

Rice receives distinguished alumni award

Chuck Rice, professor of agronomy, received the 2009 Distinguished Alumni Award from the plant and soil sciences department at the University of Kentucky. Rice holds a master's in soil science and a Ph.D. in soil microbiology, both from the University of Kentucky.

He accepted the award during the week of March 30 to April 3, and made a presentation to the department's faculty and students, "Climate Change and Agriculture."

Hawley to head international association

The head of K-State's department of apparel, textiles and interior design has been elected an officer of an international association.

Jana Hawley will begin her term as president-elect of the International Textile and Apparel Association Sept. 1 and will assume the presidency in September 2010. Hawley has previously served as vice president of operations for the association.

The organization is a professional, educational association of scholars, educators and students in the textile, apparel and merchandising disciplines in higher education.

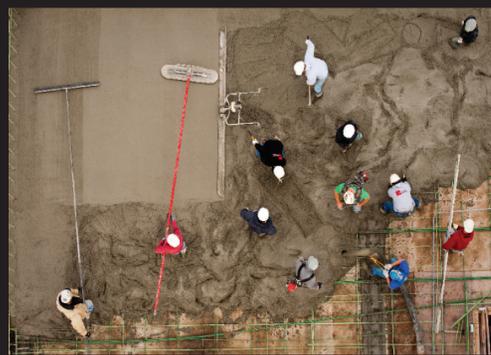
Hawley joined K-State in 2007 and has been serving as head of the department of apparel, textiles and interior design. She holds a bachelor's degree from Fort Hays State University, a master's degree in clothing and textiles from Oklahoma State University and a Ph.D. from the University of Missouri in environmental sciences with an emphasis on textile and apparel management.



Jana Hawley

picture perfect

Bird's eye view



Workers pour concrete for the new parking garage south of the K-State Student Union.

For creative professional images contact university photographer David Mayes at 785-532-6304 or photo@k-state.edu

on campus April-May

April 24 Film

The Little Apple Film Festival will take place at 8 p.m. in the K-State Student Union's Forum Hall. Student produced films will be shown and admission is free.

April 29-May 2 Theater

"The Cherry Orchard" tells the story of an aristocratic family that is overcome by debt and is forced to give up their estate and its historic, beautiful cherry orchard. The lives of all the characters are transformed as an impending revolution arrives on their doorstep. 7:30 p.m., Nichols Theatre. Call 532-6428 for ticket information.

April 26 Music

K-State's Symphony Band will perform at 3 p.m. in McCain Auditorium.



Diavolo, a display of extreme athleticism and movement, will take the stage at 7:30 Friday, April 24, at McCain Auditorium. Call 532-6428 for tickets.

April 27 Landon lecture

Gen. David Petraeus, commander of the U.S. Central Command, will speak at 3:30 p.m. in Bramlage Coliseum.

Music recital

K-State's Student Brass Quintet will perform at 7:30 p.m. in All Faiths Chapel.

opportunities

Classified

A list of employment opportunities is posted at <http://www.k-state.edu/hr/vac.html>
 A recording of classified job opportunities is available 24 hours a day on the Employment Information Line, 532-6271.
 For additional information, call 532-6277 or visit the Division of Human Resources at 103 Edwards Hall. Applications are accepted 8 a.m. to 5 p.m. weekdays.

Unclassified

A listing of vacancies can be seen at <http://www.k-state.edu/affact/Opportunities/unclass.htm>
 For additional information, call the office of affirmative action at 532-6220 or visit 214 Anderson Hall.

Engineering the possibilities, continued

ry used bacteria to make a humidity sensor.

"That was only possible through combining materials science with biological science," he said.

Another area of his current research is compressing and stretching molecular-junctions between nanoparticles. Berry said that his group has developed a molecular-spring device where they can compress and stretch molecules, which then act like springs, allowing researchers to study how they relax back. He

said that this technology could be used to create molecular-timers in which the spring action from a decompressed molecule on a chip could trigger a circuit, for instance.

Berry said for stretching the molecules, Kabeer Jasuja, a doctoral student in chemical engineering, came up with the idea to place the device on a centrifuge to stretch the molecules with centrifugal force.

