Wilson, watershed planner; Pouyan Nejadhashemi, watershed modeler; and Sue Brown, watershed reporter. As a team, they are involved in approximately 13 of the 25 active WRAPS projects across the state.

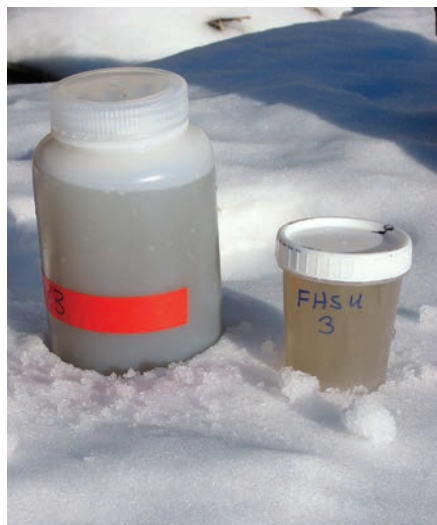
Wilson helps organize and facilitate the local stakeholder meetings, and Nejadhashemi models the watershed to determine where pollutant loads originate. Along with Smith, the modeler also determines where Best Management Practices (BMPs) can be targeted in the watershed to improve its quality at the lowest cost. Brown compiles the stakeholders' thoughts and decisions into a report.



Philip Barnes, associate professor in the Department of Biological and Agricultural Engineering, explains automated water sampling near a stream in McPherson County.



"My main purpose in a WRAPS project is to provide useful information to the stakeholders as they develop their plan," commented Smith. This includes helping them decide which, if any, BMPs will work based on the economic and environmental benefits and costs of each; providing them with the benefit-



Two water samples from snow melt taken from Hays, which goes into the Big Creek Watershed.

cost information they need to develop a cost-effective watershed management plan; and evaluating the watershed and assessing progress after the plan has been implemented.

He is currently involved with the Tuttle Creek Lake WRAPS project,

which has problems with erosion and sedimentation. There are many (ag, urban, and industrial) BMPs that are capable of reducing erosion and sedimentation. There are also many locations within the 9,600 square mile watershed in which they can be placed.

"My challenge is coming up with a series of plans that give the 'biggest bang for the buck' to improve the quality of the watershed at the lowest cost. This will provide the stakeholders with another piece of information to help them decide on a course of action," Smith added.

Some of the other projects within the state include the Lake Olathe Watershed Protection Plan; WRAPS for Marais Des Cygnes, Little Arkansas, River; Smoky Hill, Big Creek, and Fall River watersheds; Water Quality Protection Codes and Ordinances publication series; and a Healthy Communities Workshop.

### WRAPS Gets National Attention

"WRAPS is one of the biggest and most successful efforts we have had in water quality," stated Bill Hargrove, director of KCARE.

WRAPS is finally getting the attention it deserves ... even at the national level. At a conference of the American Water Resources Association in Arlington, Va., Agriculture Secretary



Courtesy of Stacie Minson

Bob Stephenson (left) and James Leiker from Fort Hays State University, take water samples at one of the monitoring sites in the Big Creek Watershed.

Mike Johanns mentioned the Cheney Watershed Project. The Cheney Watershed encompasses land in five counties – Sedgwick, Reno, Kingman, Pratt, and Stafford, with the majority in Reno County.

"In the Cheney Watershed in Kansas, sediment contributions from ephemeral gullies, as well as streambed and stream bank contributions, have been measured over the last few years," stated Johanns. "This information has allowed the Cheney Watershed to be modeled before and after conservation measures were applied to programs such as the Conservation Reserve Program, (CRP)."

Johanns added, "We are applying the same techniques to other watersheds around the country. Now for the first time ... ecosystem services can be quantified and then given a value, the value they deserve.

We expect to have complete results from this program available in 2008, and I believe that this analytical approach will become an enabling platform for ecosystem markets."

For more information on WRAPS, go to [www.kswraps.org](http://www.kswraps.org).

—Samantha Vogts



Courtesy of Ron Graber

K-State Research and Extension agents Dale Ladd (McPherson County) and Greg McCormack (Reno County) and Rod Schlender, program assistant, inspect an automated water sampler at an I.A.M.S. field demonstration site in McPherson County.





Dave Mengel (center), professor and former department head, talks with Dave Whitney (right), retired extension state leader, and Larry Murphy, former faculty member.

At the banquet, Gary Pierzynski (center), department head, commends Gary Paulsen (right) and Gerry Posler for their hard work compiling the department history, *A Century Remembered*.



Clarence Swallow, retired farm manager, shows changes in farm equipment.

## K-STATE AGRONOMY



More than 300 alumni, faculty, students, and retirees celebrated the Department of Agronomy centennial on Sept. 29-30, 2006. The event featured a field day at the agronomy farm, an open house at Throckmorton Hall, and a banquet at the K-State Alumni Center.

To order centennial memorabilia or to view more photos, go to the department Web site [www.agronomy.ksu.edu](http://www.agronomy.ksu.edu).

Photos by Marsha Landis



Clyde Wassom (right), professor emeritus, reminisces with an alumnus before the centennial banquet at the Alumni Center.



Dave Reisig (BS '70 agronomy), listens intently as Allan Fritz, wheat breeder, talks about advances in wheat breeding. Fuller, the newest hard red winter wheat, was named for Herbert Fuller Roberts, the botanist who started the selection program in 1906.

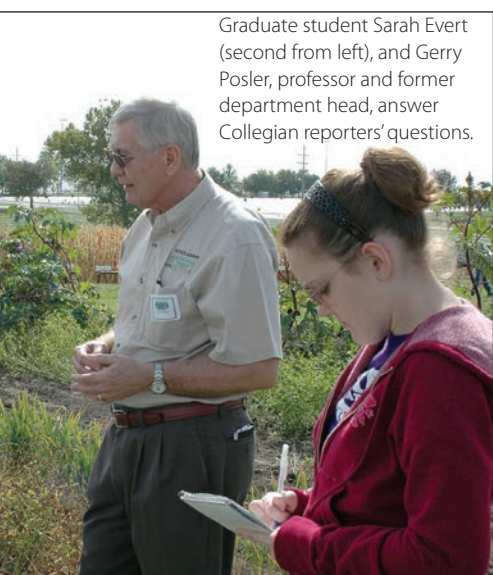




Soil microbiologist Chuck Rice (right) explains carbon sequestration to Steve Clanton, a farmer from Minneapolis.



