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Best Books

What were the best books about the Southwest published in 2008?

Patricia Etter, librarian emeritus and member of the Emeritus College, serves on the Southwest Books of the Year panel, and each year submits her favorites to the sponsoring organization, Friends of the Pima County Public Library.

Etter's top five choices for 2008 include books about the Grand Canyon, Navajo weavers and the Civilian Conservation Corps. They are:

- "Law on the Last Frontier: Texas Ranger Arthur Hill," by S.E. Spinks.
- "Patterns of Exchange: Navajo Weavers and Traders," by Teresa Wilkins.
- "Reflections of Grand Canyon Historians: Ideas, Arguments, and First-Person Accounts," edited by Todd R. Berger.
- "With Picks, Shovels & Hope: The CCC and Its Legacy on the Colorado Plateau," by Wayne K. Hinton and Elizabeth A. Green.
- "The Pottery of Zuni Pueblo," by Dwight P. Lanmon and Francis Harvey Harlow.

Her second five picks were "Fragile Patterns," "The Hohokam Millennium," "Silver and Stone," "Wings in the Desert" and "Zuni Origins."

"One of the delightful aspects of reading so many books is to meet with members of the panel and discuss the merits of a particular volume," says Etter, who has been on the panel since 2003.

"Southwest literature has fascinated readers since the mid-1800s, when intrepid writers, braving the forbidding frontier, captivated Eastern audiences with their remarkable tales of an exotic land few readers would ever see," adds Helene Woodhams, coordinator of Southwest Books of the Year.

"Since that time, our world has gotten smaller and travel speedier, but readers' fascination with the legends, culture and improbable landscape of the Southwest is unabated."

For more information about Southwest Books of the Year, contact Etter via e-mail at patricia.etter@asu.edu. To see the complete list of panel members' picks, visit the Web site www.library.pima.gov/books/swboy.

ASU to receive prestigious Minerva award

U.S. Department of Defense recognizes 7 U.S. universities for national security policy research projects

By Julie Newberg

ASU is one of seven U.S. universities selected from 211 applicants to receive a Minerva award for a research project titled "Finding Allies for the War of Words: Mapping the Diffusion and Influence of Counter-Radical Muslim Discourse."

The project is spearheaded by Mark Woodward, an associate professor in ASU's School of Historical, Philosophical and Religious Studies. It is funded by the Minerva Research Initiative, a program that

focuses on areas of strategic importance to U.S. national security policy.

In addition to ASU, the other research universities to receive a Minerva award include Princeton University, San Francisco State University, Massachusetts Institute of Technology, Monterey Institute of International Studies, University of California-San Diego and the University of Texas-Austin.

"Earning one of the first-ever Minerva awards is a testament to

the hard work of faculty involved with the Center for the Study of Religion and Conflict in advancing basic research approaches that have the potential to enhance the wisdom and effectiveness of U.S. policy with regard to the rest of the world," says ASU President Michael Crow.

The Minerva Research Initiative is a new Department of Defense program. By supporting university-based basic research, the initiative is aimed at improving the De-

partment of Defense's intellectual capital in the social sciences and humanities. Awards are for an initial five-year period, with a five-year option for renewal.

"This award is recognition of the innovative ideas of the faculty involved in this project," says Linell E. Cady, director of ASU's Center for the Study of Religion and Conflict and the Franca Orefice Dean's Distinguished Professor of Religious Studies. "It will support

(See AWARD on page 11)



TOM STORY PHOTO

Kosovo President Fatmir Sejdiu receives the first Distinguished Global Leadership Award from Arizona State University. Vice President of Global Engagement Anthony "Bud" Rock, right, presented the award in the Feb. 23 ceremony on the Tempe campus.

Kosovo president returns to ASU to accept global leadership award

By Carol Hughes

Kosovo President Fatmir Sejdiu is the first recipient of the Arizona State University Distinguished Global Leadership Award. He was recognized Feb. 23 in a ceremony at ASU, which was attended by more than 250 members of the Albanian-American community in Arizona.

Sejdiu was on the ASU campus just days after the first anniversary of Kosovo's declaration of independence (Feb. 17) and just days before he was scheduled to meet with U.S. Secretary of State Hillary Rodham Clinton.

"It was an important year for proving ourselves as a place of modern democracy, a place and homeland for all of its citizens irrespective of ethnicity or belief," Sejdiu said, "and a place that pays special attention and respect for human rights and liberties, and in that vein, especially the rights of minorities."

In his remarks, the visiting leader expressed his "utmost appreciation" for the American people.

"Kosova remains eternally thankful to the (See KOSOVO PRESIDENT on page 11)

ASU helps conduct think tank for U.S. climate leaders

By Karen Leland

ASU joined a select group when it conducted a "Listening Session" beginning last fall that is part of a nationwide series by the U.S. Climate Change Science Program (CCSP) based in Washington, D.C.

The sessions are designed to engage and listen to climate scientists and users of climate information so that CCSP can better understand the scientific opportunities and societal needs that should be addressed in the next iteration of the climate science program, and in preparation for the new administration of President Barack Obama.

Co-conducted by ASU's Global Institute of Sustainability, the Climate Assessment for the Southwest at the University of Arizona, the Arizona Water Institute and the CCSP, the event gathered natural resources and land managers from across the Southwest, as well as state and local decision-makers whose efforts will be affected by climate change. The goal was to secure feedback that will be used by the CCSP to create a series of "building blocks" that will ultimately become the organization's new strategic plan.

"We learned a great deal at this event about climate issues and approaches in the Southwest, and the passionate engagement of managers facing these issues," says Chester J. Koblinsky, director of the Climate Program Office, part of the National Oceanic and Atmospheric Administration. "It was particularly timely to hear their concerns during a time of transition here in Washington, and we hope to bring these insights to the discussions taking place."

Stakeholders involved in the study and application of climate change factors face a range of issues, including ecosystem and endangered species management concerns, drought and water resources issues, cap-and-trade mitigation measures (and regulating greenhouse gases), public health and disease vectors, energy and power sup-

(See ASU HELPS ADVISE on page 11)

ASU on the Web

Learn about ASU's more than two dozen museums, galleries and collections at www.asu.edu/museums, which is maintained by an entrepreneurial group called the Museums, Galleries & Collections Committee.

To suggest a Web site to be profiled in *ASU Insight*, send the site address to asuinsight@asu.edu.

Spring enrollment number grows by 2,605 students

By Sarah Auffret

Demand for an ASU degree remains high despite a downturn in the economy, according to the recently released spring enrollment numbers. Enrollment for the spring 2009 semester grew by 2,605 students from last spring, to 62,476.

This represents a bigger percentage growth over last spring than the growth seen in last fall's record enrollment. The student body continues to grow in size and quality, with 9,707 freshmen in the fall class including 168 National Merit Scholars and another 110 National Hispanic and National Achievement Scholars.

More than 13,000 this spring are graduate students, while the remainder are undergraduates working on bachelor's degrees.

Winter session, a three-week program of compressed courses offered Dec. 30 through Jan. 16, drew a record 5,067 students, 30 percent more than last year.

ASU uses last fall's head count of 67,082 as the official enrollment number for the academic year. The numbers always drop from fall to spring, largely because of December graduation.

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Universities team up to help teachers learn new technologies

By Corey Schubert

Many K-12 teachers across the Valley will learn new ways to use technologies to better teach and inspire students.

Educators from six underserved schools will take part in "Teach-Tec," a certificate program that will show how technologies such as podcasting, text messaging and videoconferencing can serve as high-impact tools to enhance the learning experience.

This is the result of a unique partnership between Arizona State University, the University of Arizona Mel and Enid Zuckerman College of Public Health, and the Arizona Telemedicine Program at the College of Medicine.

"Through this outstanding partnership, teachers will better understand how to teach core subjects like science and math using cutting-edge technology," says Catherine Eden, director of ASU's Bob Ramsey Executive Education Program, which is awarding the certificate. "The program is also designed to foster collaboration between peer schools."

Faculty from the three program sponsors will train teachers in schools that were selected for their diverse student body, interest in the project and a history of successful collaboration. Course content will be recorded for use by other educators throughout the state.

Participants will include teachers from schools in Maricopa County, Pima County, and the Navajo and Hopi reservations. These include Health Science High School in Mesa and Genesis

Academy High School in Phoenix.

"This will help teachers bring exciting innovation into the classroom," says Gail Barker, co-director of administration and finance of the Arizona Telemedicine Program, and a faculty member at the UA Mel and Enid Zuckerman College of Public Health. "They'll be using existing technology, so there won't be much expense putting what they learn to use right away."

The program is funded through the Arizona Regents Reach Out grant, which supports university-based distance-learning projects that are collaborative and help work force development.

"Once the initial stage of this project is completed and evaluated, we will make this training available to all K-12 teachers in Arizona through such things as podcasts," says Kathryn Coe, associate professor in the UA College of Public Health, who also is collaborating on the program. "Not only will this project allow us to help build skills, but it will provide UA and ASU faculty with a novel opportunity to identify needs and interests of Arizona's teachers."

Teachers will take the 12-hour program in early August.

"This program wouldn't have come together so easily if the two campuses weren't so closely positioned in downtown Phoenix," Eden says. "We're excited about continuing this partnership with future programs."

The Ramsey Program hopes to use training techniques from this pilot project to continue enhancing the use of technology in

the public sector.

ASU's Ramsey program has produced nearly 12,000 graduates from its executive education courses since it began 25 years ago. The program, which provides professional development programs that build the capacity of people and organizations that serve the public, is part of the School of Public Affairs within the ASU College of Public Programs at the Downtown Phoenix campus.

The Arizona Telemedicine Program is a large, multidisciplinary, university-based program that provides telemedicine services, distance learning, informatics training and telemedicine technology assessment capabilities to communities throughout Arizona.

The Arizona Telemedicine Program site in Phoenix, called the T-Health Institute, is housed in the historic Phoenix Union High School building on the campus of The University of Arizona College of Medicine-Phoenix in partnership with Arizona State University. For more information, visit the Web site www.telemedicine.arizona.edu, or call (602) 827-2116.

The UA Mel and Enid Zuckerman College of Public Health is the only nationally accredited college of public health in the 12-state Mountain/Pacific region. It provides undergraduate and graduate education in population-based health disciplines to prepare students for professional and academic public health careers.