The work was published in the journal Small. ■

Registrar's office

Michael Crow published "Case Study: University Task Force Deepens Academic Involvement in ERP

System," Handbook of Research on Technology Project Management, Planning, and Operations, IGI Global Publishing. ■

Scissors to semis, continued

know a little bit about X," and they say, "It's yours!"

It's no wonder that Sump's talents have been tapped for logistically challenging tasks, which she's organized to a T. But she says she couldn't do it without the backing of others.

"I couldn't do it if I didn't have a great crew," she said, referring to co-workers in the Division of Facilities whom she depends on to run the

heavy-lifting equipment and move the trash cans, tables and chairs where they need to be.

"That's what I love about K-State," Sump said. "The challenge might be in figuring out who to call, but once I figure that out, people bend over backward to see what they can do to help you.

"You just never know who that next call is going to be from." ■

Culbertson and student, "An Examination of a Model Predicting Quality LMX Relationships."

Culbertson and students, "Performance Appraisal Reactions: The Role of Feedback and Goal Orientation."

Culbertson, Fullagar and student, "The Impact of Psychological Capital on Hedonic and Eudaimonic Well-being."

Downey, "New Developments in the Study of Interpersonal Mistreatment at Work."

Knight and student, "Examining the Effect of Core Self-evaluations on Pay Plan Preferences."

Downey and student, "Peer Assessments: A Quarter Century After Getting the Good News."

Noteworthy, continued

Chuck Rice, agronomy, "How Critical is the Baseline to Assess Carbon Sequestration in Agricultural Soils?" and "Deep Soil Carbon Sequestration Under No-tillage Cropping Systems in Tropical and Temperate Climates."

Karen Garrett, plant pathology, and colleagues, "Anticipating and Responding To Biological Complexity in the Effects of Climate Change on Agriculture."

Psychology

The following K-State faculty presented at the annual conference for the Society for Industrial and Organizational Psychology, April 2-4, New Orleans, La.:

Satoris Culbertson and student, "When Does Emotional Labor Predict Emotional Exhaustion and Life

(Dis)satisfaction?"

Clive Fullagar and Pat Knight and student, "Flow and Performance Anxiety."

Culbertson, Fullagar and student, "The Utrecht Work Engagement Scale: An Evaluation of Two Versions."

Ron Downey and colleagues, symposium, "Unemployment in Economic Hard Times."

Culbertson and student, symposium "Exploring Allies, Enemies, and (Lack of) Boundaries in Work-Family Interactions."

Fullagar, Culbertson and student, "Engagement: Positive Boundary Spanning Between Work and Family."

A 'Class' Act

Employees of the Year named, longtime staff recognized for years of service

Nearly 300 classified employees were recognized recently for their dedication to K-State.

The Classified Employee Recognition Ceremony April 8 was a chance for longtime employees and relatively recent additions alike to celebrate all of the good work they do for the university.

K-State President Jon Wefald congratulated all classified staff during the ceremony, awarded the President's Scholarship and recognized 2008 retirees. The scholarship went to Chassy Nichols in the department of apparel, textiles and interior design.

Jennyfer Owensby, president of K-State's Classified Senate, said classified staffers are critical to the success of the university and that those who planned the ceremony were quite pleased with the turnout.

"All that work pays off when we reward our colleagues for their dedication to K-State at the ceremony," she said. "I think everyone had fun, including me!"

During the festivities, several employees of the year were recognized for going above and beyond. Their names, followed by their department/unit, are:

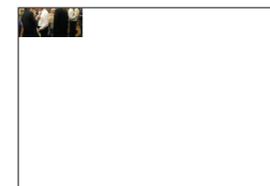
Beth O. Alloway, Information Technology Assistance Center; Candace Becker, office of the provost; Ruth A. Berggren, Veterinary Medicine Teaching Hospital; Kelley L. Blankley, horticulture, forestry