Andy Auld, assistant scientist, prepares tissue for DNA extraction during the Open House in Throckmorton Hall.



Graduate student Sarah Evert (second from left), and Gerry Posler, professor and former department head, answer Collegian reporters' questions.



Jeff Wichman, K-State Radio Network, interviews Jim Shroyer, extension state leader.



Dallas Peterson, extension weed specialist, gave a presentation on herbicide developments at the field day.

Dean Fred Cholic displays his copy of the centennial print made from the original painting by George Dille.





## Agricultural Education:

# More Diverse than Ever

**Walking down the halls of Southwestern Heights High School in Seward County, Spanish chatter fills the air. Half the faces are Hispanic, and many of the students can speak English and Spanish interchangeably. K-State graduate Carmelita Goossen sees this as an opportunity for agriculture.**

Goossen said she always knew she wanted to teach. In high school, her older sister encouraged her to get involved in FFA. Her positive experience with the program helped her recognize her passion for agricultural education.

She had another passion she wanted to consider as well. She wanted to pair her enthusiasm for agriculture with her appreciation for diversity. At K-State, she majored in agricultural education with minors in international agriculture and Spanish. She also earned an English and Secondary Language Endorsement.

"I wanted to find a place where I knew I could make a difference," Goossen said. "I was specifically looking for a school that had a diverse population."

Growing up in Goessell, Kan., she was one of the few multicultural people in the community. She knew she'd likely have to take a teaching job in southwest Kansas, to find the kind of environment she was looking for.

After graduating in May 2006, Goossen filled the place of a retiring agriculture teacher at Southwestern Heights High School, a 3A consolidated school close to Liberal.

Although the school is 50 percent Hispanic, that cultural mixture doesn't infiltrate into the agriculture classes. Goossen said most of her FFA students are white males who will have production agriculture careers.

She's trying to branch out and encourage more nontraditional students to join the program. She hopes to bring ethnic and urban diversity to her classroom.

"FFA is changing as agriculture changes," she said. "In the 1980s the organization changed its name from Future Farmers of America to recognize a transformation. We're not just farmers anymore. I want to make sure students know anyone can join."

Goossen said she's thankful to have an opportunity to reach these nontraditional students. At Southwestern Heights, all freshmen take a rotational class where they sample different elective courses.

Goossen spends nine weeks with each group, teaching them about sectors of agriculture from plant science and animal science to marketing and technology. She hopes the broad spectrum of topics covered will help students realize that the industry offers diverse opportunities.

### Teaching as a Second Career

The wide variety of topics that agricultural education covers is one reason Russ Baxley chose it as his major.

"I wanted a degree that I could do lots of different things with even if I decided not to teach," Baxley said. "In agricultural education you can take basic courses from all the different departments of agriculture and the college of education as well."

For Baxley, the versatility of agricultural education made it a perfect fit; however, he still had a difficult decision to return to school. After graduating from high school in 1988, Baxley spent eight years in the Air Force. Then, he studied ag education at the University of Arizona. He took a break from school, and spent seven years working in the telecommunications industry, first in Texas and then back in his home state of Kansas. Baxley said he was excited to be back in Kansas but wasn't satisfied with the telecommunications industry. He knew he'd like to go back to school, but he had some concerns about being a nontraditional student.

"I longed to get back to my agricultural roots," Baxley said. "I had 150 hours of college already, so I just pulled the trigger and enrolled at K-State."



Carmelita Goossen with students from her freshman Agricultural Explorations class.

Photos by Bob Hixson



Baxley's now in his final semester at K-State, although he's a long way from Manhattan. Agricultural education students spend their last semester student teaching. Baxley's assignment is at Northern Valley High School in Almena, Kan., which is in the northwestern part of the state.

The transition to student teaching has been challenging for Baxley. Most education majors do their student teaching within 50 miles of Manhattan; agricultural education students have to go farther because only three FFA chapters are within that distance.

"Since I'm 36, I've already had a first career and have financial responsibilities. I'm ready to get a job," Baxley said. He hopes to find a teaching position close to home – his farm near Iola, Kan.

### **Job Opportunities for Ag Education Graduates**

According to K-State agricultural education professor Clark Harris, Baxley's prospects look good.

"For the past ten years, 100 percent of our students have gotten a teaching offer," Harris said. "A lot of companies are interested in our students because of the broad background in agriculture as well as their human relations skills from group work and presentations."

Harris said some students are selecting ag education for that very reason. While a majority of the students say they chose the program because they had been influenced by their ag teacher and wanted to give back in the same way, this is changing.

The department now has two or three students enroll each semester who weren't involved with ag education in high school, said Harris.

"We also have students who aren't sure what they want to do but like the flexibility and wide range of subjects the program offers," he said.

"It's hard for an 18- or 19-year-old – who just got out of that environment –

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*"For the past 10 years,  
100 percent of our  
students have gotten a  
teaching offer."*

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to say he or she wants to teach high school agriculture."

Another change is more women in agriculture. Harris said he can remember when Kansas only had two or three female agricultural education teachers. On the national level, 30 percent of agricultural education teachers are now women. Harris said the K-State

program is split about half male and half female.

Another big change is a national push for more urban FFA chapters. Plans are in the works for a chapter in Wichita, and FFA chapters in rural areas have expanded. Last year, five programs added a second teacher.

With more jobs becoming available, the demand for agriculture teachers will be greater. On average, 28 agricultural education positions are open in Kansas. K-State typically graduates 10 to 12 students a year, Harris said.

It's not just a local issue – 48 states have agriculture teaching shortages.

K-State's agricultural education department is beginning to recruit students, something it hasn't done in the past. They've developed brochures and a Web site to help get information out. Also they've been attending K-State's Discovery Days, which brings about 500 4-H members to campus, and are planning an agricultural education workshop for the summer.

With the help of Kansas teachers, they've compiled a list of 144 prospective students, Harris said.

One current agricultural education student, John Bergin, is sure he would have been on this list. Bergin was involved in FFA throughout high school and served as a state officer in the organization.

"I hope we can pull in more students with the new recruitment efforts and help with the teacher shortage," said Bergin. "I think people will choose agricultural education when they realize that you can do anything with an agricultural education degree. And those who want to teach will be influenced by the diverse options in ag education programs."

For more information, go to [www.coe.ksu.edu/ageducation](http://www.coe.ksu.edu/ageducation) or call Harris at 785-532-6757.

—Chelsea Good



Russ Baxley with students in the Northern Valley High School greenhouse.





