

plaudits

Salsberry honored for commitment to educational accreditation and assessment

The Kansas chapter of the North Central Association recently recognized K-State education professor Trudy Salsberry with the 2008 Claradine Johnson Award.

This award, now in its ninth year, honors leadership within both the national and Kansas chapters, educational excellence, service to school and state and a history of work with the organization. The honor is named for M. Claradine Johnson, former director of the Kansas North Central Association.

Salsberry has served as a college representative on the association's state council for more than a decade, during which she has provided leadership in the accreditation and assessment areas. She is one of the primary interpreters of the association's standards and expectations.



Trudy Salsberry

Blue Key Adviser of the Year named

Anil Pahwa, professor of electrical and computer engineering and faculty adviser of Eta Kappa Nu, the electrical and computer engineering honor society, was recently named the 2008-2009 Blue Key Adviser of the Year. This award is given each year by the Blue Key Leadership Honor Society and K-State's office of student activities and services to an adviser of a student organization affiliated with the university.

College of Business honors teaching, research

Three faculty members in K-State's College of Business Administration were recently recognized for their contributions to teaching and research. Sukesh Patro, assistant professor in finance, is the fall 2008 recipient of the Kansas State Bank Teaching Excellence Award, while Thomas A. Wright, professor of management, and Chairat Chuwongnanant, associate professor of finance, will share the college's fall 2008 Outstanding Contribution in Research Award. The three were recognized during commencement ceremonies in December.

"The teaching and research accomplishments of our three fall faculty award recipients are indicative of the highest quality of academic excellence, said Yar M. Ebadi, dean of the College of Business Administration.

picture perfect

Baby, it's cold outside



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

January
on campus

Jan. 19

University holiday
Martin Luther King Jr. Day

Jan. 20

Inaugural party
The event, which is part of K-State's week-long MLK Day Observance, is open to the public. 7 p.m., K-State Student Union Ballroom.

Jan. 22

Civil rights lecture
Chester Owens Jr. will deliver "A Firsthand view of Civil Rights in Kansas" during the Diversity Student Leader Luncheon. 12:30 p.m., Kansas State University Alumni Center.

'Nonsense'

This hit musical comedy is celebrating its 25th anniversary with a national tour starring Sally Struthers. 7:30 p.m., McCain Auditorium. Call 785-532-6428 for ticket information.



Martin Luther King Jr. spoke at K-State in 1968. A full list of activities for K-State's MLK Day Observance Jan. 19-23 can be found at <http://tinyurl.com/a44gex>

Jan. 23

MLK luncheon for diverse faculty and staff

This first annual luncheon of its kind will take place at noon in the Konza Room of the K-State Student Union.

Jan. 29

Lecture

"KansAsians: the Asian-American experience in Kansas from race riots to Roger Shimomura" will be delivered by Bill Tsutsui. 5:30 p.m., Marianna Kistler Beach Museum of Art.

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.

An entrepreneurial campus, continued

made up of faculty from every college at K-State and an external advisory board of successful entrepreneurs and business people who support entrepreneurship. The goal of the advisory boards is to provide advice and direction on the curriculum and outreach efforts. The external advisory board will also assist in fundraising to support the center.

Other members of the Center

for Entrepreneurship's executive team include: Vincent Amanor-Boadu, assistant professor of agricultural economics; Stephen Dyer, professor of electrical and computer engineering; Fred Guzek, associate professor of arts, sciences and business at K-State at Salina; and Jana Hawley, professor and head of the department of apparel, textiles and interior design. ■

Promoting prevention, continued

"My greatest reward is when I see the outcome of our hard work," Muturi said. "This year, our goal was to get K-State students and community members tested for HIV. We got more than 100 people tested in three days. Just seeing people come up and talk to us about it, wanting to learn more about the disease and how they can protect themselves, that is very rewarding to me."

Muturi said that one of the roadblocks facing HIV/AIDS communication is changing peoples' stereotype that HIV/AIDS is only something that affects other countries. She said that many people in the U.S. choose to ignore the disease, even though the same behaviors that caused the spread in other countries are the same behaviors and practices that are seen in the U.S. today.

"I think that communication has a key role to play in this. Yet, we are not achieving what we need to," Muturi said. "That really gets me going. I want to put as much as I can into trying to understand the problem, and also finding ways to partner with others to address this epidemic."