K-State Police Captain Richard Herrman is all smiles as he shows off the plaque he received for 35 years of service to K-State. Hermann, along with around 300 other classified employees, were honored during the Classified Staff Recognition Ceremony April 8. Above right, the ceremony was well attended. (Photos courtesy of Carolyn Elliott)

and recreation resources; Rebecca L. Bohnenblust, biology; Vicki L. Brown, Northwest Agricultural Research Center — Colby; Sandra K. Chandler, Kansas Forest Service; Sonya J. Conrad, Lafene Student Health Center; Rebecca L. Darling, Northwest Area Extension Office — Colby; Rhiannon R. Englert, admissions; Michael D. Fares, K-State Student Union; Connie J. Fechter, School of Family Studies and Human Services; Leonard A. Finney, computing and telecommunications services; Maxine L. Ganske, K-State Libraries; Tracy E. Gibson, Educational Communi-

cations Center; Debra D. Gilman, student financial assistance; Debra M. Guillen, career and employment services; Janice J. Hemdon, computing and information sciences; Christopher S. Hsieh, career and employment services; Benjy Jorgenson, housing and dining; Judith L. Larson, controller's office; Claudia R. Leeds, marketing; Leonard H. Leeling, continuing education; Terry Jo Litchfield, agronomy; Jo A. Maseberg-Tomlinson, animal sciences and industry; Patricia L. McCaffrey, Kansas Forest Service; Anita L. McDiffett, grain science and industry; Henry E. Melgosa, Southwest



Research and Extension Center — Garden City; Martha S. Monihen, cooperative extension; Lauren C. Muse, dean's office, College of Education; Robert M. Nixon, communications; Angela K. Pfizenmaier, dean's office, Graduate School; Beverly Price, facilities; Steve J. Prockish, housing and dining; Rhonda J. Riffel, fiscal affairs, K-State at Salina; Tonya J. Schroller, Lafene Student Health Center; Marla D. Sexton, Southeast Agricultural Research Center — Parsons; Michael J. Shelton, horticulture, forestry and recreation resources; Rose M. Sloan, parking services; Joyce S. Spencer, military science; Vera Spring, human resources; Heather M. Tourney, dean's office, College of Architecture, Planning and Design; Libby Vathauer, dean's office, College of Human Ecology; Debra L. Webb, mathematics; Matthew D. Woydziak, Agricultural Research Center — Hays; and James M. Younkin, K-State police department.

In addition, 2008 retirees and employees with five, 10, 15, 20, 25, 30, 35, and 40 years of service to the university were honored with plaques. Those employees are listed at <http://www.k-state.edu/media/k-statement/vol31/42309classified.html> ■

Faculty receive presidential recognition

Six K-State faculty members are receiving a 2009 Presidential Award for their compassion, dedication and creativity as teachers, advisers or administrators.

Receiving the Presidential Awards for Undergraduate Teaching Excellence are Joseph Arata, assistant professor of agricultural economics; Leslie Hannah, assistant professor of English at K-State at Salina; Hyun Seung Jin, associate professor of journalism and mass communications; and Timothy Rarick, a graduate teaching assistant in family studies and human services.

The Presidential Award for Excellence in Undergraduate Advising is going to Charles Martin, associate professor of geography and William Meredith, director of the School of Family Studies and Human Services, will receive the Presidential Award for Outstanding Department Head.

The awards, which include a \$2,500 honorarium and plaque, are sponsored by the K-State president's office and Curtin Property Co., a real estate development firm with offices in Manhattan and Kansas City. The awards are coordinated by the Kansas State University Foundation.

"The Presidential Awards acknowledge that the creativity, dedication and excellence of its faculty members are what make a university great," said Jon Wefald, K-State president. "We appreciate that Chris Curtin and the Curtin Property Company continue to help K-State reward such efforts."

Inside



Thinking of everything is Loleta Sump's speciality. Up Close

oh, by the way

New withholding tax tables in effect

K-State began using the new federal income tax withholding tables for the pay period beginning Feb. 22 for the pay check dated March 20.

The new withholding tables may reduce the amount of income tax withheld from your wages. The new tax tables, prescribed by the U.S. Department of Treasury, reflect the Making Work Pay credit and other changes from the American Recovery and Reinvestment Act of 2009.