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Course provides students with glimpse into teaching science

By Carol Sowers

The 22 students in a sixth-grade classroom at Keller Elementary School in Mesa were ordered not to tear immediately into the mini-Snickers bars on their desks.

Nathan Glover, 26, and Amanda Davis, 19, earth science majors at ASU, told the students the chocolate bars could teach an important geology lesson.

Their assignment was to figure out what kind of rock the bar would be if it wasn't a hunk of tempting candy. Would it be metamorphic, layered rock; igneous, formed by molten or partially molten rock; or sedimentary, a mixture of sediments such as chalk, limestone, sandstone and shale?

Taufa Prescott, 11, snapped out the answer. "It would be metamorphic," he said, "because it has layers of caramel, chocolate and peanuts." The class agreed.

"That was clever," said Julie Luft of the Snickers bar lesson.

Luft, who was observing Glover and Davis, is a professor of science education with ASU's Mary Lou Fulton College of Education. She also is co-founder of Explorations in Education, a 19-month-old program that introduces science and engineering majors to teaching techniques, and then sends them into fourth- through sixth-grade classrooms to discover "what it means to be a science teacher."

The one-credit class, held each Monday, was co-founded by Steve Semken, an assistant professor of earth and space science, a geosciences educator and ethnogeologist.

Semken and Luft have taught the class, and they continue to work with the students in the class. During the last year, they have been mentoring with graduate students (who will be faculty members) to teach this course. During this past semester, graduate research assistant Sissy Wong was in charge of working with Glover and Davis, as well as other students in the class.

The explorations class is part of ASU's continuing push to have science, technology, engineering and math students – and professionals – consider a career in science education. This class is structured to specifically find middle school and high school science teachers.



SUZANNE STARR PHOTO

ASU earth science major Nathan Glover, center, talks with students at Keller Elementary School in Mesa, as teacher James McKinley, second from the left, looks on during the sixth-grade class. Last fall, Glover was part of ASU's Explorations in Education course designed to introduce science majors to teaching.

Those efforts have been rewarded with a \$750,000 grant from the Robert Noyce Scholarship Program, funded by the National Science Foundation. The prestigious scholarship is named for Robert Noyce, the so-called "Man Behind the Microchip" and giant of the high-tech industry.

The Noyce Science Teachers for Arizona – Recruitment and Retention (STARR) project is the result of a collaboration among educators and administrators at ASU's Polytechnic, Tempe and West campuses. Included in the project are scholarships, a recruitment course and an induction program.

These scholarships are intended for committed science students or professionals who want to become secondary science teachers. The STARR scholarships cover tuition and other expenses for students who commit to teach in high-need schools for at least two years following graduation.

Luft says students or professionals are often not thinking of teaching as a career. The explorations course is meant to introduce people to

the profession.

"Once we recruit people to the field, the grant also provides needed support in the field of science," Luft adds.

While an induction program in science doesn't ensure that teachers will stay in the classroom, it does improve their ability to teach science.

Luft says science teachers often stay in education, but they move on to textbook sales or museum work. These are important educational areas that are outside of classroom teaching.

Davis and Glover are eager to get into their own classrooms.

"I've always wanted to teach," says Davis, an ASU freshman credited by Glover for the Snickers idea.

Glover, formerly a biology major at Montana State University in Billings, sampled classroom teaching as a student teacher. But when he heard about the earth science program at ASU, he transferred, changed his major and enrolled in the "Explorations in Education" course.

On a recent morning, Davis and Glover were in sixth-grade teacher James McKinley's class

for the last time to teach their geology lesson.

"We're back and we're excited," Glover said. "We want to hear those 'ooohs' and 'aaahs.'"

Arranged in small groups, the sixth-graders brought their own rocks, and they set to work with tiny magnifying glasses to figure out their classifications.

"We aren't the rock experts," Davis said. "You are."

Many of the sixth-graders, who thought they would dread a geology class, were engrossed with their specimens.

"They are cool to look at," said Ashley Collins, 11.

"I didn't even know there were three types of rocks," said Jeremiah Calderon, who brought a sparkling crystal.

There was a hearty debate among the students and Glover over the gleaming rock's classification. With Glover's help, they pronounced it metamorphic.

"Sometimes it's really hard to tell," he told the students.

Charmaine Turner decided she "loved rocks" because she thought diamonds were in that category. It turns out diamonds are minerals, but that didn't change her opinion of diamonds.

McKinley, the longtime classroom teacher, was glad to have Davis and Glover on board.

"They (Davis and Glover) work really well together and brought a lot of enthusiasm to the class," he says. "They have a lot of initiative and make class a lot of fun. And I can't believe they are so relaxed with the kids."

Sowers, a Mary Lou Fulton College of Education contributor, can be reached at (602) 524-4443 or csowers31@live.com.

W. P. Carey data reveal longest decline in home prices

By Debbie Freeman

New numbers show that, despite talk of economic stimulus and mortgage bailout plans, the Phoenix housing market continues to plunge, setting a new record with a 32 percent drop in average home prices in just one year. The latest data from the Arizona State University – Repeat Sales Index (ASU-RSI) reveals average prices in the Valley of the Sun declined 32 percent between November 2007 and November 2008.

The index started showing double-digit declines in home prices in March and has continued to fall about 2 percent more every month over the past few months. The current decline in home prices is now the longest in Valley history at 21 months of drops in the year-to-year index.

"It will probably be months before the index levels off, which would be the first step in ending the home prices decline," says Karl Guntermann, the Fred E. Taylor Professor of Real Estate at the W. P. Carey School of

Business at ASU, who calculates the ASU-RSI with research associate Alex Horenstein. "Preliminary estimates for December and January show the index is likely to drop another 1 percent each month."

The Sun City/Sun City West area has done relatively well in the most recent index – November 2007 to November 2008 – only dropping about 14 percent. Glendale has seen the worst dive at 37 percent.

The median price of houses in the index was about \$160,000 in October 2008, but it's down to \$150,000 for November. The peak was \$262,500 in 2006.

The ASU-RSI is based on repeat sales, which compare the prices of a single house against itself at different points in time, instead of comparing different homes with different quality factors.

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Pandemic Preparedness

Researchers at ASU's Decision Theater conducted a two-part Pandemic Influenza School Closure Exercise Feb. 12 and Feb. 19. The exercise, using scenarios based on World Health Organization threat levels, were designed to see how health and education officials in three counties – Coconino, Maricopa and Pinal – would collaborate and respond to an outbreak. Last year, the Decision Theater held one of the first pandemic influenza exercises of its kind in the country. For more information, go to decisiontheater.wordpress.com.



ANGELO FERNANDO PHOTO

Researchers strive to enhance online learning

By Verina Palmer Martin

Education researchers know that interaction increases learning, but the challenge is to find a way to prompt that interaction as online education continues to expand.

Among the many goals and desired outcomes of Arizona State University's vision of the New American University is to enroll 100,000 students in online courses by 2012. To accomplish this lofty goal, researchers such as ASU professor James Klein are trying to find the most effective way to present instruction via the Web.

"It's a very exciting time. Learning can be as effective online as it can be face to face," says Klein, a professor of educational technology with the Mary Lou Fulton College of Education, who is investigating the use of collaborative learning in various settings, including computer-based, classroom and online.

Klein notes that a number of his studies have examined the effects of collaboration in those settings with many types of students in public schools, community colleges, universities and corporate training settings geared for working adults.

One series of studies conducted with Jeremy Tutty during his doctoral work at ASU examined how to teach teachers online and help them integrate technology into their classrooms. Tutty, now an assistant professor at Boise State University, compared the effectiveness of working online collaboratively versus individually. Another graduate student, Christy Alarcon, now an instructional designer in ASU's W. P. Carey School of Business, later built upon Tutty's research by adding computer-based cues that prompted interaction online as well as interaction between students working side by side on computers.

"Jim Klein is one of the pre-eminent instructional design scholars in the United States, and his work has significance for practitioners and researchers alike," says Rita Richey, professor and program coordinator in instructional technology for the College of Education at Wayne State University, who co-wrote the book "Design & Development Research: Methods, Strategies and Issues" with Klein.

"His recent research in online learning holds great promise of providing a comprehensive empirical basis for the design and development of these programs. This is especially important today given the many pressures on

universities to quickly launch programs and enter the online marketplace," Richey says.

Tutty and Alarcon's doctoral dissertations, chaired by Klein, were the basis of a paper recently honored as the Outstanding Featured Research Paper by the Association for Educational Communications and Technology (AECT). The paper titled, "Effects of Instructional Setting and Interaction cues in Collaborative computer-based instruction," also has been submitted to the *Journal of Computing and Higher Education*. The research team also hopes to present their study results at the next meeting of the European Association for Research and Learning and Instruction (EARLI) in Amsterdam.

Klein says the growing availability of online courses is an educational movement that warrants further study.

"The continued proliferation of online courses means we must continue to do research in this area," he says. "What we know is that interaction increases learning. How do we get people to be actively involved online when we require students to collaborate?"

Klein, Tutty and Alarcon's work revealed that people who worked face to face had higher positive attitudes than those who worked online, though online students learned as much as the students in a classroom. When comparing collaborative learning to individual study, students preferred working together, but they didn't necessarily learn better than those who studied alone. However, the team also discovered that forced online interaction led to lower student motivation.

"We do know that interaction increases learning," says Klein. "Not only interaction with people but interaction with materials. The key is to get folks actively involved. There is a growing body of literature on the development of online learning that lends itself to that."

Because of the potential impact of online courses in higher education, Klein says it is important to develop well-designed tools, strategies and interaction, because effective instruction is as important online as it is in the classroom.

Klein says ASU is one of many public and private sector organizations that has identified innovations in online instruction as a top-level goal. He notes that private sector companies, such as Intel, are using online tools for business training and development at higher rates than ever before.

Palmer Martin, with the Mary Lou Fulton College of Education, can be reached at verina.martin@asu.edu.



James Klein

ASU partners up to bring language gaming to classrooms

ASU has formed a partnership with McNeill Designs for Brighter Minds that will inspire more students with language while engaged in a gaming atmosphere.

Officials with the university have completed an extensive licensing agreement with McNeill Designs that allows Arizona Technology Enterprises (AzTE) – ASU's intellectual property management company – to develop an online version of "You've Been Sentenced!" for use in classrooms. The online version will allow students to play the game with peers from other classrooms and schools all over the world in real time.