While researchers all over the world are working to find a cure for HIV/AIDS, Muturi said her work will never stop, even if there is a cure.

"People ask me what I will do when they find a cure for HIV/AIDS and I tell them that people will always practice unsafe sex and will contract HIV and other sexually transmitted diseases," she said. "If there is a cure, that would be wonderful, but prevention is the best option. Communication about prevention will always be necessary." ■

Energy harvesting radios could increase safety, continued

conductor did for NASA. They developed a micro transceiver to use on Mars rovers and scouts.

In this way, Kuhn said the energy-harvesting radio they are working on now is an example of a NASA spinoff — that is, technology developed for space exploration that can be used here on Earth.

When the stored data is ready to be transmitted, the radio sends out a data-burst. In Zhang's model, this happens every five seconds. That burst contains information such as the amount of stress or strain on the underside of a bridge. Kuhn said that it's kind of like sending a text message from one cell phone to another: After data are transmitted through the air, the recipient's cell phone turns that data back into

text that can be understood.

Kuhn and Zhang are working to perfect the radio system design. This includes determining which frequencies to use based on how the environment affects radio waves indoors versus outdoors and looking at how noise and other factors affect the sensitivity of the receiver.

Because these sensors save data in their microprocessors, Kuhn and Zhang are also working on timing and wake-up commands that tell the sensors when to send the stored information to the receiver. Through engineering analysis, they are determining tradeoffs between power requirements, data-rate and transmission range issues. ■

noteworthy, continued

Rights: Anthropology, Politics, History," 107th annual meeting, American Anthropological Association, Nov. 23, San Francisco.

Prins was appointed a research associate for 2008-2011 at the National

Museum of Natural History, Smithsonian Institution.

Brad Logan was elected to a three-year term on the board of directors of the Plains Anthropological Society, Nov. 15.

Veterinary Medicine

Priscilla Roddy was reappointed to the Member Relations & Communications Committee of the Central Association of College and University Business Officers.

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k-statement

For Kansas State University faculty and staff

January 15, 2009 Vol. 31, No. 12

An entrepreneurial campus

K-State launches new center, offers bachelor's degree option

Entrepreneurship is more than a buzzword at K-State. With a new Center for Entrepreneurship and a new academic major in entrepreneurship, it's part of the K-State culture.

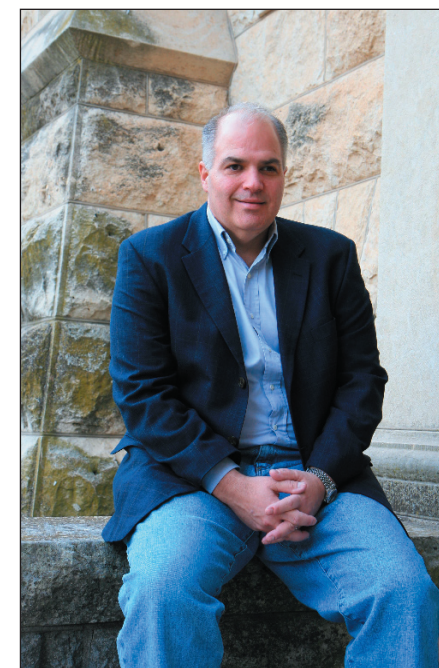
"Entrepreneurship is about being more innovative and creative as an institution and where venture opportunities occur, to seize those initiatives," said M. Duane Nellis, K-State provost and senior vice president. "At K-State, we have been moving forward in recent years to enhance this dimension of our university as part of fulfilling our 21st century land-grant mission."

K-State's new Center for Entrepreneurship is meeting one of its goals with a new bachelor's degree in entrepreneurship through the College of Business Administration. Approved by the Kansas Board of Regents in November, the major will be offered beginning in fall 2009. The class "Introduction to New Venture Creation" will be offered for the first time in summer 2009.

"I think that it's going to be a very popular course across campus," said Jeff Hornsby, a professor of management in the College of Business Administration. "The Center for Entrepreneurship wants to encourage every college to come up with an entrepreneurship course. Now the center can start looking at initiating a cross-campus minor."