Bob Holcombe (4)

Cynthia Hoffman, junior in agricultural communications and journalism from Chapman, offers refreshments to Michael Kanost, biochemistry department head, after he donated blood. Hoffman chairs the K-State blood drive and volunteers at other Red Cross drives. Hoffman received 16 units of blood after surgical complications in 2003. When she needed blood, her community came forward to help. Now she is returning the favor by helping promote blood donations. "I wish donors could see the faces of the people who receive their blood. Putting a face with the donation makes a difference. This is the greatest gift they can give," said Hoffman.



ADM Scholar Emanuel J. Arnold (center), a senior in milling science and management from Junction City, visited with Roy Robinson at the flour mill dedication. Robinson (BS '70 milling science and 2005 Alumni Fellow) is vice president of communications, education, and investigations for the Office of Compliance and Ethics at Archer Daniels Midland. Also pictured is Zelia Wiley, assistant dean for diversity programs.



Sixty-five employers set up booths for the Agri-Industry Career Fair in the K-State Union on Jan. 30. More than 370 students registered for the event. At left, Caleb McNally (BS '05 agricultural technology management), representing Syngenta, visits with Shelby Haag, sophomore in agricultural communications and journalism. Below, Daniel Mushrush, senior in agribusiness, listens to a Cargill representative.





### Ag Econ Student Competes in National Discussion Meet

Sarah Sexton, senior in agricultural economics, was one of four finalists in the discussion meet of American Farm Bureau Federation's Young Farmers & Ranchers Leadership Conference.

Sexton competed against 26 other students and won a seat on stage with students from Tennessee, Montana, and Wyoming. The topic for the discussion meet was "What are the effects of animal ID on U.S. agriculture?" She earned a \$1,250 scholarship. She is currently an intern for USDA in Washington, D.C.

### Judging Team Scores Record High

The KSU Livestock Judging Team took first place at the Denver Livestock Show, with an all-time record score. Winning team members were Tyler Atwood, John Mrozinski, Cody Palen, Brigham Stewart, and Donald Sunday.

Mrozinski also captured high individual overall honors, with Stewart placing fifth and Palen placing ninth. The team is coached by Scott Schaake and Brandon Callis.

### MANRRS Hosts Regional Meeting

The K-State Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS) chapter hosted the regional meeting in November at the International Grains Program building.

Students from various universities attended the conference to gain leadership skills, listen to speakers from industry, and participate in the regional business meeting.

### BSM Student Vies for Truman

Molly Kuhlman, junior in bakery science and management from Ness City, is a candidate for a \$30,000 Harry S. Truman Scholarship.

She is a member of the K-State Student Foundation; Ag Council; Silver Key, Phi Eta Sigma, and Alpha Mu Grain Science honoraries.

Truman scholars are selected on the basis of leadership potential and communications skills, intellectual strength and analytical ability, and likelihood of "making a difference" in public service.



Bob Holcombe

Cheering on the Wildcats are (left to right) Ramone Lowe, Becky Brennan, and Adam Johnson. Lowe and Carmen Richardson (not pictured) are pre-veterinary medicine majors. Brennan is an animal sciences and industry major. Johnson is majoring in horticulture. Like other K-State athletes, cheerleaders have a rigorous training, practice, and travel schedule in addition to classwork.

KSU Photo Services



Lucas Maddy, student body president and senior in agricultural technology management, shakes hands with President Bill Clinton before Clinton's Landon Lecture on March 2, 2006. Gov. Kathleen Sebelius and Roger Adams, K-State Faculty Senate president, also are pictured.



## Agricultural Economics

**John Crespi**, associate professor, has been named associate editor of the Journal of Agricultural & Food Industrial Organization.

## Agronomy

**Chuck Rice**, professor, has been selected by Mike Johanns, U.S. agriculture secretary, to serve a two-year term on the Agricultural Air Quality Task Force. The 29-member task force includes noted scientists and experts in agriculture, industry, health and science from 16 states. The task force will tackle diverse air quality issues such as carbon sequestration, the reduction of criteria pollutants, ozone and ammonia emissions, greenhouse gases, and the enhancement of opportunities for environmental trading markets for agriculture.

**Kassim Al-Khatib**, professor and weed physiologist, has been elected president of the Council for Agricultural Science and Technology, a nonprofit organization with 173,000 members nationwide.

## Animal Sciences and Industry

**Daniel Y.C. Fung**, professor of food science, is the first scientist to be honored as a Distinguished Professor by the Universitat Autònoma de Barcelona in Barcelona, Spain. Fung was honored for his contributions as a keynote speaker and principal lecturer for the Spanish university's Rapid Methods and Automation in Food Microbiology Workshop series since it began in 2002.

**Jim Marsden**, regents distinguished professor, and his research team will be featured in "The Next Food Fight" in the April issue of *Reader's Digest*.

## Biological and Agricultural Engineering

**Mark Schrock**, professor, retired after 33 years at K-State. He also advised the Powercat Tractor Design Team. As a 2006-2007 Fulbright Scholar, he spent four months in the Philippines where he used his expertise in alternative and renewable fuels and machinery systems management to help modernize their agricultural industry.

## Biology

**Lorena Passarelli**, assistant professor, was the faculty/staff recipient of the 2007 Commerce Bank Presidential Award for Distinguished Services to Historically Underrepresented Students.

## Communications

The workshop, "Crisis Response Project: Ready, Set, Plan" sponsored by K-State, received the Region 8 Exceptional Program Award from the Association for Continuing Higher Education. **Kristina Boone**, professor and department head, chaired the workshop. Also honored were Betty Stevens, associate dean, and Debbie Hagenmaier, program coordinator, both from the Division of Continuing Education.

**Jill Miller**, systems engineer, received the 2007 Customer Service Award and **Gerry Snyder**, multimedia specialist, received the meritorious achievement award from the K-State IT units.

## Entomology

**Paul Flinn**, an adjunct professor of entomology and research scientist at the U.S. Grain Marketing Production and Research Center in Manhattan, received the Entomological Foundation

Award for Excellence in Integrated Pest Management.

## Human Nutrition

**Edgar Chambers IV**, director of the Sensory Analysis Center, received the international David R. Peryam Committee E-18 Award, an honor granted to individuals who best exemplify the life and career of applied sensory science pioneer, David R. Peryam. The award is given by ASTM International – the world's largest voluntary standards organization.