AzTE also has developed an interactive whiteboard format for classroom use, and has expanded the subject matter to include history, foreign languages and science.

"We see this as a great opportunity to truly advance 'You've Been Sentenced!' in the classroom and online with the completion of this project," says Martin Uniacke, president of McNeill Designs. "To have the largest and perhaps most entrepreneurially progressive

university in the country license our intellectual property was a wonderful affirmation of our flagship game."

Don McNeill, the company's chief executive officer, has seen the game go from a "family fun night" staple to an innovative educational tool.

"When I created 'You've been Sentenced!', I wanted it to be a great family fun game," he says. "But now, just about once a week, we get a thank-you letter from a teacher or homeschooler who are reaching youths that they had not been able to reach before, because now they are not making sentences – they are just playing a game."

The game uses cards with conjugations of funny words, famous names and familiar places. Each player uses his or her hand of 10 cards to build a grammatically correct sentence and races the other players while also trying to score the most points per round.

Since its creation in 2005, "You've Been Sentenced!" has won several awards, including the *Creative Child Magazine's* seal of

excellence 2007, the Spewgie Award for Best Family Fun Game 2007, and a National Parenting seal of approval. It also is a MENSAs Society's *Parenting for High Potential* magazine resource roundup pick.

The interactive whiteboard version of "You've Been Sentenced!" will launch in June at the National Educational Computing Conference, presented annually by the International Society for Technology in Education. It features workshops, lectures and interactive forums with key industry members to promote the field of educational technology.

The project's team of developers will be led by ASU's Paul Skiera, who is the director of technology-based learning and research (TBLR). He has been committed to finding technology-driven solutions since the earliest stages of technology in education.

TBLR is an educational technology research center at ASU, and McNeill Designs was created in 2004 as a toy and game development firm. For more information, visit the Web site www.McNeillDesigns.com.

In THE NEWS

ASU experts frequently are called upon by the local and national news media to provide insight and opinion on current events and issues of public interest. Following are excerpts of recent news articles featuring ASU representatives.

A new study from researchers in France shows that female tawny owls with dark red plumage mount a more powerful response to infection than females with lighter feathers. However, darker females lost more weight over the course of the study than pale females, suggesting that color advertises their immune strategy rather than overall health. "The combined usage of biochemistry, immunology, behavioral ecology and genetics in this study of animal coloration is unparalleled," says **Kevin McGraw**, life sciences professor. *Nature* news, Jan. 29.

Cuatro Ciénegas, in Mexico's Chihuahuan desert, is considered an evolutionary "hot spot" for modern Darwins. The oasis could yield insights into what sparked the Cambrian transition, a pivotal time about 540 million years ago when simple, single-celled life developed into a wide variety of multicellular forms. "There was a sudden and explosive diversification of animal life from some trigger that we haven't as yet identified," says **Jack Farmer**, an ASU paleontologist. "Cuatro Ciénegas may provide clues because the mechanisms that control the region's biodiversity may have operated during the Cambrian period." *Discover*, Feb. 10.

Thirty-five years after anthropologist **Don Johanson** found the fossilized skeleton of "Lucy," the world's best-known ancestor of modern humans, he says she still has lessons to teach. "I never thought, when I found her on that November day, that she would turn out to be such an icon in human evolution," says Johanson, director of ASU's Institute of Human Origins. "Lucy has gone a long way in introducing people not just to the idea of evolutionary change, but particularly to the fact that humans have evolved," he says. *MSNBC*, Feb. 10.

ASU physicist **Paul Davies** believes that a second form of "weird life" that has yet to be discovered may have originated on Earth. He says that the conventional view that all life on Earth originated once from a common ancestor may be wrong, and that another form of microbial life may exist in parallel to life as we know it. "We're not talking about some kind of life we can't see for mystical reasons," Davies says. "We're talking about microbial life, and in this realm some little organisms may have an alternative biochemistry derived from a second or subsequent genesis event." *Cape Times*, Feb. 24.

In the future, the force astronomers now known as "dark energy" will stretch the universe beyond detection, with objects receding faster than the speed of light, according to ASU cosmologist **Lawrence Krauss**. Even without dark energy, there are regions of space moving away from us faster than the speed of light, Krauss adds. "When that happens, they carry objects with them, like a surfer on a wave," Krauss says. "The light from those objects cannot reach us. So, eventually, the universe will disappear before our eyes." *Discovery News*, Feb. 23.

Outstanding entrepreneurial student wins 'Research Paper of the Year'

By Carol Sowers

At age 23, Jason Bronowitz plans to complete his doctoral degree in business education this summer at ASU. That alone might be enough to impress his professors. But there's more.

"I've never seen one so young this far along," says Martha Rader, an associate professor of business education with the Mary Lou Fulton College of Education, who calls Bronowitz "a prodigy."

Phil Regier, executive dean of the W. P. Carey School of Business, says he quickly recognized Bronowitz's gift for organization and creativity. Regier selected the young man for an array of jobs, including directing entrepreneurial initiatives for the dean's office.

"I don't know how I'd get along without Jason," Regier says.

For a student who came to ASU less than two years ago, Bronowitz is laying deep tracks. He is an instructor at the Department of Management, coordinates the entrepreneurship program at the W. P. Carey School of Business and is coordinator for a new entrepreneurship certification program. He also has taught courses in the business education and secondary education programs.

One of his most recent honors came this past November, when his research project on entrepreneurship was named "Outstanding Research Paper of the Year" by Delta Pi Epsilon, when the professional association for business educators met in Chicago. The national award typically is given to professors. Taking their praise a step further, the judges said Bronowitz's research and resulting paper "was good enough to be a dissertation."

Bronowitz began his research in the spring of 2007 by surveying

120 students in the business school about their reasons for enrolling in entrepreneurship classes. The surveys, administered before and after students completed the classes, were designed to "see how we can improve our teaching, and from a program level, see how we can improve our curriculum as a whole," Bronowitz says.

The survey supported earlier research by others that found students' "desirability for a career as an entrepreneur doesn't really matter much," Bronowitz says, adding that self-confidence on entrepreneurship-related tasks "will have much more of a lasting influence on your actual intent to pursue entrepreneurship."

Because entrepreneurship classes are offered in a range of majors – including engineering, science, fine arts and other disciplines – Bronowitz is widening his research.

He has surveyed 2,000 freshmen from across the university about their knack for innovative business practices, and he plans to continue his research by evaluating students enrolled in entrepreneurship courses at the university.

"I grew up around a family of entrepreneurs," he says. "When my mother took me home from the hospital, we went right to our family's alarm company in Hewlett, N.Y."

Still, Bronowitz says he is drawn to teaching. He began tutoring when his George W. Hewlett High School guidance counselor asked him to help a student with biology. He was 15. He charged a small fee, and his tutoring business soon grew to include after-school and weekend sessions.

"I enjoyed taking something complex and boiling it down to

something that is easy to understand," Bronowitz says.

He has continued to teach throughout his college career, including Binghamton University in upstate New York and at Tufts University in Boston. While there, he worked with first-grade, special-education students as an intern at a local elementary school.

"That was in addition to the two English and two economics courses I was taking," he says. "I was 19 and teaching two sections of microeconomics."

Rader says Bronowitz is a remarkable teacher.

As part of a doctoral internship, he taught a personal finance class for teachers last summer with Rader. The teachers were tutored in financial literacy, the Arizona Retirement System and designing a personal financial plan.

"We had marvelous student evaluations, and they were education majors," Rader says. "They said it was the best class they ever had."

Regier hired Bronowitz to use grant money earmarked to help university entrepreneurship programs. Bronowitz charged out of the starting gate, developing ideas and classes that led to the university's first certificate in knowledge entrepreneurship and innovation for students throughout the university.

Bronowitz, who directs the certificate program, says that students don't have to be business majors to get entrepreneurial experience.

Sowers, a Mary Lou Fulton College of Education contributor, can be reached at (602) 524-4443 or csowers31@live.com.

Academic Bowl

University champions secure national spot

By Erica Velasco

The ASU Academic Bowl winning team from the College of Liberal Arts and Sciences was nudged out of a regional championship by the University of California-Los Angeles, at the Feb. 7 tournament. Following a close rematch in the final round, the ASU team came in second, but played well enough to earn a wild card for the national tournament.

This is the second time in as many years that the team has been invited to represent ASU at a national academic tournament. Representing ASU's wild-card team are captain Erin Hutchinson, a senior majoring in global studies; Kenneth Lan, a sophomore majoring in biological sciences; Mary Beth Hutchinson, a sophomore majoring in religious studies and history; and Carolyn Moss, a junior majoring in history.

"I didn't know what to expect going into the competition," says Mary Beth Hutchinson. "The games were a lot more energetic, nerve-wracking and competitive compared to the ASU Academic Bowl. We faced a higher caliber of teams with universities like the California Institute of Technology and Stanford."

In talking about the types of questions in competitive play, she notes her team is not strong in sports but was able to answer key questions.

"Erin and my family followed the Phoenix Suns and Pittsburgh Steelers growing up," she says. "Our family's favorite player is Dan Majerle. When a question came up about him, within the first five seconds Erin knew the answer."

During the match, when the score was



PHOTO BY CAROL HUGHES

College of Liberal Arts and Sciences students Erin Hutchinson, left, and Mary Beth Hutchinson practice for the regional Academic Bowl Tournament.

tied, a toss-up question was asked about the Pittsburgh Steelers.

"I knew the answer, and it helped us get ahead in a very close game," she says. "It's fun when you can answer questions that not only relate to your academic strengths, but relate to you personally as well."

The national Intercollegiate Championship Tournament is set for April 3-4 at the Dallas-Fort Worth Airport. It is organized by the National Academic Quiz Tournaments. Among the other teams invited to the national competition are: the University of Alabama; Carleton College; Carnegie Mellon University; Case Western Reserve University; University of Chicago; Cornell University; Davidson College; Gonzaga University; Grinnell College; Hunter College; McMaster University; Miami University (Ohio); University of Michigan; Mississippi State University; University of

Missouri-Columbia; Ohio State University; Princeton University; Rensselaer Polytechnic Institute; University of California-Los Angeles; Vanderbilt University; University of Virginia; Washington University in St. Louis; and Yale University.

In the Feb. 7 regional tournament held at UCLA, the ASU College of Liberal Arts and Sciences team dominated play in the final rounds of the competition and, at one point, was declared winner of the tournament against UCLA. A protest to the answer of a toss-up question resulted in a rematch, which the UCLA team won.