Hornsby is the Jack Vanier Chair of Innovation and Entrepreneurship and is spearheading the Center for Entrepreneurship. The center will bring faculty and students from across disciplines together to foster entrepreneurship not just on campus but also in communities across Kansas, he said.

"We are a land-grant university, so developing programs that foster entrepreneurial development is part of our role," Hornsby said. "In terms of outreach, the Center for Entrepreneurship will be working with Kansas communities, especially rural ones, to help them develop entrepreneurship and to mentor them. We'll be working with high schools to get students engaged in entrepreneurship and to train teachers to teach entrepreneurship."



Jeff Hornsby, professor and head of the new Center for Entrepreneurship, says building a program that spans all of K-State's colleges and departments will be key to promoting entrepreneurship on campus. The center's working motto is "passionately creating value."

Hornsby said the center will work with K-State's Advanced Manufacturing Institute, K-State's Center for Engagement and Community Development and K-State's National Institute for Strategic Technology Acquisition and Commercialization.

The Advanced Manufacturing Institute is part of K-State's College of Engineering and is a Kansas Technology Enterprise Corporation Center of Excellence. It helps companies, entrepreneurs and university researchers develop products and processes and launch them into the marketplace. Student interns from many of K-State's colleges work and learn alongside institute staff.

"At K-State, we have been moving

forward ... to enhance this dimension

of our university as part of fulfilling our

21st century land-grant mission."

— Duane Nellis, K-State provost and senior vice president

The Center for Engagement and Community Development at K-State helps bridge the university's knowledge resources and innovations with Kansas communities.

The National Institute for Strategic Technology Acquisition and Commercialization, known as NISTAC, works to strengthen regional economies by facilitating the commercialization of new technologies through the promotion of related research and education.

Ruth Dyer, K-State associate provost, said other goals for the Center for Entrepreneurship include offering certificate programs in entrepreneurship, starting a lecture series, sponsoring competitions for students and helping faculty develop and pursue their interests in entrepreneurship, regardless of discipline.

"We would like to have faculty circles where professors who have an interest in this area can share ideas and innovations with one another," Dyer said.

A campuswide interdisciplinary approach is what will set K-State's Center for Entrepreneurship apart from efforts at other universities, Hornsby said.

"This is an initiative that is born out of a framework that encompasses all centers, departments and institutes," Hornsby said. "We're taking the strengths of each college to develop our programs."

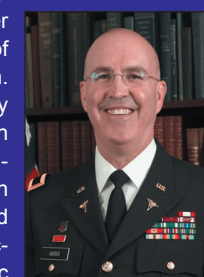
The center has an executive committee and also is forming an internal advisory board

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Cates to head master of public health program

Retired Brig. Gen. Michael B. Cates, former commander of the U.S. Army Center for Health Promotion and Preventive Medicine and chief of the U.S. Army Veterinary Corps, is the new director of K-State's master of public health program.

The program is designed for people who are currently employed or anticipating a career in the field of public health. Students may specialize in obesity/exercise, human nutrition, food safety, infectious/zoonotic diseases and toxicology.



Michael Cates

Cates recently retired after 28 years of military service and was the first veterinarian to head the Army's main public health organization.

"In today's world, there are many complex challenges in animal, human and environmental health, and the future will bring even more," Cates said. "It is an honor to now be part of K-State's outstanding research and educational efforts in these areas."

Besides his doctorate of veterinary medicine, Cates also has a master of public health from the University of Texas Health Science Center, Houston, and is a distinguished diplomate of the American College of Veterinary Preventive Medicine.

Presidential interviews

The first of three candidates, Kirk Schulz, is scheduled to visit campus Jan. 15-16, with remaining candidates coming Jan. 22-23 and Jan. 26-27. An open campus forum will be held 3:30-5 p.m. in Forum Hall on the first day of each visit. Go to <http://tinyurl.com/a3zv7b> for information.

oh, by the way

Libraries offer call number texting

The next time you're using the K-State Libraries catalog and can't find a scrap of paper or pencil, text yourself.

K-State libraries are now offering free texting. When searching for an item using the electronic catalog, patrons will see a phone icon and the phrase "Text me this call number." All they need to do is click the link, enter a cell phone number and hit "send."