If you do not want to have your federal withholding reduced, you may want to submit a new Form W-4 using HRIS Employee Self Service. You may claim fewer withholding allowances or request additional amounts to be withheld.

For additional help, see IRS Publication 919, "How Do I Adjust My Tax Withholding?" or visit the IRS Web site and use the "Withholding Calculator."

State income tax withholding will not change.

Beach museum taking on history's drama April 30

K-State's Marianna Kistler Beach Museum of Art will host a drama in history workshop and a theatrical production about the role of women in war Thursday, April 30. The events are in conjunction with the museum's exhibition "The American Soldier: A Photographic Tribute," on display through May 31.

Actress and historian Pippa White, of *One's Company!*, will lead the day's events.

White will teach the "Mining the Gold in History Books" workshop from 10 a.m. to noon. The workshop is for adults who are thinking about writing and who are interested in first-person narratives. The workshop is free but reservations are requested by calling 532-7718.

White will then give a theatrical performance, "Women and War," at 7 p.m. The performance was created specifically for the Beach Museum of Art and focuses on the role women have played in American wars. Characters to be played by White include Florence Nightingale, Clara Barton and Louisa May Alcott. The performance is free and open to the public; no reservations are required.

For more information, call the Beach Museum of Art at 785-532-7718 or drop by the museum on the southeast corner of the K-State campus at 14th Street and Anderson Avenue. Admission is free, and complimentary visitor parking is available next to the facility. Museum hours are 10 a.m. to 5 p.m. Tuesday, Wednesday, Friday and Saturday; 10 a.m. to 8 p.m. Thursday; and noon to 5 p.m. Sunday. The museum is closed Mondays.

Rabies lab moved to K-State research park

K-State's Rabies Laboratory has a new home in the Manhattan/K-State Innovation Center at the K-State Research Park.

The laboratory was formerly in the Veterinary Diagnostic Laboratory at K-State's College of Veterinary Medicine and had been a part of the college for more than 80 years.

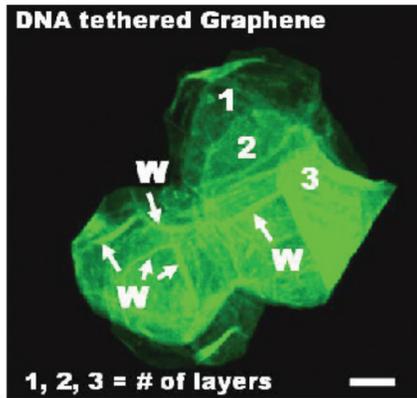
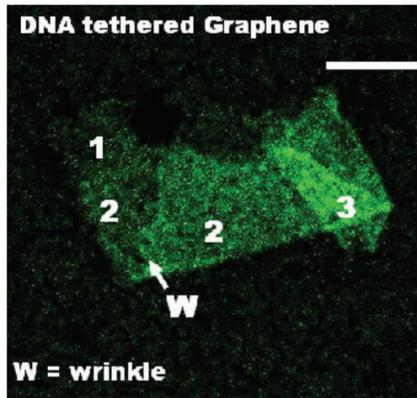
The lab provides rabies diagnoses on suspect animals for Kansas and Nebraska and tests to measure antibodies to rabies in both humans and animals. The laboratory is one of the highest-volume rabies serology centers in the world and handles more than 55,000 samples annually.

The laboratory, which routinely works with import/export authorities throughout the world, meets quality monitoring standards of the Clinical Laboratory Improvement Amendments and numerous state departments of health. Because of the quality of its practices, the laboratory is a leader in its collaboration with commercial partners toward the development and clinical trials of new vaccines, immune globulins and monoclonal antibody products for the prevention of rabies in humans and animals.

A ribbon-cutting ceremony was held Friday, April 17.

research

Engineering the possibilities



When electrons flow on the graphene, they change speed if they encounter DNA. (Photos courtesy of Vikas Berry)

K-State researchers create DNA sensors out of graphene

K-State engineers think the possibilities are deep for a very thin material.

Vikas Berry, assistant professor of chemical engineering, is leading research combining biological materials with graphene, a recently developed carbon material that is only a single atom thick.