The College of Liberal Arts and Sciences team won last year's ASU Academic Bowl, came out on top in regional play, and then seventh in the national tournament.

Velasco, with the College of Liberal Arts and Sciences, can be reached at (480) 965-1156 or erica.velasco@asu.edu.

Climate change exhibit demands international lens

Nearly 200 ASU students and staff members turned out on a chilly February morning to participate in the opening of the ThinkSwiss Climate Trail Exhibit on the Old Main lawn.

The traveling exhibition was created by the Embassy of Switzerland and sponsored at ASU by the Global Institute of Sustainability and ASU Global, the Office of the Vice President for Global Engagement.

About a quarter of event attendees received prizes for correctly answering a Climate Trail quiz, part of the interactive exhibit.

Swiss Consul General Brigitta Schoch Dettweiler traveled from Los Angeles to co-conduct the opening activities. She spoke about the latest scientific findings on climate change, highlighted Swiss research efforts and urged her audience to take action to help reduce carbon emissions. "The global dimension of climate change, that respects no borders, is apparent," she said. "Only with broad and strong international commitment will we be able to tackle this complex problem."

She also noted the positive relationship between the United States and Switzerland, and advocated extending that relationship to jointly confront "a major challenge of our time – climate change and sustainability."

She concluded her remarks by answering a hypothetical question and echoing a popular slogan from the recent presidential campaign: "In response to the question as to whether we can benefit our societies and economies with the necessary measures, my answer would be, 'Yes, we can!'"

The exhibit is part of "ThinkSwiss – Brainstorm the Future," a U.S.-based program on Swiss education, research and innovation guided by Presence Switzerland, the Swiss State Secretariat for Education and Research, and the Swiss Federal Department of Foreign Affairs.

For more information about the ThinkSwiss initiative, visit the Web site www.thinkswiss.org. For the Global Institute for Sustainability, visit the Web site <http://sustainability.asu.edu> and ASU Global, go to www.asu.edu/global.

Symposium features women of color who lead

By Carol Hughes

Women of color who have been elected to the office of president of national learned societies will gather at Arizona State University Feb. 27 for an unprecedented summit and leadership workshop. The women, who include scholars from across the humanities and social sciences, will discuss how they have individually and collectively influenced and led changes that are taking root in higher education.

Titled "Madam President," the symposium will take place from 7:45 a.m. to 12:30 p.m. Feb. 27 in the Memorial Union, Ventana Rooms A and B, at ASU's Tempe campus.

Speakers include: Darlene Clark Hine, Organization of American Historians, and Southern Historical Association; Pat Hill Collins, American Sociological Association; Beverly Guy-Sheftall, National Women's Studies Association; Nell Irvin Painter, Organization of American Historians, and Southern Historical Association; Dianne Pinderhughes, American Political Science Association; Pearl Robinson, African Studies Association; Loriene Roy, American Library Association; and Vicki Ruiz, American Studies Association. The program's rapporteur is Frances Smith Foster, who ran for president of the Modern Language Association in 2007.

"This is an opportunity to learn from women at the pinnacle of power who are engaged in transforming those institutions," says professor Stanlie James, president of the ASU Women's Faculty Association and director of



Stanlie James

ASU's African and African-American Studies Program in the College of Liberal Arts and Sciences.

The summit is conducted by ASU's Faculty Women's Association with support from President Michael Crow and Provost Elizabeth D. Capaldi.

"It's noteworthy that, in the first decade of this 21st century, women of color have been elected to the leadership position in many of the nation's learned societies," James says. "This is an exciting moment in American intellectual history, and we didn't want it to slip past us."

Learned societies, or scholarly organizations, sponsor annual conferences, publish new research in their disciplines in journals and newsletters, as well as recognize the body of work produced by individual scholars with distinguished awards and fellowships.

"ASU is a perfect fit for such a symposium given the transformative path we're on in building a New American University model," James says. "We'll hear their stories, learn about their roles as women of color, and about their impact on the evolution of these learned societies, and how they are making a difference."

Hughes, with the College of Liberal Arts and Sciences, can be reached at (480) 965-6375 or carol.hughes@asu.edu.

Insight *On campus*

February 27, 2009

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Rodel program comes full circle for graduate

By Matt Crum

Sir Isaac Newton attributed his contributions to humanity to “standing on the shoulders of giants.” The Rodel Exemplary Teacher Initiative has given one ASU graduate, who “stood on the shoulders” of a fellow ASU alumnus as he prepared to enter the teaching profession, the chance to make the same impact on a new crop of teachers.

Al Schwalm and Ray Thomas are fifth-grade teachers at Cordova Middle School in the Alhambra Elementary School District. As Schwalm was pursuing his bachelor's degree through ASU's College of Teacher Education and Leadership (CTEL), he was selected as a Rodel Promising Student Teacher for the spring semester in 2005. The designation meant that Schwalm would be placed with a mentor designated by the Rodel Charitable Foundation of Arizona as an exemplary teacher. That mentor was Thomas, a 1999 CTET graduate.

Now Schwalm has been selected as one of 17 Rodel Exemplary Teachers for 2009. The group was honored at a Feb. 5 awards banquet.

Schwalm becomes Arizona's first teacher to complete the circle from promising student teacher to exemplary teacher in the Rodel program. This fall, he will welcome a Rodel Promising Student Teacher into his classroom; five more will follow over a three-year period.

“I am delighted to see that one of our first Rodel graduates rose to the top in the search for 2009 Rodel Exemplary Teachers,” says Carol Peck, president and chief executive officer of the Rodel Charitable Foundation of Arizona. “Our team was impressed with Al's teaching skills, student engagement and potential to mentor the next generation of teachers.”

At Cordova Middle School, Schwalm and Thomas often collaborate to inspire their students, many of whom come from low-income families. Among their myriad projects, Schwalm and Thomas initiated a “News on the Air” program in which students produce a video announcement and news program for the school. This project gives students experience researching and



RODEL FOUNDATION PHOTO

Al Schwalm, left, has become Arizona's first teacher to complete the circle from promising student teacher to exemplary teacher in the Rodel program. He is the mentor of Ray Thomas, a Rodel Promising Student Teacher at Cordova Middle School in the Alhambra Elementary School District.

writing scripts, shooting and editing video, and producing newscasts.

Schwalm serves as an inspiration to those considering a mid-career move into the teaching profession. He began his quest for a teaching degree in his early 40s after many years in manufacturing.

“I actually went back to school to learn technology, but I found that I was much more interested in watching my instructors teach,” he says. “Observing how they designed lessons and conveyed information was fascinating to me.”

Schwalm says that when Rodel Foundation representatives visited ASU to explain the Teacher Initiative to CTET students, he knew immediately that he wanted to participate.

“The opportunity to student teach with

the best of the best was one that I relished,” he says. “Ray Thomas gave me an education that I know most would not have the opportunity to receive.”

Thomas describes the semester he served as Schwalm's student-teaching mentor as a fantastic experience.

“Al was a natural,” Thomas says. “He focused in on students who were challenging and worked to find ways to engage them in learning. He sought feedback and was eager to try out new things.”

“We are proud to count these two outstanding teachers as members of CTET's alumni family,” says Mari Koerner, dean of CTET. “While talented educators often move away from teaching in urban school districts, Al and Ray are dedicated to making”

(See RODEL PROGRAM on page 8)

Undergraduate helps engineer micro devices

By Debra Fossum

Growing up at Lakenheath Air Base in the United Kingdom, Michael Garcia became fascinated with the fighter planes flying overhead. That curiosity stuck with him. Today, he is senior studying aerospace engineering at Arizona State University.

Garcia began his research at ASU in the Ira A. Fulton School of Engineering's Fulton Undergraduate Research Initiative (FURI) program. Without FURI, Garcia does not think he would be involved in undergraduate research.

Henry Sodano is Garcia's mentor. The ASU engineering professor is always available for questions. Sodano allows his students the creative freedom to try their own ideas in the lab.

“He is very supportive of my goals and offers a lot of encouragement,” Garcia says.

Last fall, Garcia's FURI research focused on compressing stiff, thin films to build stretchable, micro-scale, energy harvesting devices. He attached piezoelectric barium titanate to a layer of electrodes. The material is a ceramic that can generate an electrical charge when stressed. Electrodes are electrical conductors used to connect nonmetallic pieces of a circuit. By making the attachments, Garcia created small ribbons in the barium titanate.

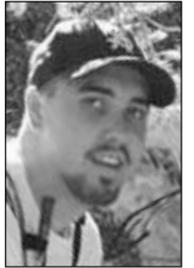
The next step was to adhere poly dimethylsiloxane (PDMS) to the barium titanate. PDMS is a widely used silicon-based polymer. That removed the ribbons.

“By stretching the piezoelectric ribbons, vibrations are created,” Garcia explains. “These vibrations allow energy to be captured and stored for later use.”

Garcia says that the work holds great promise for developments in more compact energy storage solutions for mobile devices and similar technologies.

Garcia began a new project this spring. He is working on methods to develop autonomous self-healing materials using shape-memory polymers. Shape-memory polymers have the ability to return to their original shape after being deformed. He is working with Sodano to develop materials systems that can sense the presence of damage, stop its progression and heal it.

“The concept is to create materials which can sense damage and react to it in ways similar to



Michael Garcia

(See STUDENT'S RESEARCH on page 8)

Workshop links photography to science with urban ecology art

By Margaret Coulombe

Arizona State University graduate students are bringing top researchers of deserts from around the world to ASU and presenting science in a way that's unexpected — as art.

Students have created the PhotoGraphy Workshop as part of the three-day conference “Dynamic deserts: resource uncertainty in arid environments” held Feb. 26-March 1 in Old Main's Carson Ballroom on the Tempe campus. Supported by the Frontiers in Life Sciences program and developed by the School of Life Sciences to enhance student training and career development, graduate student organizers have planned and will conduct an innovative forum with 114 participants from five continents, including key faculty speakers from Israel, Chile, Spain and Australia's desert hot spots.

“We wanted to create an intimate, intensive venue where ASU students from many different disciplines could share information and approaches,” says Bethany Cutts, a doctoral student studying water policy. “It's rare for students to have access to leading scientists, natural resource managers, policy-makers and educators who are all committed to building international, cross-disciplinary collaborations.”