The service sends a text message which includes the item's location, call number and title. Messages have a 150-character limit and regular text message charges apply. Questions can be directed to the "Ask a Librarian" Web page at <http://www.lib.k-state.edu/reference/vref/>

Financial therapy clinic to open later this month

K-State's Institute of Personal Financial Planning will soon open what is thought to be the first clinic to offer financial therapy.

Financial therapy refers to the combination of financial counseling with marriage and family therapy.

"Since so many couples struggle with financial issues throughout their relationship, it is important to train our future marriage and family therapists and financial counselors and planners to address these issues," said Kristy Archuleta, an assistant professor of family studies and human services and a faculty member of the Institute for Personal Financial Planning.

The clinic, set to open in late January, will be on the second floor of the Colony Square Building, 555 Poyntz Ave., in downtown Manhattan. It will be open on Wednesdays, with hours to be announced.

The clinic also will be a research facility where students can obtain practice and experience working with clients, using established counseling and therapy techniques in a supervised setting.

Medal of Excellence goes to Paul Edgerley

A distinguished graduate and longtime supporter of K-State was awarded the university's highest honor, the Medal of Excellence, at the Graduate School's recent commencement ceremony.

Paul Edgerley, Brookline, Mass., a 1978 graduate of K-State's College of Business Administration, has built a successful career as a financial manager and consultant. After leaving K-State, he received a master's degree in business administration with honors from Harvard Business School. He has worked as a certified public accountant and consulted in the health care, information services, retail and automobile industries. Since 1990, he has been a managing director at Bain Capital Inc., a private investment firm in Boston with more than \$45 billion in assets under management.

K-State's eighth Rhodes scholar since 1986 named

Vincent M. Hofer was recently named one of 32 Rhodes scholars nationwide, bringing K-State's count up to eight since 1986.

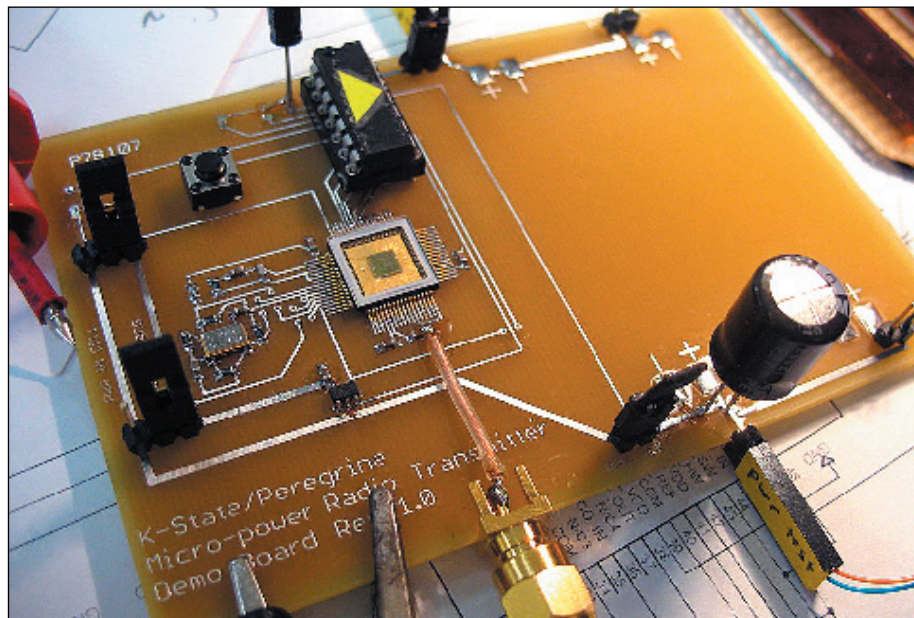
Hofer, a 2008 graduate in agribusiness, works for U.S. Sen. Sam Brownback as a legislative correspondent in Washington, D.C.

Hofer will pursue Latin American studies and development studies at Oxford University, after which he plans a career in international development.

K-State is second among state universities to the University of North Carolina, Chapel Hill, in Rhodes competition since 1986. Since 1986, K-State has had 11 Marshall Scholars, 23 Truman Scholars, 60 Goldwater Scholars and 19 Udall Scholars.

research

Amped up



This in-progress demonstration board is a key component of an energy-harvesting radio developed at K-State. Once finished, the board will include solar cells to power the radio. (Photo courtesy of K-State's department of electrical and computer engineering)

Energy-harvesting radios could make bridges safer, easier to monitor

If changing the batteries in the remote control or smoke detector seems like a chore, imagine having to change hundreds of batteries in sensors scattered across a busy bridge.