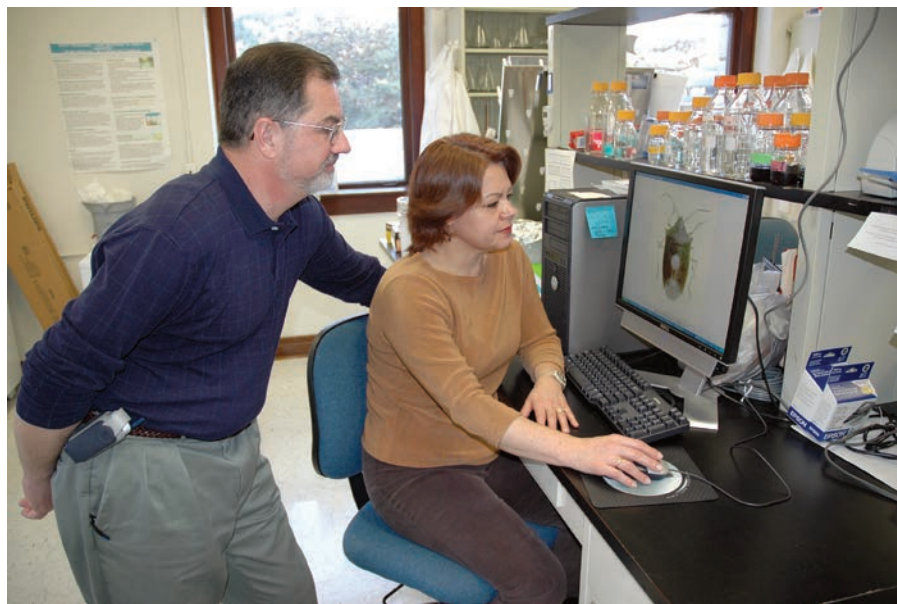
## Plant Pathology

**Bikram Gill**, university distinguished professor, has been elected Fellow of the Indian Academy of Sciences.

**Barbara Valent**, university distinguished professor, has been elected a Fellow of the American Phytopathological Society, an international scientific organization devoted to the study of plant diseases and their control.

## Statistics

**John Boyer Jr.**, professor and department head, received the American Statistical Association's Founders Award. He and his staff help compile data for K-State Research and Extension faculty.



Mike Smith, professor and former department head, was named a Fellow of the Entomological Society of America. He has been recognized as an international leader in research on plant resistance to arthropods with several crops, including clover, soybeans, rice and wheat. He has received more than \$4.9 million in extramural support for his research. In 2002, he was selected as a Fulbright Scholar.



## In Memorium

**Charles T. Bates Jr.**, Ada, Okla., died Sept. 20, 2006. He was appointed assistant county agent in Reno County in 1956. Later that year, he became the McPherson County club agent, serving there until 1959, when he entered graduate school at the University of Wisconsin. He returned in 1960 as an extension specialist in Boys and Girls Club work. His title was extension specialist, 4-H Youth when he retired in 1988.

**Ernest L. Mader**, 95, Manhattan, died Feb. 5, 2007. He was a professor of agronomy at K-State from 1948 until his retirement in 1982. He spent two years teaching at Sri Venkateswara Agricultural College located in Tirupati, Andhra Pradesh Province, India, and an additional two years at Central Luzon University in the Philippines. He also served as a consultant to Indonesia in Java, Sumatra, Celebes, Sulawesi and in Africa in Cameroon and Uganda on short-term assignments. Mader held numerous professional memberships. In 1977, he was named the FFA Honorary Farmer of the Year. The Mader Scholarship Fund has been established with the K-State Foundation.

**Jeffrey Pontius**, associate professor of statistics, died Aug. 28, 2006. His research involved projects dealing with the Konza Prairie and a federal study grant that attempted to assess the impact of military traffic on the ecology of Fort Riley.

**Mary E. Tucker**, Owasso, Okla., died on Feb. 17, 2007. She was an environmental family housing extension specialist from 1974 until her retirement in 1988.

**Steven Craig Wiest**, 55, Manhattan, died Jan. 8, 2007. He was a professor in the Department of Horticulture, Forestry and Recreation Resources from 1980 to 2003.



Gloria Holcombe

## Former Department Head Returns to Fill Interim Position

Richard "Dick" Hahn has been named interim head of the Department of Grain Science and Industry.

Hahn served as grain science department head from 1992 to 1996, when he retired from K-State. Since then, he has worked as a consultant in industry – specializing in research, grain processing, and commercialization of value-added products from agricultural raw materials.

Before his first term as department head, he was director of the Kansas Value-Added Center at K-State from 1989 to 1992. He also was a visiting professor at the University of Illinois from 1987 to 1989.

"Having served as department head for four years, Dick Hahn comes with a breadth of experience at the university level to fill the interim position and lead the department forward," said Fred Cholick, dean of K-State's College of Agriculture and director of K-State Research and Extension. "He also has retained excellent ties to the industry."

Hahn began his life in academia after he had worked in industry for more than 31 years. He was vice president for research, development, and quality assurance for A.E. Staley Manufacturing Co. in Decatur, Ill., from 1975 until 1987. He had also worked as a senior chemist and director of food and industrial products for Staley and for 11 years as a project leader for Harvest Queen Mills in Plainview, Texas.

Hahn earned a bachelor's degree in chemistry from Bethany College in Lindsborg and master's and Ph.D. degrees in physical-organic chemistry at K-State. He completed advanced management training in programs at Harvard Business School and a Mahler Associates MBA.

Cholick said that Hahn will serve a year or until the permanent position is filled. He succeeds Virgil Smail, who served as department head from 2004 until early 2007. Smail left to take a position with Ventria Bioscience Corp.





Ken Odde

## Alumnus Chosen as Animal Sciences Department Head

K-State alumnus, Ken Odde, was appointed head of the Department of Animal Sciences and Industry, effective Feb. 26, 2007.

Odde has been a professor and director of North Dakota State University's Beef Systems Center of Excellence since June 2005. The center is a public-private partnership designed to increase cattle feeding and processing in North Dakota. Previously, he served as head of NDSU's Department of Animal and Range Sciences.

The new department head also has been a manager of cow-calf technical services at Pfizer Animal Health and worked as a senior veterinarian with the Livestock Technical Services division of SmithKline Beecham-Pfizer Animal Health.

Odde was on faculty at Colorado State University for

11 years (1983-1994) in a teaching and research position specializing in beef cattle reproduction.