To complement the scientific exchange, conference organizers created the workshop to consider how scientists can better communicate their work to the public. This is where ASU Regents'

Professor Mark Klett takes center stage as invited speaker and PhotoGraphy workshop moderator.

The collaboration is led by Klett, a professor in ASU's Herberger College of the Arts, and spearheaded by urban ecology students Cutts and Christofer Bang. It centers on photographs depicting Phoenix and its residents provided by Klett and graduate students participating in the Phoenix Transect Project and Klett's own Re-Photography Project. In addition, materials from ASU's Central Arizona Project Long-Term Ecological Research (CAP LTER) program will be combined with tables, graphs and other figures added by conference participants from around the globe.

Workshop attendees will discuss the pairing of photographic art with research results and the potential implications for scientific literacy in the public.

The workshop will focus on “ways of seeing pattern and process,” Klett says, and involve photographers, scientists and outreach coordinators. The gathering will allow participants to share photographs and research results that relate to nature and culture in the world's deserts.

“We hope this collaboration will serve as inspiration for open and continuous dialogue between scientists and artists about ways to develop new interpretive frames for completed work and new work,” Klett says. “Science students have been challenged to think beyond their own work, while the art students have gained

a deeper understanding of what they are photographing.

“Linking the arts and science creates opportunities for dialogue between people who view patterns and processes in the same spaces through very different lenses. For scientists, it is a chance to pursue connections between projects whose interrelatedness is reinterpreted through photography.”

Klett, who is a geologist as well as a photographer, has focused on the intersection of culture, landscapes and time. He established his artistic perspective on the American West landscape as the chief photographer for the Rephotographic Survey Project (1977-1979), which rephotographed Western sites first captured by surveyors in the late 1800s. Since then, Klett has written 13 books and exhibited his work nationally and internationally.

“The Frontiers in Life Sciences Conference Series is especially timely in light of high amounts of uncertainty associated with future climate change,” says Beth Hagen, a doctoral student in the School of Life Sciences in the College of Liberal Arts and Sciences. “This conference will allow us to form collaborations and spur synthesis between researchers, managers and artists that work in desert systems throughout the world.”

To view this exhibit, contact resource.uncertainty@gmail.com or visit the Web site <http://sols.asu.edu/frontiers/2009>.

Coulombe, with the School of Life Sciences, can be reached at (480) 727-8934 or margaret.coulombe@asu.edu.



Events are free, unless otherwise noted. Items in the "Exhibitions" section run at exhibit opening and on the first of each month only. Building abbreviations are listed according to the official ASU phone directory. Send information to Judith Smith at jps@asu.edu or fax (480) 965-2159. For information about ASU events, visit the Web at <http://events.asu.edu>.

Meetings

Monday, March 2

University Senate, 3-5 p.m., Education Lecture Hall (DC) 117. Information: (480) 965-2222.

Sunday, March 8

Alpha Lambda Chapter of Phi Delta Gamma, 2 p.m., Interdisciplinary Science and Technology Building (ISTB) 1 room 174. PDG is an honor society for graduate students and those who have completed graduate degrees. Information: (480) 567-2114.

Thursday, March 12

Arizona Board of Regents, 8 a.m.-5 p.m., Memorial Union (MU) Alumni Lounge (202). Also March 13. Information: (480) 965-2222.

Lectures

Friday, Feb. 27

"Species Diversity Maintenance and Long-term Change in a Community of Sonoran Desert Annual Plants," 2 p.m., Old Main. Speaker: Larry Venable, professor, ecology and evolutionary biology, University of Arizona. Part of the "Frontiers in Life Sciences" conference sponsored by School of Life Sciences. Information: sols.asu.edu/dynamicdeserts.

"Gene Regulatory Networks in Development and Evolution," 2-3 p.m., Life Sciences Center (LS) E-104. Speaker: Eric Davidson, Norman Chandler Professor of Cell Biology, Cal Tech. Part of the Darwinfest Distinguished Lecture Series sponsored by School of Life Sciences. Information: (480) 727-8934 or Margaret.coulombe.asu.edu.

"From Primary Metabolism to Secondary Metabolism and Beyond: A Role for Intrageneric Homologs," 3:30 p.m., Bateman Physical Sciences Center (PS) H-150. Speaker: Vahe Bandarian, Department of Biochemistry and Molecular Biophysics, University of Arizona. Sponsored by Department of Chemistry and Biochemistry. Information: (480) 965-2093.

"Primate Origins: Is the Fossil Record Worth Looking At?" 3:30-4:30 p.m., School of Human Origins and Social Change (SHESC) room 340. Speaker: Gregg F. Gunnell, Museum of Paleontology, University of Michigan. Sponsored by the School of Human Evolution and Social Change. Information: <http://shesc.asu.edu/colloquia>.

Tuesday, March 3

"Health Care Entrepreneurism-Legal Challenges," 12:10 p.m., Armstrong Hall (LAW) room 114. Speaker: Dr. John Shufeldt, CEO of HealthCare Urgent Care. Co-sponsored by the Law and Science Student Association and the Center for the Study of Law, Science, & Technology. Information: (480) 965-2465 or Andrew.Askland@asu.edu

Thursday, March 5

"The Nucleons Went Two By Two: Short Range Correlations in Nuclei," 4 p.m., PS F-101. Speaker: Larry Weinstein, Jefferson Laboratory. Sponsored by Department of Physics. Information: (480) 965-3561.

Friday, March 6

"Titans: Arneson & Frey," 11 a.m., ASU Art Museum. Speakers: Jean Makin, curator of prints, and Andrea Feller,

curator of education at the ASU Art Museum. Part of the Conversations @11 Lecture Series. Information: (480) 965-2787.

Wrigley Lecture, noon-2 p.m., Global Institute of Sustainability (GIOS) room 481. Speakers: Mitch Thomashow, president of Unity College, and Cindy Thomashow, executive director of the Center for Environmental Education at Unity College. Lunch included. R.S.V.P.: sustainabilityevents@asu.edu.

"Ultra High-Speed Micro-PIV and Studies of Precision Micro Detonators," 2:30-3:30 p.m., Schwada Classroom Office Building (SCOB) room 252. Speaker: Michael Murphy, ASU. The lecture is sponsored by Mechanical and Aerospace Engineering Department. Information: (480) 727-0476.

"Photoinduced Charge Transfer in Efficient Molecular Solar Cells," 3:30 p.m., PS H-150. Speaker: Gerald Meyer, Johns Hopkins, Departments of Chemistry and Materials Science & Engineering. Sponsored by Department of Chemistry and Biochemistry. Information: (480) 965-2093.

Saturday, March 7

"Desert Foods Past and Present," 1-2 p.m., Deer Valley Rock Art Center, 3711 W. Deer Valley Road, Phoenix. Speaker: Colleen O'Brien, an environmental anthropologist whose research interests involve the dynamics of culture change, cultural foodways, and conservation and sustainability particularly in the desert Southwest. Information: (623) 582-8007.

Monday, March 9

"Comprehensive Metabolic Profiling Technologies Provide New Insights into Diabetes and Obesity Mechanisms," 11 a.m., Biodesign Institute Auditorium. Speaker: Chris Newgard, professor of pharmacology and cancer biology; professor of internal medicine; W. David and Sarah W. Stedman Distinguished Professor; director, Sarah W. Stedman Nutrition and Metabolism Center. Sponsored by Biodesign Institute Center for Innovations in Medicine. Information: (480) 727-0370.

"Kinetic Analysis of Cellular Bioenergetics," 1 p.m., Biodesign Institute Auditorium. Speaker: George Rogers, Seahorse Biosciences. Sponsored by Biodesign Institute Center for Ecogenomics. Information: (480) 727-0370.

Conferences

Friday, Feb. 27

"Parameters and Typology: Hierarchies, Features, and UG," 9:30 a.m.-5 p.m., Durham Language and Literature Building (LL) room 316. A linguistics symposium. Concludes with dinner. Topics include "Agreement parameters and Models of Case Assignment" and "Phases and Templates in Georgian Agreement." Sponsored by College of Liberal Arts and Sciences and the Department of English. Information: (480) 965-2563 or ellyvangelder@asu.edu.

Friday, March 6

"Collaboration: A Winning Strategy," 8 a.m.-4 p.m., Hilton Scottsdale Resort and Villas, 6333 North Scottsdale Road, Scottsdale. The ASU Lodestar Center hosts the 11th Annual Forum on Nonprofit Effectiveness. The winner of the inaugural \$250,000 Collaboration Prize will be introduced. Information: (602) 496-0185 or amy.ohara@asu.edu.

Friday, March 13

Annual Rocky Mountain Legal Writing Conference, 5-8 p.m., Armstrong hall (LAW), Great Hall and Steptoe & Johnson Rotunda. A professional development experience coordinated by legal writing faculty at several law schools in the West. Continues 8 a.m.-6 p.m. March 14. Registration is free, but limited. Information: (480) 727-8726 or Amy.Langenfeld@asu.edu.

Miscellaneous

Saturday, Feb. 28

Pioneer Award Dinner, 6 p.m., La Sala Ballrooms, West campus. Jean Williams, Arizona's first African American

woman judge, is honored. Free but R.S.V.P. required: (602) 543-5311. Part of Black History Month at the West campus.

Monday, March 2

"Stress Management," 12:15-1:30 p.m., Discovery Hall room 212. This workshop, co-sponsored by CLTE and Counseling and Consultation, will provide participants an opportunity to reflect and regroup for managing stress in and outside the classroom. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

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Friday, March 13

Decision Theater Tour, 3-4 p.m., Decision Theater, 21 E. 6th St., Suite 126A, Tempe. Reservations: (480) 965-4098 or Michele.nobles@asu.edu.

Friday, March 27

"Public Participation for Decision Makers," 8:30-11 a.m., Planning + Design Academy at PURL, 234 N. Central, 8th Floor, Phoenix. Instructor: John Godec, Godec, Randall & Associates. Registration fee: \$150. Information: (480) 727-9819 or laurel.arndt@asu.edu.

Ollie's Storybook Adventures, 10-11 a.m., Deer Valley Rock Art Center, 3711 W. Deer Valley Road, Phoenix. Theme is "Squirrels at Deer Valley." For children ages 3 to 6. Admission. Information and reservations: (623) 582-8007.