That's why K-State engineers are helping a semiconductor manufacturer develop an energy-harvesting radio. It could transmit important data — like stress measurements on a bridge, for instance — without needing a change of batteries, ever.

Bill Kuhn, K-State professor of electrical and computer engineering, and Xiaohu Zhang, master's student in electrical engineering, are developing an energy-harvesting radio for Peregrine Semiconductor, a San Diego-based integrated circuit manufacturer.

"This type of radio technology may exist in your house, for instance if you have a tempera-

ture sensor outside that radios data to a display inside," Kuhn said. "But those devices need to have their batteries changed. This radio doesn't."

Peregrine Semiconductor is looking at possible applications for the technology. This could include monitoring stress, temperature and pressure on bridges and other structures. Ron Reedy, Peregrine's chief technical officer, said developing autonomous sensors requires highly integrated, low power radio chips — exactly the kind that K-State and Peregrine have demonstrated to NASA's Jet Propulsion Laboratory on Peregrine's trademarked UltraCMOS silicon-on-sapphire technology.

Meanwhile, the K-State engineers are looking at the design challenges of a radio system like this. Kuhn and Zhang have been working on the project for a little more than a year and are devel-

oping a demonstration to test how far the signals can travel from the sensors.

Zhang constructed a demonstration board using solar cells from inexpensive calculators to power the radio. The board has capacitors that capture and store the light energy to power the radio without a battery. Although this prototype captures and stores light energy, Kuhn said energy-harvesting radios could be powered a number of different ways, using electrochemical, mechanical or even thermal energy.

The demonstration board Zhang created includes a micro-processor to store data before it's transmitted via radio. The radio used is the "Mars chip" that Kuhn helped develop in a successful project he and a team from K-State, Cal Tech's Jet Propulsion Laboratory and Peregrine Semi-

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noteworthy

Agronomy

Kassim Al-Khatib was named a Fellow of the North Central Weed Science Society.

Anita Dille received the the Young Scientist Distinguished Service Award from the North Central Weed Science Society.

Art

Nancy Morrow's drawings are featured in the exhibition "Contemporary Humanism," A.I.R. Gallery, through Feb. 1, Brooklyn, N.Y.

Morrow's work will be included in the national exhibition "Third Person Singular: Does Gender Still Matter," Art Institute of Boston and Leslie University, Feb. 5-March 31, Boston, Mass.

Biology

John Blair was elected to the National Ecological Observatory Network's board of directors. The network helps researchers understand and forecast the impacts of contemporary global changes on ecosystems such as grasslands, deserts and forests.

Ruth Welti and colleagues published "ABCA12 Maintains the Epidermal Lipid Permeability Barrier by Facilitating Formation of Ceramide Linoleic Esters," Journal of Biological Chemistry, Vol. 283, No. 52.

Clinical sciences

Dan Thomson presented "Raising Cattle in a First World Country: Media, Politics, & Science," Kansas Livestock Association, Dec. 5, Wichita.

Geography

Charles W. Martin and colleague published "Spatial Variability of Heavy Metal Storage in the Floodplain of the Alamosa River, Colorado," Physical Geography, Vol. 29, No. 4.

Max Lu and colleague published "Spatial Patterns of Clandestine Methamphetamine Labs in Colo-



Tiffany L. Kershner and colleague published "Tense and Cognitive Space: On the Organization of Tense/Aspect Systems in Bantu Languages and Beyond," Cognitive Linguistics, Vol. 19, No. 2.

rado Springs, Colorado," Geography and Drug Addiction, eds. Yonette F. Thomas, Douglas Richardson and Ivan Cheung, New York: Springer.

Education and personal development

Lora Boyer, McNair Scholars Program, was installed as president of the Mid-America Association of Educational Opportunity Program Personnel.

Geology

Allen Archer presented "Tidal Effects in the Amazon River," department of geography, University of Kansas, Nov. 3, Lawrence.

Archer presented "Tidal Rhythmites in Modern and Ancient Hypertidal Estuaries," Triple Junction Function, Nov. 20, Stillwater, Okla.