"I'm honored to have been chosen to lead the Department of Animal Sciences and Industry," said Odde. "This department has a great tradition of providing outstanding education for students and service to the animal industries through research and outreach. The needs of animal agriculture are changing and will continue to change. It is essential that the department is engaged with its customers and responsive to their needs. I look forward to the challenge of leading a department committed to serving these needs."

Odde has three degrees from K-State – a master's degree in reproductive physiology (1978) from the College of Agriculture, a DVM degree (1983) and a Ph.D. in reproductive physiology (1982), both from the College of Veterinary Medicine. He also earned a bachelor's degree in animal science from South Dakota State University in 1973.

"Livestock production is one of the most important industries we have in Kansas, and we're pleased that Ken has joined us as we work to stay on the cutting edge of new developments in animal husbandry and in food safety and security," said Fred Cholick, dean of the College of Agriculture and director of K-State Research and Extension. "As head of animal sciences and industry, he'll lead the department with the largest number of undergraduates in the college."

Odde has conducted research in such areas as artificial insemination, calving difficulty, endocrine control of postpartum anestrus, estrous synchronization, and factors influencing colostrum production. He has taught numerous courses and authored many scientific papers during his career.

He succeeds Janice Swanson, who served as interim department head for two years.



Keith Harmoney

Bob Holcombe

## Scientist Conducts Grazing Study

Keith Harmoney, rangeland scientist at the Agricultural Research Center-Hays, is conducting studies on modified intensive-early stocking by strategically moving cattle on and off grazing land.

Harmoney began his research in 1999. He is testing 104 head of Angus and Angus-cross cattle when they are approximately 600 pounds. The cattle are put on pasture the first week of May when vegetation is at its highest level of nutrition. After 75 days of grazing, the heaviest cattle are moved and the lighter cattle stay for the next 75 days.

From Salina into western Kansas encompasses an estimated 9 million acres of privately owned grazing land. If the modified system were part of a three-year rotational system on just 25 percent of that land, the economic impact of modified intensive-early stocking would be \$7.2 million per year.

"The results have been excellent so far, but with studies that involve grazing lands, many years are needed to determine the stability of the ecosystem once management tools are implemented," Harmoney said.



## Schurle Leads Agricultural Economics Department

Bryan Schurle, a 29-year veteran teacher and professor, became head of the Department of Agricultural Economics in August 2006.

"This is an important position, not just for K-State but also for the citizens and farmers in Kansas," said Fred Cholick, dean of K-State's College of Agriculture. "We live in a vibrant agricultural economy, and the leadership of K-State and other land-grant universities is extremely important to the country's economic success.

"I'm really excited to have Bryan in this position and value his leadership as the department works to provide information to farmers in Kansas and beyond."

Schurle, a native of Clay Center, has taught at K-State since 1977.

He began his career in higher education at The Ohio State University, where he earned a master's degree in computer and information science and a doctorate in agricultural economics.

Since January 1999, Schurle has been a university distinguished teaching scholar and professor in the Department of Agricultural Economics. He has taught numerous undergraduate, graduate, and distance-education classes. In 2006, he was named the College of Agriculture Advisor of the Year for his work with students.

"The agricultural economics department is outstanding because of the excellent teaching, extension, and research faculty and the outstanding economists who work directly with farmers in the Kansas Farm Management Association," Schurle said. "It is a tremendous opportunity for me to work with them to serve the people of Kansas. Economics is so important to each and every one of us. And, providing relevant and timely information is extremely important to the stakeholders in the state."

Schurle took over for Sean Fox, who had been serving as interim head since August 2005. Fox returned to his teaching and research position in the department.



Bob Holcombe (2)

Bryan Schurle

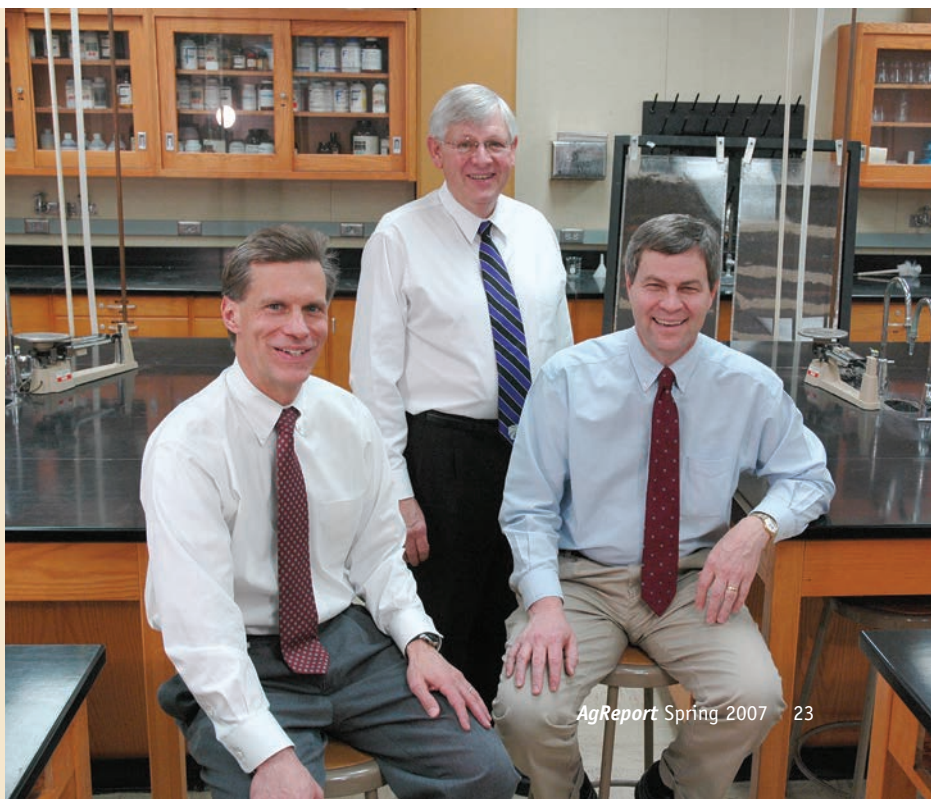
## National Society Honors Three Agronomists

Three K-State agronomists were recognized by the Soil Science Society of America at the 2006 annual meeting in Indianapolis, Ind.

**George Ham** (center), professor emeritus and former director of the Agricultural Experiment Station, was recognized for a lifetime achievement of outstanding service to soil science. Ham received the Soil Science Distinguished Service Award, which is based on the recipient's contributions during a career of 25 years or more.