"The biological interfacing of graphene is taking this material to the next level," Berry said. "Discovered only four years ago, this material has already shown a large number of capabilities. K-Staters are the first to do bio-integrated research with graphene."

To study graphene, researchers rely on an atomic force microscope to help them observe and manipulate these single atom thick carbon sheets.

"It's a fascinating material to work with," Berry said. "The most significant feature of graphene is that the electrons can travel without interruptions at speeds close to that of light at room temperature. Usually you have to go near zero Kelvin — that's about 450 degrees below zero Fahrenheit

— to get electrons to move at ultra high speeds."

One of Berry's developments is a graphene-based DNA sensor. When electrons flow on the graphene, they change speed if they encounter DNA. The researchers notice this change by measuring the electrical conductivity. The work was published in *Nano-Letters*.

"Most DNA sensors are optical, but this one is electrical," Berry said. "We are currently collaborating with researchers from Harvard Medical School to sense cancer cells in blood."

Another area he is exploring is loading graphene with antibodies and flowing bacteria across the surface.

"Most researchers focus on pristine graphene, but we're making it dirty," he said.

Berry and Nihar Mohanty, a graduate student in chemical engineering, used a type of bacteria commonly found in rice and interfaced it with graphene. They found that the graphene with tethered antibodies will wrap itself around an individual bacterium, which remains alive for 12

hours.

Berry said that possible applications include a high-efficiency bacteria-operated battery, where by using geobater, a type of bacteria known to produce electrons, can be wrapped with graphene to produce electricity. The research was presented at the annual American Physical Society conference in Pittsburgh and the American Institute for Chemical Engineers conference in Philadelphia.

"Materials science is an incredible field with several exploitable quantum effects occurring at molecular scale, and biology is a remarkable field with a variety of specific biochemical mechanisms," Berry said. "But for the most part the two fields are isolated. If you join these two fields, the possibilities are going to be immense. For example, one can think of a bacterium as a machine with molecular scale components and one can exploit the functioning of those components in a material device."

For his doctoral research, Ber-

continued on back

noteworthy

Agronomy

Jianming Yu published "The Potential of Ultrahigh Throughput Genomic Technologies in Crop Improvement," and, with colleague, "Simulation Appraisal of the Adequacy of Number of Background Markers for Relationship Estimation in Association Mapping," *The Plant Genome*, Vol. 2, No. 1.

Yu and colleagues published "Selection Before Backcross During Exotic Germplasm Introgression," *Field Crops Research*, Vol. 112, No. 1.

Yu and colleagues published "Applications of Linkage Disequilibrium and Association Mapping in Maize," *Molecular Genetic Approaches to Maize Improvement, Biotechnology in Agriculture and Forestry*, eds. A.L. Kriz and B.A. Larkins, Vol. 63, Springer Verlag.

Architectural engineering and construction science

Julia Keen presented "High Performance Buildings," *Tech 2009: Maintain to Sustain*, April 23, Kansas City, Mo.

Clinical sciences

Bonnie Rush presented "Tracking Students Clinical Competencies Through the One45 System," *American Association of Veterinary Clinicians department head meeting*, April 2, Atlanta, Ga.

English

Elizabeth Dodd published a review of "The Wet Collection" by Joni Tevis, *ISLE: Interdisciplinary Studies in Literature and Environment*, Vol. 16, No. 1.

Darrin Doyle published "Revenge of the Teacher's Pet: A Love Story," *LSU Press (Yellow Shoe Fiction Series)*, 2009.



Robert Larson presented "Selection and Evaluation of Beef Heifers"; "Nutritional Development of Beef Heifers"; "Case Studies: Heifer Development and Reproduction Failures"; "Bovine Reproductive Disease (Abortion): Neosporosis, Leptospirosis, and BVD"; "Bovine Reproductive Disease (Infertility): Trichomoniasis and Vibriosis"; and "Biosecurity to Control Reproductive Disease"; *American Board of Vet Practitioners*, April 17, Austin, Texas.

The following K-State faculty presented at the Modern Critical Approaches to Children's Literature, March 25-27, Nashville, Tenn.:

Gregory Eiselein, "A Religion of Their Own," *Louisa M. Alcott's New American Religion*.