Astronomy Open House, 8-10 p.m., on the roof of the Bateman Physical Sciences Center H Wing (5th Floor). Come anytime during the evening and take a peek through the telescopes, see a poster display or take an astronomy quiz. Information: (480) 965-7652 or <http://homepage.mac.com/agfuentes/openhouse.html>.

Tuesday, March 3

Research Proposal SharePoint Training, 10:30 a.m.-noon, Centerpoint (CTRPT) room 310A. Sponsored by Office of Research and Sponsored Projects Administration. Information: (480) 965-1225 or <http://researchadmin.asu.edu/training/workshops>.

Geographic Information Systems (GIS) Career Fest, 1-4 p.m., Memorial Union (MU) Turquoise Ballroom (220). Sponsored by ASU, the Arizona Geographic Information Council (AGIC), and the Arizona chapter of the Geospatial Information and Technology Association (GITAz). Information: <http://issrweb.asu.edu/careerfest>.

Wednesday, March 4

Faculty Book Club, 2-4 p.m., Discovery Hall room 212. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

Saturday, March 7

"First Saturdays for Families at the ASU Art Museum," 11 a.m.-3 p.m., ASU Art Museum. For children ages 4 to 12. All materials are provided, and the young artists get to take their creations home with them. Information: (480) 965-2787.

Wednesday, March 11

"The Fundamentals of Research Administration," 9 a.m.-noon, Centerpoint (CTRPT) room 310B. Intended for faculty, research scientists, post-docs, and graduate students. Sponsored by Office for Research and Sponsored Projects Administration. Information: (480) 727-0765 or ORSPA-Training@asu.edu.

Events and Performances

*Indicates tickets are available at Herberger College of Fine Arts Box Office, Nelson Fine Arts Cen-

EMPLOYMENT

The following positions are available as of Feb. 27 and are subject to change. All positions will be advertised in *Insight* only once. The staff requisition or job order number for each position is indicated by the (#) sign. ASU is an equal opportunity-affirmative action employer.

ASU POSITIONS

A complete job announcement for classified, administrative and service professional positions at the Downtown Phoenix, Polytechnic, Tempe and West campuses is available on the Human Resources Web page at www.asu.edu/asujobs, or the Telecommunication Device for the Deaf at (480) 965-3002.

For complete position descriptions and application requirements for academic positions, contact the appropriate department listed below. Faculty, academic professional and graduate assistant positions are also listed on the Human Resources Web sites and details must be obtained from the hiring department. Application deadlines are listed.

Dates listed are application deadlines, and application material is due by 11:59 p.m. on that date. Positions are 100 percent, full-time employment (FTE) unless otherwise noted.

Code below is: (O) – position is open to the public.

STAFF POSITIONS

TEMPE CAMPUS

Professional

Coordinator, Student Entrepreneur #22283 (O) - VP-Research and Economic Affairs (March 6).

Project Coordinator – Communication #22287 (O) - College of Liberal Arts and Sciences (March 4).

Research/Lab Assistant #22286 (O) - School of Earth and Space Exploration (March 6).

Research Specialist #22285 (O) – Biodesign Institute (March 9).

Research Specialist #22295 (O) - School of Life Sciences (March 31; if not filled,

then every week thereafter until search is closed).

DOWNTOWN PHOENIX CAMPUS

Professional

Research Specialist #22282 (O) - College of Nursing & Healthcare Innovation

(March 4).

ter, (480) 965-6447.

****Indicates tickets are available at ASU Gammage, Mill Avenue and Apache Boulevard, (480) 965-3434; ASU Kerr Cultural Center, 6110 N. Scottsdale Road, Scottsdale, (480) 596-2660.**

■ Friday, Feb. 27

Coffee at Kerr, 10:30 a.m., ASU Kerr Cultural Center, Scottsdale. Brad Richter and Viktor Uzer preview their 8 p.m. concert. Free but R.S.V.P. required: (480) 596-2660. Bring a can of food or sealed personal item for Vista del Camino food bank.

Site-specific staging of "Eurydice," 7:30 p.m., Atrium Lobby, University Center building, 411 N. Central Ave., Phoenix. Other performances: 7:30 p.m., Feb. 28; 2 p.m., March 1. Admission. Box Office: (480) 965-6447.

Puccini Double Bill: "Suor Angelica" and "Gianni Schicchi," 7:30 p.m., Evelyn Smith Music Theatre. "Suor Angelica" is the tragic tale of a young girl sent to a convent. Hardships and her family's lack of forgiveness lead Sister Angelica to poison herself. "Gianni Schicchi" is a comic opera in which a greedy family gets what they deserve after they conceal the death of their wealthy relative and engage a rogue to change the will. Other performances: 7:30 p.m., Feb. 28, 2 and 7:30 p.m., March 1.*

Guitar-cello duo Brad Richter & Viktor Uzer, 8 p.m., ASU Kerr Cultural Center, Scottsdale**

■ Saturday, Feb. 28

Shana and Joe Bousard, 8 p.m., ASU Kerr Cultural Center, Scottsdale. They'll play and sing everything from jazz to Broadway.**

■ Sunday, March 1

"Bottoms Up!" 2:30 p.m., Organ Hall. A collaboration between legendary tubist Sam Pilafian and organist Kimberly Marshall.*

■ Monday, March 2

"A Sonic Feast," 7:30 p.m., ASU Gammage. Performing: The ASU Sinfonietta.

■ Tuesday, March 3

ASU Concert Jazz Band, 7:30 p.m., Katzin Concert Hall. Mike Kocour directs.

■ Wednesday, March 4

The Great Joey DeFrancesco, 7:30 p.m., ASU Kerr Cultural Center, Scottsdale. DeFrancesco is the reigning king of big-band organ players in the world.**

ASU Symphony Orchestra, Chamber Orchestra, 7:30 p.m., ASU Gammage. Program includes Dvorák's Symphony No. 8 and Mozart's Overture to "The Impresario."

■ Thursday, March 5

ASU Wind Bands, 7:30 p.m., Mesa Arts Center, Ikeda Theater, 1 East Main St., Mesa. Guest artists: Tim McAllister, saxophone and Robert Spring, clarinet.

Guitarist Margarita Escarpa, 7:30 p.m., Katzin Concert Hall.*

■ Friday, March 6

"A Beautiful Deception: From Impressionism to Surrealism," 8 p.m., ASU Kerr Cultural Center, Scottsdale. Enjoy the music of Debussy, Ravel and Satie, and a short film by René Clair with score by Satie.**

■ Wednesday, March 11

Coffee at Kerr, 10:30 a.m., ASU Kerr Cultural Center, Scottsdale. Arizona Opera offers "Intro to Tosca." Free but R.S.V.P. required: (480) 596-2660. Bring a can of food or sealed personal item for Vista del Camino food bank.

■ Thursday, March 12

"Cool Like That," 7:30 p.m., ASU Kerr Cultural Center, Scottsdale. A "poeticduction" presented by Black Poet Ventures showcasing the music of jazz great Miles Davis. Also 7:30 p.m., March 13-14.**

Exhibitions

Art Café, Memorial Union—7 a.m.-9 p.m., Monday-Thursday; 7 a.m.-3 p.m., Friday; 8 a.m.-3 p.m., Saturday; 4-8 p.m., Sunday. Information: (480) 965-9600.

ASU Art Museum, Nelson Fine Arts Center—Regular hours: 11 a.m.-9 p.m., Tuesday; 11 a.m.-5 p.m., Wednesday-Saturday; 1-5 p.m., Sunday. Summer hours: 10 a.m.-5 p.m., Tuesday-Saturday. Information: (480) 965-2787.

ASU Art Museum Ceramics Research Center—11 a.m.-5 p.m., Tuesday-Saturday, Tempe Center.

Through Feb. 28, "Midstream: New Ceramics from the Heartland" uncovers the work of three artists who are

Exhibit shows AIDS effect on communities

By Matt Crum

The nationally touring, interactive World Vision Experience: AIDS exhibit will travel to Arizona State University's West campus March 15-22 to raise awareness about the effects of the AIDS pandemic on children in developing countries.

Visitors to the free exhibit will view the AIDS crisis through the eyes of a child in an AIDS-affected community in Africa. World Vision Experience: AIDS features an audio tour, coupled with dramatic photography, to provide visitors with a new perspective on the greatest humanitarian crisis of our time.

The exhibit, which has been presented in numerous communities across the United States, is making its first appearance in Arizona. World Vision Experience: AIDS is sponsored by the Office of Student Engagement on ASU's West campus, in cooperation with World Vision, a humanitarian organization dedicated to working with children, families and their communities worldwide to reach their full potential by tackling the causes of poverty and injustice.

"World Vision is giving Valley residents an opportunity to see, hear and experience in a personal way the lives of children whose worlds have been devastated by AIDS," says Kevin Cook, dean of student affairs at ASU's West campus. "We invite the local community to join us as we do our part to make a difference in the lives of those most affected by this

disease — our children."

Visitors to the 2,500-square-foot exhibit will walk through a replica of an African village while listening on headsets to a story of a child whose life has been affected by AIDS. The stories profiled in the exhibit are those of four real children touched by the work of World Vision, and are inspired by true events.

World Vision Experience: AIDS visited 75 cities during 2007/2008, and is slated to visit 40 more in 2009. Approximately 4,000 to 5,000 visitors are expected to tour the exhibit in each city during a typical eight-day stay.

"World Vision, unfortunately,



WORLD VISION PHOTO

The touring, interactive World Vision Experience: AIDS exhibit travels to ASU's West campus March 15-22 to raise awareness about the effects of the AIDS pandemic on children in developing countries.

cannot take thousands of Americans to Africa to witness the tragedy of the AIDS pandemic personally," says Richard E. Stearns, president and CEO of World Vision, U.S. "So we've created this exhibit to enable people to 'step into Africa' and learn more about the effects of the greatest humanitarian disaster of our time and how they can help. No one can do everything, but each of us can do something to help turn the tide against AIDS."

World Vision serves all people regardless of religion, race, ethnicity, or gender. More information about the organization is available at www.worldvision.org.

Exhibit hours are:

March 15: 10 a.m. to 8 p.m.
March 16: 10 a.m. to 8 p.m.
March 17: 9 a.m. to 8 p.m.
March 18: 10 a.m. to 8 p.m.
March 19: 10 a.m. to 8 p.m.
March 20: 10 a.m. to 8 p.m.
March 21: 10 a.m. to 8 p.m.
March 22: 10 a.m. to 7 p.m.