**Gary Pierzynski** (left), professor and department head, received the Marion L. and Chrystie M. Jackson Soil Science Award. This award recognizes midcareer soil scientists who have made outstanding contributions in the areas of soil chemistry and mineralogy.

**Chuck Rice**, professor, received the Soil Science Research Award for outstanding achievements and original and significant research in soil science. His research focuses on carbon and nitrogen dynamics in the soil and microbial ecology.





**1947**

**Arthur Wayne Pope** (BS agronomy) was a district conservationist in Hill City, Kan. (1948-1968) and area conservationist in Watertown, S.D. from 1968 until his retirement in 1976. He and his wife, Donna, still live in Watertown.

**1951**

**Hal Broadie** (BS agricultural economics) and his wife Phyllis, Manhattan, were named K-State's 2006 Family of the Year. All four of their children are K-Staters, married K-Staters, and all their grandchildren, so far, have attended K-State. They were nominated by their grandchildren.

**1972**

**Richard Porter** (BS agricultural economics), Reading, was named the 2006 Department of Agricultural Economics Distinguished Alumnus. He was a member of the first master of agribusiness class, and he received a law degree from Southern Methodist University.

**1974**

**Jim Cherry** (BS animal science) has spent 30 years as a loan officer with Farm Credit. He says he's not going anywhere yet because, "It's the best job ever. I get to talk to farmers and ranchers every day – and get paid for it."

**1983**

**Karen "Kate" (Cunningham) Carinder** (BS agricultural journalism) works for the University of Iowa Foundation as associate director of development, major gifts, for the Carver College of Medicine and the University of Iowa Hospitals and Clinics. For the previous 18 years, she worked in media relations and external relations at Iowa State University. Her husband, **Bill** (BS '78, MS '87, animal science), is technical sales manager for Esmilco Inc., and he covers the southeastern part of the United States.

**1986**

**Shad Marston** (BS animal science), Canton, is the agricultural education instructor at Moundridge High School. He and his wife Thea have a son, Isom, and a daughter, Addi.

**1995**

**Duane Liddeke** (BS animal science), Ulysses, and his wife Keri, Grant County 4-H agent, announced the birth of their son, Kruce John Liddeke, on Nov. 27, 2006.

**1996**

**JJ** (BS milling science) and **Anna** (BS finance) **Schuster** of Olathe announced the birth of their son, Ethan Michael Schuster, on Jan. 17, 2007. Ethan's brother, Evan, is 2 1/2 years old.

**Carla (Johnson) Nemecek** (BS '96, MS '99 animal science) and her husband, **Jeff** (BS '97, animal science) announced the birth of their son, Kyser John Nemecek, on Dec. 6, 2006. Carla is the Allen County agricultural agent, and Jeff is the ag instructor/livestock judging team coach at Allen County Community College.

**1999**

**Amy Jordan** (BS horticultural therapy, MS '01 horticulture), Lyon County extension horticultural agent, and her husband, Brian (BS '01 education), announced the birth of their daughter, Mae Lillian, on Jan. 10, 2007.

**2000**

**Amanda Lott** (BS animal science) joined the K-State Research and Extension River Valley District as a 4-H Youth Development agent in January 2007.

**2001**

**Ross Mosteller** (BS animal science) River Valley District agriculture and natural resources agent, and his wife, Tonya, announced the birth of their twins, Madilyn May and Lane Oliver, on Jan. 12, 2007.

**2002**

**Holly Werth** (BS horticulture) joined the K-State Research and Extension Ellis County office as a horticulture agent in January 2007.

**2003**

**Nathan Geiger** (BS animal science) is the new K-State Research and Extension Doniphan County agriculture and natural resources agent.

**2006**

**Elly Blasi** (BS animal science) joined the K-State Research and Extension Meade County office as an agriculture and natural resources agent in January 2007. She worked previously for Land O'Lakes Purina Feed and in K-State's beef cattle research unit. She interned in the Pratt County office in 2005.



Courtesy of Flint Hills Iris Society

The Flint Hills Iris Society maintains the iris collection at the K-State Gardens. On Mother's Day, they will host Iris Day, where visitors may vote on their favorite iris. In July, the society will have an iris sale at the gardens. The society recently donated \$30,000 from the sales to sustain the iris collection.



### In Memorium

**Frank R. Brandenburg** (BS '33 agricultural economics), 97, Parsons, died Oct. 5, 2006. He taught vocational agriculture at Fairview, Wakefield, Paola, and Parsons. He then worked as territory supervisor for a national phosphate company. He farmed until much of his land was developed for Lake Parsons. He then became a special education instructor at the Parsons State Hospital and Training Center until his retirement in 1974.

**Ernst K. Horber** (PhD '54 entomology), 87, Manhattan, died Jan. 14, 2007. A native of Switzerland, he received several degrees from the Swiss Federal Institute of Technology before coming to K-State. He worked as an entomologist with the Swiss Experiment Station before joining the K-State faculty in 1970. Most of the alfalfa hybrids grown in Kansas and the Midwest incorporate his work. He retired in 1984.

**Albert W. Adams** (BS '51, MS '55, poultry science), 79, Manhattan, died Feb. 6, 2007. He earned a PhD in animal nutrition from South Dakota State University. Adams worked for Swift & Company in Minnesota and South Dakota, then served on the faculty at SDSU for five years. In 1962, he was appointed as extension specialist in poultry science, serving in extension, research, and teaching until he retired in 1992.

**Eileen (Havel) Matousek** (BS '77 bakery science) died Oct. 1, 2006. Her husband, Carl (BS '76 agronomy), Mayetta, survives.

**Arthur John "Art" Armbrust, Jr.** (BS '57 agronomy), 70, died Aug. 21, 2006. He retired from Sharp Brothers Seed in Healy. He was past president of the Western Seed Association, the American Seed Association, and the Kansas Seed Industry Association.

**John P. Green** (BS '02 horticulture), 27, Shawnee, died Nov. 18, 2006. He was the northeast representative for the Syngenta Corp. He was a member of Alpha Gamma Rho.



Janice Swanson and Dee Likes

Bob Holcombe

### Dee Likes Named First Recipient of Animal Sciences Alumnus Award

Thomas "Dee" Likes was named the Distinguished Animal Sciences and Industry Alumnus for 2006. He was honored Jan. 16, 2007, during a ceremony held in his honor. While in Manhattan, he met with K-State administrators and faculty, gave a seminar, and toured the university's animal science facilities.