Erica Hately, "Anthony Browne and the Cultural Capital of Classic Fairy Tales."

Anne Phillips, "From 'Without Christ' to a 'Very Attractive Book,'" *Little Women's Progress*."

Karin Westman, "The Next J. K. Rowling?," *Stephanie Meyer and the Consequences of Genre*."

Dean Hall presented "Remember What Happened to the Painter Dasher?": *Painting Oneself into the*

Story in Salman Rushdie's *The Enchantress of Florence*," *British Commonwealth and Postcolonial Studies Conference*, Feb. 27, Savannah, Ga.

Abby Knoblauch presented "Persuasive Designs: Alternative Rhetorics in a (College Level) Persuasive Writing Course," *College English Association Annual Conference*, March 26, Pittsburg, Pa.

Anne Longmuir presented "Falling Man as Still Life: The Fiction of Don DeLillo After 9/11," *Northeast Modern Language Association*, Feb. 26 - March 1, Boston, Mass.

Luke Redington presented "The Value of Carolyn R. Miller's Genre Theory in Literary Analysis," *Conference on College Composition and Communication*, March 13, San Francisco, Calif.

Donna Potts has been elected to serve on the executive committee of the American Conference for Irish Studies.

Leadership studies

Andrew Wefald and Rebecca Reichard presented "Fitting Engagement into a Nomological Network," annual conference for the Society for Industrial and Organizational Psychology, April 2-4, New Orleans, La.

Multiple departments

David Smit, English, and Richard Hoag, architecture; "Verbal vs. Visual Design: Maya Lin and the Design for the Vietnam Veteran's Memorial," *College English Association annual conference*, March 26, Pittsburg, Pa.

The following K-State faculty presented at the 2009 International Climate Change Congress, March 16-20, Copenhagen, Denmark:

continued on back

up close

From scissors to semis

When it comes to events, K-State's Loleta Sump is all about the details

Each year K-State invites the public to campus to see what university life is like at the All-University Open House.

While various groups across campus are planning interactive displays for open house, Loleta Sump starts counting yard-sign stakes, lining up helium tanks and making sure there are enough tables and chairs to accommodate each and every group involved.

For the 2009 event, that was 218 tables, 364 chairs, 16 helium tanks and 206 yard-sign stakes, to be exact.

As the manager of special events on campus grounds, it's Sump's job to think of every little detail.

Holding a ribbon cutting? Sump will need to know how many pairs of purple ribbon-adorned scissors you will need.

Ground-breaking ceremony coming up? Sump will be the one to go to for the gold-colored shovels.

But the All-University Open House — which Sump has been helping with for 23 of its 30 years — is more than tables, chairs and helium.

It is any and all logistics that someone else isn't thinking about.

For example, it's Sump's job to figure out where the Marching Cobras can park their bus and where they'll get lunch when they perform at open house.

Charting the delivery route for the tractor-trailers deliver-



For K-State's All-University Open House, and other displays and events on campus grounds, Loleta Sump is responsible for details such as tables, chairs and helium tanks — and making sure they're where they need to be on time.

ing the U.S. Army's "Strength in Action" display for open house fell to her. The display was in the heart of campus — in front of Anderson and Eisenhower Halls — and making sure the five semis got where they need to be without becoming a major disruption was a bit of a chore, she said.

She also has to keep fire prevention in mind. Sump



Sump discusses where to put a large kitchen trailer for the recent military foodways symposium.

as well as fire prevention.

"In 1992, the AIDS quilt came to campus and we were concerned about security, so we took shifts," she said. "I can say that I've spent the night in Ahearn Field House."

Security's not exactly in her job description — but Sump's not sure there is a complete description of her duties.

She started as a payroll clerk for the Division of Facilities back in 1982. Since then her duties have expanded. Besides special events, which she calls "her baby," she oversees payroll for the division, coordinates central mail for the campus, and heads up key control, room scheduling and a few other areas.

"You know when a change occurs and your boss says, 'What can we volunteer for before we get volunteered for it?' Well, I usually say, 'I

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