Archer published "Cyclic sedimentation (cyclothem)," Encyclopedia of Paleoclimatology and Ancient Environments, ed. V. Gornitz, 2009.

Communications

Elaine Edwards presented "Communicating On-farm Research Results," On-farm Research Confer-

ence at Iowa State University, Dec. 19, Ames, Iowa.

Libraries

Dale Askey published "We Love Open Source Software. No, You Can't Have Our Code," The Code4Lib Journal, Vol. 5.

Modern languages

Laura Kanost presented "The Kansas State Psychiatric Hospital as Heterotopia in 'La mujer que cayó del cielo' by Victor Hugo Rascón Banda," Conference of the Midwest Association of Latin American Studies, Nov. 20-22, San Juan, Puerto Rico.

Maria Martinez-Ortiz presented "Transitional Terror on Poor Women: Analyzing the Femicide in the Border Mexican City of Juarez," Interrogating Trauma: Arts and Media Responses to Collective Suffering, Dec. 2-4, Perth, Australia.

Music education

Fred Burrack and Jana Fallin presented "Technology-Assisted Professional Development," National Staff Development Council's 40th annual conference, Dec. 9, Washington, D.C.

Psychology

Satoris Culbertson and colleagues "Newcomer Psychological Contracts and Employee Socialization Activities: Does Perceived Balance in Obligations Matter?" Journal of Vocational Behavior, Vol. 73.

Richard Harris and colleagues published "Using Music to Cue Autobiographical Memories of Different Lifetime Periods," Psychology of Music, Vol. 36, No. 2.

Sociology, anthropology and social work

Harald E.L. Prins took part in the session "The 60th Anniversary of the Universal Declaration of Human

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up close

Promoting prevention

Devastation caused by HIV/AIDS in Africa inspires K-State professor to act

Nancy Muturi, assistant professor of journalism and mass communications at K-State, has a passion for understanding HIV/AIDS and for finding ways to control it.

Muturi was born and raised in rural central Kenya, an agricultural area with a high population density. She attended the University of Nairobi, and worked in the city of Nairobi upon graduation. Later, Muturi came to the United States to study at the University of Iowa in pursuit of her Ph.D.

Like most Kenyans, Muturi has stayed very close to her rural African connections. Since leaving Kenya, Muturi said that life in Africa has changed in many ways — culturally, economically and politically. Kenya also has one of the world's highest rates of HIV/AIDS cases.

"What affects me most is when I return to my community, and rather than finding people I grew up with, I find their young children who have been orphaned by AIDS," Muturi said. "It is very depressing when you see such children who have little hope because there is no one to take care of them."

Although some of these children have grandparents, Muturi said many of these grandparents are not financially able to care for grandchildren. She called the situation disheartening and said it is what motivates her to continue on with her research on HIV/AIDS communication.

"You see the impact it has, people dying every day," Muturi said. "You can't really



Nancy Muturi, assistant professor of journalism and mass communications, displays some of the marketing pieces her public relations students put together to promote HIV/AIDS awareness among college-aged and minority audiences in Manhattan. Right, Muturi works with Kenyan children orphaned by HIV/AIDS when she travels to Africa.

avoid wanting to do something about it."

Muturi traveled to Africa recently to visit several institutions, including the National

University of Lesotho, Jomo Kenyatta University of Agriculture and Technology, and Nairobi University. As part of K-State's continued partnership with African institutions, Muturi helps them with research, training, grant writing and communication strategies. She has been awarded the Rotary Foundation Grant for University Teachers, which will send her to Nairobi

for three months this summer to help in the establishment of a communications program at Nairobi University. "My most recent visit to Africa helped me to see what I need to be working on, what they need me for this summer and how I can really help," Muturi said. "I don't want to go there and waste time. I want them to use me as much as they can."

Muturi incorporates her passion for HIV/AIDS research into the classes that she teaches at K-State. She uses a community service learning



approach to engage students in the learning process. Her public relations campaigns class recently finished up a semester-long campaign which focused on the communication of HIV/AIDS in the Manhattan area. The class conducted a journalism workshop to help sensitize local journalists to address the problem of HIV/AIDS in the region. During World AIDS Week in early December, the class also managed testing sites on campus and throughout the community.

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