Likes (BS '72 animal science) is the executive vice president and chief executive officer of the Kansas Livestock Association.

"This is the first time we've made such an award," said Michael Dikeman, professor of meat science and chair of the award committee.

"We are pleased to present the first Animal Sciences and Industry Alumnus Award to Dee Likes," said Janice Swanson, then interim head of the department. "Dee has provided outstanding leadership and representation for the members of the Kansas Livestock Association."

### Ag Alumni Class Notes

Fill out this form and return it to:

Gloria Holcombe  
Department of Communications  
315 Umberger Hall  
Manhattan, KS 66506-3402  
or e-mail to: gloria@ksu.edu

Name \_\_\_\_\_

Spouse's Name \_\_\_\_\_

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

Home Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Graduation Date(s) \_\_\_\_\_ Degree(s) \_\_\_\_\_

Employer \_\_\_\_\_ Title \_\_\_\_\_

*Feel free to attach more information.*





Deans Wendy Wintersteen and Fred Cholick

### Iowa State Dean Named Alumni Fellow

Wendy Wintersteen, dean of the Iowa State University College of Agriculture, was chosen as the K-State 2007 College of Agriculture Alumni Fellow.

While on campus to receive the award, Wintersteen (BS '78 crop protection) visited plant pathology and entomology classes. She also toured campus facilities, including Throckmorton greenhouses and the Insect Zoo.

The Department of Agronomy hosted a reception for Wintersteen to talk with faculty and students.

"I was impressed with Dr. Wintersteen's humility and her genuine interest in speaking with those who attended the reception," said Joyce Meyer (BS '04 animal science and senior in agronomy).

"Wintersteen spoke candidly about a few of the obstacles she has overcome to get to the position she now holds. She seemed completely aware of the extra challenges women face in reaching those positions, without bitterness that those challenges exist," said Meyer. "It was a great honor to be able to meet and speak with such a wonderful and accomplished woman, and I am proud to see how well this particular K-State alumna is representing our university."

Wintersteen's tenure at Iowa State started in 1979 as integrated pest management extension associate. She completed her Ph.D. in entomology in 1988, then joined the Department of Entomology faculty.

In 1990, she served as the acting National Pesticide Education program leader for the Cooperative Extension Service of the U.S. Department of Agriculture.

From 1997 to 2000, she served as Iowa State's director of extension, agriculture and natural resources. She was appointed senior associate dean and associate director of the experiment station in 2000. After serving five months in an interim capacity, she accepted the dual position of dean and director of the Iowa Agriculture and Home Economics Experiment Station in January 2006. She is the tenth dean of agriculture in the history of Iowa State, which will celebrate its 150th anniversary in 2008.

Wintersteen has given hundreds of presentations and has published an extensive list of articles, book chapters, and extension publications.

She has received numerous awards, including the USDA and EPA Certificate of Appreciation for outstanding service and dedication in establishing the national program for the certification and training of pesticide applicators.



Gloria Holcombe (2)

Adrian Polansky (left) with Forrest Chumley

### Kansas Ag Leader Honored, Offers Tips for Students, Success

Adrian J. Polansky, secretary of the Kansas Department of Agriculture, was honored with K-State's 2006 Distinguished Service in Agriculture Award for Extension and International Service.

After accepting the award, Polansky (BS '72 agronomy) spoke briefly about changes, challenges, and opportunities in agriculture.

A willingness to change will be key to the state's future successes in agriculture, which has experienced more changes in the last 100 years than in centuries before, he said.

Technology will continue to change how we work, said Polansky, who cited three challenges: enhancements – driven by public and private investments in new technologies, adoption, and acceptance.

He also offered some advice for students attending the award ceremony.

"Consider your basic education, be it in genetics, marketing, or business, as a foundation for lifelong values," Polansky said. "Be willing to change, ready to adapt, and continue to learn."

Polansky was appointed agriculture secretary in 2003 by Gov. Kathleen Sebelius. He serves on the Governor's Rural Life Task Force, the Kansas Energy Council, the Governor's Council on Homeland Security, and he is vice chair of the National Association of State Departments of Agriculture's working groups on biotechnology and bovine spongiform encephalopathy.





Bob Holcombe

## Food Scientist Garners Distinguished Service Award

Lawrence A. Johnson, professor of food science and human nutrition at Iowa State University and director of Iowa State's Center for Crops Utilization Research, has been awarded the 2006 K-State Distinguished Service in Agriculture Award for Teaching and Research.

He was honored at a ceremony and reception at the K-State Alumni Center. While on campus, Johnson presented a university-wide seminar: "Biorefineries – A Revolution in American Agriculture." He also gave presentations to two grain science classes and met with K-State administrators and faculty.

"We are pleased to be able to honor Dr. Johnson, who has made significant contributions in the field of crops utilization for food, feed,

After his presentation, Lawrence Johnson (right) visits with Ron Madl, director for the Bioprocessing and Value-Added Program, and Susan Sun, professor of biomaterial processing.

and industrial applications," said Fred Cholic, dean of the College of Agriculture and director of K-State Research and Extension. "He also is an extraordinary educator."

ISU's Center for Crops Utilization Research (CCUR) explores new food, feed, and nonfood industrial uses for agricultural materials, and focuses on problem-oriented research directed at expanding midwestern crop utilization.

Johnson has a Ph.D. from K-State in food science with an emphasis in grain science and engineering technology.



Bob Holcombe

Assistants to U.S. senators and representatives visited the Manhattan campus to get firsthand information on new programs and facilities, such as the new Hal Ross Flour Mill. Aaron Popelka (BS '01 agricultural economics and second from left in the photo) works for Rep. Jerry Moran. Riley Scott (BS '04 horticulture and second from right) works for Sen. Sam Brownback.

## Jordanian Minister of Agriculture Has K-State Ties

A K-State alumnus, Mostafa Qrunfleh, is the new Minister of Agriculture in Jordan. Before taking



Courtesy of Don Harter

Mostafa Qrunfleh (left), received a K-State T-shirt from Don Harter, University of Idaho emeritus professor, who was visiting Jordan.

that post late in 2006, he was the vice president for administrative affairs at the University of Jordan (2005-2006).

A native of Jaffa, Palestine, Qrunfleh earned a bachelor's degree from Cairo University in 1969, a master's degree from the University of California-Davis in 1979, and a Ph.D. in horticulture at K-State in 1982.