World Vision Experience: AIDS is not recommended for children under 12; parental discretion is advised. For more information, or to schedule a time for a large group to visit the exhibit, call the Office of Student Engagement at (602) 543-8200.

ASU's West campus is at 4701 W. Thunderbird Road in Phoenix; the exhibit will be housed in the La Sala ballroom in the campus's University Center Building.

Crum, with Public Affairs at the West campus, can be reached at (602) 543-5209 or matthew.crum@asu.edu.

defining a new generation of clay workers, reflecting diverse backgrounds working with new issues of identity. Their work is bold in its commentary on global issues and moves to a broader examination of humanity through humor, fantasy or direct honesty.

Deer Valley Rock Art Center—9 a.m.-5 p.m., Tuesday-Saturday; noon-5 p.m., Sunday. 3711 W. Deer Valley Road, 2 miles west of I-17. Information: (623) 582-8007.

Opens March 3, Children's Rock Art Exhibition. In celebration of Arizona Archaeology Month, the Deer Valley Rock Art Center hosts its 11th Annual Children's Art Exhibit, an exhibit that highlights the significance of rock art in Arizona through the eyes of kids. This is a juried art show with awards in all categories. The competition is open to grades K-8 and must represent an Arizona rock art or archaeology theme.

Museum of Anthropology—11 a.m.-3 p.m., Monday-Friday, Cady and Tyler Malls. Information: (480) 965-6224.

Through March 13, "Arte Popular: A Preview of the New Latin-American Folk Art Collection" is a new exhibition of Latin-American folk art, recently acquired by the School of Human Evolution and Social Change from Arizona State University's Center for Latin-American Studies. To give visitors a taste of the larger collection, 20 pieces of folk art collected in countries throughout Latin-America will be displayed in the exhibition. From a brightly painted Costa Rican tea cart made in the style of the famous ox carts originally engineered to transport coffee, to two papier-mache alebrijes — ferocious and fantastic creatures first created by Mexican folk artist Pedro Linares — this exhibition invites visual exploration of craft and relates information about the cultural context of folk art to visitors.

Fletcher Library, ASU at the West campus—Exhibits open during library hours. Information: (602) 543-8500.

The Galleria—8 a.m.-6 p.m., Monday-Friday, located in Mercado Building C, 502 E. Monroe St., Phoenix. Information: (602) 496-1500.

Gallery 100—1-5 p.m., Monday-Thursday; 1-3 p.m., Friday. Tempe Center, suite 199. Information: (480) 965-2380.

R.S. Dietz Museum of Geology—9 a.m.-noon,

Monday-Friday, Physical Sciences Center F-wing foyer. Information: (480) 965-7065.

Harry Wood Gallery—9 a.m.-5 p.m., Monday-Thursday, 9 a.m.-3 p.m., Friday, Art Building, first floor. Information: (480) 965-3468.

Hispanic Research Center—8:30 a.m.-5 p.m., Monday-Friday, Interdisciplinary 2nd Floor A Wing. Information: (480) 965-3990.

Museum of Anthropology—11 a.m.-3 p.m., Monday-Friday, Cady and Tyler Malls. Information: (480) 965-6224.

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Night Gallery—6-9 p.m., Thursday-Sunday, 2000 E. Rio Salado Parkway, suite 1021, Tempe. Information: (480) 965-3468.

Opens March 5, "Handle With Care" is the thesis exhibition of MFA candidate Marco Rosichelli. It consists of 25,000 multicolored plastic balls. This unusual exhibit provides an opportunity for adults to play, have fun and interact.

Defenses

Julie Sallquist, PhD, Psy., 11 a.m., March 2, PSY 217.

Maragrita Pignataro, PhD, Span., 4 p.m., March 2, ECA 370.

Melinda Baham, PhD, Psy., 8:45 a.m., March 4, PSYN 201.

Student's research holds great promise

(Continued from page 5)

biological systems, much like the human immune system," Sodano says.

Garcia's research experience helped him gain acceptance into the dual bachelor of science and master of science program in the Fulton School of Engineering, which allows him to earn both degrees in four years. Upon graduation, Garcia plans to incorporate what he has learned from his undergraduate research to better understand aircraft construction in his post-graduate study.

He may even reinvent the fighter planes he used to admire from afar.

Fossum, with the Office of Research and Economic Affairs, can be reached at debra.fossum@asu.edu.

Rodel program provides high-need schools with talented teachers

(Continued from page 5)

ing a difference in the lives of children who don't have some of the advantages of kids in higher-income neighborhoods. They do so by having high expectations for themselves and their students – a value we strive to instill in all CTEL graduates."

The Rodel Exemplary Teacher Initiative specifically targets high-need schools. Rodel Exemplary Teachers chosen through a rigorous selection process are awarded \$10,000 in U.S. savings bonds in return for their commitment to mentor six Rodel Promising Student Teachers. The student teachers selected for the program in Maricopa, Pima and Coconino counties receive supplemental training from Rodel staff members that addresses the challenges of teaching in high-poverty schools and focuses on practical strategies for increasing student achievement.

SRP and JPMorgan Chase have been supporting partners with Rodel, helping to name individual exemplary teachers and

promising teachers.

"The exemplary teacher initiative is having a tremendous impact in getting dedicated teachers into high-need schools, one classroom at a time," Koerner says. "CTEL students, faculty and staff are honored to participate in the program."

As for Schwalm and Thomas, both maintain an allegiance to CTEL. Thomas went on to earn a master's degree from CTEL, while Schwalm speaks of the "all-encompassing" preparation he received while pursuing his bachelor's degree.

"Instructors were able to combine research-based content with their own experiences to make courses applicable to what could be expected in a classroom today," Schwalm says. "When I speak with colleagues from other teaching programs, they are amazed at the depth of instruction that CTEL provided for me."

Crum, with Public Affairs at the West campus, can be reached at (602) 543-5209 or matthew.crum@asu.edu.

In BRIEF

Celebrate 400 years of the telescope

Celestial sights including the moon, Venus and Saturn will come into clear focus through telescopes set up for public viewing at Arizona State University's West campus, from 7-9 p.m., March 4.

This year's version of the popular Astronomy Open House program takes on special significance because of the 2009 designation as the International Year of Astronomy. As participants look skyward, they will be helping celebrate the 400th anniversary of Galileo's development of the telescope.

The Astronomy Open House has been a campus tradition for more than a decade.

"It's literally fun for the whole family," says Paul Schmidtke, senior lecturer in astronomy with ASU's New College of Interdisciplinary Arts and Sciences. "For many participants, it's the first chance they've ever had to look at the stars through a telescope."

The event is free and open to the public.

Telescopes will be set up along the bicycle path west of the multipurpose field, near the Central Plant building. ASU's West campus is at 4701 W. Thunderbird Road in Phoenix.

For more information about the Astronomy Open House, contact Schmidtke at paul.schmidtke@asu.edu. Details about the International Year of Astronomy can be found at www.astronomy2009.org/.

Lisa Loo presents Diversity Day lecture

Lisa Loo will present a Diversity Day lecture, "Lawyers and Giving: The Roads to Community and Bar Involvement" at 12:15 p.m., March 2, at the Sandra Day O'Connor College of Law at ASU in Armstrong Hall, room 105.

As Deputy General Counsel at ASU, Loo focuses on commercial transactions, real estate, procurement, financings and immigration matters. Before joining ASU in 1993, Loo was in private practice for eight years. She is one of the founding members of the Arizona Asian American Bar Association. Loo obtained her law degree from the University of Virginia in 1985 and her undergraduate degree from Fordham University in 1982.

This lecture is free and open to the public.

Race relations award nominations open

Arizona State University is seeking nominations for the A. Wade Smith Community Award for Advancement of Race Relations. The award is given to an Arizona resident whose efforts contribute to the improvement of race relations in the community. Nominations for the award are due March 6. Nomination information and the form are available online at clas.asu.edu/smithlecture or by calling (480) 965-1441.

The A. Wade Smith Memorial Lecture committee selects the annual recipient based on demonstrated leadership and courage in the advancement of race relations in Arizona. Past recipients include Doris Marshall, Raner Collins, Betty Fairfax and Jean Fairfax, and Elsie Moore.

The award will be presented March 30 as part of the annual A. Wade Smith Memorial Lecture on Race Relations, held on ASU's Tempe campus. Julianne Malveaux, an author, woman's activist and civic leader, is this year's lecturer. The event is free and open to the public.

The annual A. Wade Smith Memorial Lecture on Race Relations honors the memory and life work of its namesake. Smith, a former ASU professor and chair of sociology, worked tirelessly to improve race relations on campus and in the Valley. He also chaired the ASU Campus Environment Team.

After his death in 1994, Smith's friends and family, with support from ASU and the College of Liberal Arts and Sciences, established the lecture series to improve race relations on campus and within the greater community. Well-respected leaders and scholars, including Cornel West,

Mary Frances Berry, Ray Suarez and Leonard Pitts Jr., are among the talented speakers who have presented this lecture on race relations at ASU.

Conference focuses on nonprofit strategies

ASU's Lodestar Center will conduct an interactive conference from 8 a.m. to 4 p.m., March 6, that is aimed at nonprofit professionals, volunteers, board members and anyone interested in nonprofit collaboration. The day includes nationally recognized keynote speakers and breakout sessions focused on collaboration strategies for nonprofits.

The forum is to help provide knowledge and tools to enhance the effectiveness of those who lead, manage and support nonprofits.

At this year's conference luncheon, the winner of the inaugural \$250,000 Collaboration Prize will be introduced. The prize recognizes exceptional partnerships between nonprofits. The luncheon also will include a celebration of the ASU Lodestar Center's 10th anniversary.

Keynote speakers include Carol Lukas, president of the Fieldstone Alliance, and Paul Luna, president and chief executive officer of the Helios Education Foundation.

The sessions provide a hands-on workshop with the Fieldstone Alliance's "Collaboration Handbook: Creating, Sustaining and Enjoying the Journey," as well as discussions with local nonprofit professionals who have gone through the collaboration process in variously sized organizations.

The conference will take place at the Hilton Scottsdale Resort and Villas located at 6333 North Scottsdale Road. To register, visit: <http://nonprofit.asu.edu> or call (602) 496-0500.