He had been a professor at the University of Jordan since 1993. He served as head of the plant production department for two years and as the vice dean of agriculture for six years before being appointed dean in 2003.

In an e-mail interview, Qrunfleh credited his former K-State adviser, the late Prof. Ron Campbell, as well as the education that he received at K-State, for the successes he's had in his career as a lecturer, researcher, and graduate adviser. He said his experience in Kansas helped shape his career, and that he looks forward to returning to the state.

In addition, Qrunfleh said he remembered the native limestone buildings that are so much a part of the Manhattan area, because they are similar to those of Amman, Jordan.

Qrunfleh's daughter was born in Manhattan and lives in Michigan. He has three sons. One is working toward a Ph.D. at the University of Nebraska-Lincoln; another is earning a Ph.D. in Ohio. His third son works as a registrar at Hashmeia University in Jordan.



## Supporting International Opportunities



Vaughn Studer

College of Agriculture students come to K-State with a willingness to learn and a strong work ethic; however, their vision of the world is often limited. If our students lack the ability to understand and adapt to different people and cultures, employers have difficulty

promoting them into a position that requires living abroad.

We believe that every undergraduate student should have the opportunity to travel and study abroad. These programs can range from a one-week study trip to spending a full semester studying abroad at a partner university. International internship opportunities may last over a summer or full semester.

We have broadened the students' perspective by internationalizing many aspects of the curriculum, and more students are seeking an experience abroad. Unfortunately, travel costs are often prohibitive. Students cannot afford an international experience in addition to the cost of tuition.

The College of Ag has committed to providing some financial support to every one of our students who goes abroad on an approved program. This assistance has increased the number of ag students traveling abroad from four students in 2001 to 95 students this past year. The money for travel scholarships comes from grants and private funds. Our goal is to support at least 200 students each year, which will cost an additional \$50,000 annually.

To meet this goal, we need the help of our alumni, friends, and corporate partners. Several individuals have established endowments, and support is coming through annual gifts. Many multinational companies are offering internships at their international locations. Contact us to find ways that you or your company might help provide a life-changing international experience to better prepare our students for their careers.

# Changing LIVES

## The Campaign for KANSAS STATE UNIVERSITY

Ann Bidwell, Round Lake, Ill., has made a gift of \$30,000 to establish the **Bidwell Family Fountain Excellence Fund**. It will provide financial assistance to the K-State Gardens.

Bidwell's father, the late Orville Bidwell, was a professor in the Department of Agronomy. As a child, she spent many Sundays at the K-State Gardens and established the fund in memory of her family memories there.

"My dad was devoted to the soils of Kansas," Bidwell said. "Certainly, if we don't appreciate and make an ongoing effort to sustain this land that sustains us, then ultimately, nothing else really matters."

Cattle Empire LLC, Satanta, has made a commitment to establish the **Cattle Empire Scholarship**. Elanco Animal Health, Greenfield, Ind., is matching Cattle Empire's commitment.

"We believe in order to meet the needs of tomorrow, Cattle Empire needs to invest in the students of today," said Roy Brown, Cattle Empire CEO.

"Elanco Animal Health is pleased to be partnering with Cattle Empire and K-State on a scholarship intended to recognize the diversity of people involved in agriculture in western Kansas," said Mike Brown, district sales manager for Elanco Animal Health.

C.W. Brabender Instruments Inc., South Hackensack, N.J., has made a gift of \$80,000 to establish the **Brabender Bakery Science Fellowship**.

"It is our pleasure to work so closely with such an esteemed institution as Kansas State University," commented Richard Thoma, president of C.W. Brabender Instruments Inc. "I am sure that this fellowship will positively benefit all involved, especially the students and the baking industry."

Brian and Christine Wicks, Georgetown, Texas, have made a commitment of \$100,000 to establish the **Wicks Civic Leadership Scholarship**. They also made a \$6 million commitment through a bequest in 2005 for the enhancement fund in the College of Agriculture.

"I believe that past performance predicts future performance," said Brian Wicks (BS '67 dairy production). "I also know that my extracurricular activities coupled with my educational experience at K-State gave me a competitive edge in the business world."

Roger and Ruth Wolfe, Hiawatha, Kan., have made a gift of \$500,000 to supplement the **Roger and Ruth Wolfe International Agriculture Fund**.

"We started this fund in 1996 and have tried to make annual contributions every year since then," said Roger Wolfe (BS '60 feed science management). "In the intervening years, a good number of K-State students have studied abroad and availed themselves of the funds offered by the scholarship. On several occasions since then, we have had the opportunity to visit with these students and observe their excitement and enthusiasm from this experience. This simply made it all worthwhile."



# Looking Back



This photo of a K-State meats lab in East Waters Hall was taken on Feb. 8, 1930. Regulations for food safety have changed dramatically since the '30s, but K-State is still a leader in food safety and food security.

## WILD4AG Weekend *Revisit, Reunite, Reconnect* May 4-5, 2007

☐ **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 4

☐ Ag Alumni Class '07 Golf Tournament, \$125 per person

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

\_\_\_\_\_

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

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

### Saturday, May 5

☐ 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

☐ Please charge my ☐ VISA ☐ MasterCard

Card No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

Cardholder's Signature \_\_\_\_\_

**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 call Sharon Thielen 785-532-5121.

Reservations are due April 23, 2007.



# WILD 4 AG

## Weekend

### Revisit, Rewrite, Reconnect

## May 4-5, 2007

**Friday, May 4**  
**Alumni Classic Golf Tournament,**  
**Colbert Hill 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 Scott Staggenborg at 785-532-2277 or sstaggen@ksu.edu

**Saturday, May 5**  
**Awards Reception – 2007 Award winners**

4 p.m. – Alumni Center

**Distinguished Alumnus:** Loren Kruse

Editor-in-Chief, Successful Farming, Ankeny, Iowa

**Outstanding Young Alumnus:** Melanie Mainquist  
Account Manager, Cargill Inc., Minneapolis, Minn.

**David J. Mugler Outstanding Teaching Award:**  
Mickey Ransom, Professor, Department of Agronomy

**New Graduate and Alumni Dinner**  
**6-8 p.m. – Alumni Center, Recognition**  
**of fall and spring graduating seniors**  
**Cost: \$25**

A block of rooms has been reserved (until April 21) at the following Manhattan hotels:

Clarion (formerly Holiday Inn Holidome) 785-539-5311

Holiday Inn (formerly Ramada Inn) 785-539-7531

To register, fill out and return the form on the inside back cover.

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