Tsosie contributes to "Indigenous Rights"

Rebecca Tsosie, executive director of the Indian Legal Program at the Sandra Day O'Connor College of Law, has contributed a paper on "Indigenous Treaty Rights: Sacred obligations, Intercultural Justice and the Discourse of Treaty Rights," to a book, "Indigenous Rights" that will be published by Ashgate in April.

Throughout the world, indigenous rights have become increasingly prominent and controversial," states the book's description. "The recent adoption by the United Nations General Assembly of the Declaration on the Rights of Indigenous Peoples is the latest in a series of significant developments in the recognition of such rights across a range of jurisdictions.

"The papers in this collection address the most important philosophical and practical issues informing the discussion of indigenous rights over the past decade or so, at both the international and national levels. Its contributing authors comprise some of the most interesting and influential indigenous and non-indigenous thinkers presently writing on the topic."

The book is edited by Anthony J. Connolly, of the Australian National University.

Kittrie speaks at National Academy of Sciences

Professor Orde F. Kittrie, of the Sandra Day O'Connor College of Law, recently spoke at the unveiling of a joint report by the National Academy of Sciences and the Russian Academy of Sciences on "The Future of the Nuclear Security Environment in 2015." Kittrie wrote a chapter in the report titled "Maximizing U.S.-Russian Nuclear Security Cooperation in 2015: Legal Obstacles and Opportunities."

The report provides the findings of a joint project to

identify U.S. and Russian views on what the international nuclear environment will be in 2015, what challenges may arise from that environment, and what options the United States and Russia have in partnering to address those challenges.

In his remarks, delivered Jan. 29 in Washington, D.C., Kittrie noted the report identifies "some very important and indeed exciting areas of similar thinking and common ground" between the U.S. and Russian participants, "several issues on which progress could quite possibly be made, and perhaps quickly" by the Obama administration. These include further reducing the U.S. and Russian nuclear arsenals, and enhancing joint U.S.-Russian activities to combat nuclear terrorism and address nonproliferation challenges posed by third countries.

Kittrie is a leading expert on nonproliferation law and policy. He testified on nonproliferation issues before both the U.S. Senate and House in 2008. In addition, he is one of 12 members of a special congressionally created committee to make recommendations on how to improve U.S. nonproliferation programs. Before joining the ASU law faculty in 2004, Kittrie served for 11 years at the U.S. Department of State, including as the Department's lead attorney for nuclear affairs. In that capacity, he participated in negotiating five U.S.-Russia nuclear agreements and a U.N. treaty to combat nuclear terrorism.

Entrepreneurship award nominations open

The Ewing Marion Kauffman Foundation, in its efforts to promote entrepreneurship at U.S. universities, is pleased to announce that the nomination period is now open for the Kauffman Junior Faculty Fellowship in Entrepreneurship Research.

This annual program recognizes junior faculty who are beginning to establish a record of scholarship and exhibit the potential to make significant contributions to the body of research in the field of entrepreneurship. The Kauffman Foundation will award up to five fellowships to junior faculty members from universities across the United States. Each fellow's university will receive a grant of \$50,000 over two years to support the research activities of the fellow. Nominations will be accepted online from now until March 9.

To see the complete call for nominations, including submission guidelines, visit the Web site www.kauffman.org/kjff and direct all questions to kjff@kauffman.org.

ReelNative presents 5-part documentary

"We Shall Remain" is a five-part documentary presenting a multifaceted look at Native American ingenuity and perseverance over the course of more than three centuries.

This documentary will air on Eight/KAET-TV on Mondays at 9 p.m., beginning April 13. ReelNative is a groundbreaking project that encourages Native people to give voice to their heritage and address contemporary issues through the production of short videos. The films, produced in nationwide ReelNative workshops have been shown at film festivals across the country and given prominence on the "We Shall Remain" Web site.

The free kickoff celebration for the documentary is open to the public and will take place from 4 to 6 p.m., Feb. 27 at the Heard Museum at 2301 N. Central Ave. in Phoenix. The event will include a panel discussion on how to approach storytelling through media. Please R.S.V.P. to Jeannine Berg at (480) 965-1051 or at community.partnerships@asu.edu.



Orde F. Kittrie



Rebecca Tsosie

Students launch astronautics lessons in Valley classrooms

By Joe Kullman

Rocket science is being taken to higher altitudes at Arizona State University by Daedalus Astronautics.

The rocket club members – about 35 ASU students, mostly engineering majors – are earning top regional and national rocketry awards against formidable competition. They are mentoring elementary, middle and high school students in the basics of science, engineering and math. And they're broadening opportunities for ASU students to get hands-on experience in technology design and development.

The club recently gained some major recognition when James Villarreal, who founded Daedalus Astronautics five years ago, won a top prize at the American Institute of Aeronautics and Astronautics (AIAA) Foundation International Student Conference, a leading national aerospace industry showcase held in January in Orlando, Fla.

In a 2008 regional AIAA competition against teams from other major universities, Daedalus members took first place in the team category for their research paper and a presentation before judges from Boeing and Honeywell corporations, and the National Aeronautics and Space Administration.

Daedalus Astronautics, says aerospace engineering senior Steven Shark, "has allowed me to gain experience in the application of engineering principles on real projects. It's an unbelievable feeling to take a design as sketches on a piece of paper and turn it into a rocket launching into



JESSICA SLATER PHOTO

James Villarreal, founder of Daedalus Astronautics, builds a structure that club members use to test rocket motors. The rocket club consists of about 35 students, mostly engineer majors, and mentors elementary, middle school and high school students in the basics of science, engineering and math.

the sky, and then be able to present that design in front of aerospace professionals."

Adds Jacob Dennis, a senior in aerospace engineering: "With the experience we have gained, we now have the tools necessary to design, build and verify a solution to any problem placed before us. This is a skill that sets us apart from the majority of our peers."

Villarreal established Daedalus Astronautics with the help of a donation from Raytheon Corp., a major defense and aerospace company. The club's efforts have been promising enough

to since attract funding from Orbital Sciences Corp., as well as from NASA and ASU's Ira A. Fulton School of Engineering.

Five members will be doing internships with Raytheon this summer, and the company recently awarded a fellowship to one club member to help him complete graduate studies.

"Our enduring goal is to design and build a progressively more complex family of high-powered, suborbital rockets," Villarreal says. "This is exactly the type of extracurricular activity that, when coupled with real hands-on

work, augments a typical education and makes students more attractive for employers."

Club members are gearing up for more opportunities to showcase their rocketry skills at competitions around the United States, including the Experimental Sounding Rocket Association Intercollegiate Rocketry Competition and the NASA University Student Launch Initiative later this year.

Daedalus members also will be at the AIAA Region VI conference in March, where they will present new work on hybrid motors and aerospace nozzle technologies.

Daedalus has brought rocketry instruction to more than 800 elementary, middle and high school students in the Phoenix metropolitan area, helping these students build their own small model rockets. Thousands of other students have seen Daedalus members present launch exhibitions.

"Our outreach efforts are geared to promote a passion for scientific exploration in young students," says Kelly Mahon, an aerospace engineering graduate student and one of six female members of Daedalus. "We take students through the whole process. They see how exciting science and math can be beyond reading textbooks and doing homework assignments."

For more information about Daedalus Astronautics, visit the Web site www.daedalusastronautics.com.

Kullman, with the Ira A. Fulton School of Engineering, can be reached at (480) 965-8122 or joseph.kullman@asu.edu.

Professor to discuss earth science impacts

By Carol Hughes

University of Arizona's planetary scientist and impact specialist H. Jay Melosh is this year's recipient of the Eugene Shoemaker Memorial Award, presented by the BEYOND Center for Fundamental Concepts in Science at Arizona State University.

As part of the honor, Melosh will deliver the annual Shoemaker Memorial lecture at 7:30 p.m., March 4, in Armstrong Hall's Great Hall on ASU's Tempe campus. The title of his talk is "Our Catastrophic Solar System: Impacts and the Latest Revolution in Earth Science."

"From the impact-scarred faces of the moon and Mars, to the death of the dinosaurs, impacts have set the course of planetary evolution," Melosh says. "We now believe that the moon itself was born in a planetary scale impact between the Earth and a Mars-size protoplanet about 4.5 billion years ago."

Melosh, a Regents' Professor of Planetary Science at UA's Lunar and Planetary Lab, is a science team member of NASA's deep impact mission that successfully cratered comet Tempel 1 July 4, 2005.

"Impacts have brought us samples of Mars and the moon in the form of meteorites, and may have transferred life from Earth to Mars or vice versa," Melosh says. "Even now, asteroids that cut across the Earth's orbit are being catalogued as potential threats to our civilization."

"The study of meteorite impacts has evolved from the obscure pastime of a few visionary scientists a half-century ago to the forefront of modern research."

The transfer of life between Mars and Earth is something that Shoemaker himself speculated on in 1965, according to Melosh.

"It is particularly fitting to present the Shoemaker Award to Jay Melosh in the year of Darwin's bicentenary, because Melosh was the first person to recognize that cosmic collisions can transfer life between Mars and Earth," says Paul Davies, professor and direc-

tor of the BEYOND Center in ASU's College of Liberal Arts and Sciences. "It is now generally acknowledged that microbes can hitchhike on rocks blasted into space by big impacts, and travel across the solar system."

Shoemaker was known for his pioneering research with his wife, Carolyn, in the field of asteroid and comet impacts. Last year's recipient was Walter Alvarez, geologist and author of "T. rex and the Crater of Doom." In 2007, Apollo 17 astronaut Harrison Schmitt was the first recipient of the award.

Among many other contributions to the field of astronomy, Shoemaker, his wife, and their friend David Levy, discovered a comet that collided with Jupiter in 1994. That comet was named Shoemaker-Levy 9.

The Eugene Shoemaker Memorial Award is presented each year to a leading scientist in honor of his or her life and work.

This year's recipient, Melosh, has received the Hess Medal from the American Geophysical Union in 2008, the Gilbert Prize from the Geological Society of America in 2001 and the Barringer Medal from the Meteoritical Society in 1999. He was a Guggenheim Fellow and a Humboldt Fellow at the Bavarian Geological Institute. He was elected to the U.S. National Academy of Sciences in 2003. The asteroid 8216 was named "Melosh" in his honor.

Melosh is also a fellow of the Meteoritical Society, Geological Society of America, American Geophysical Union, and American Association for the Advancement of Science.

His principal research interests include impact cratering, planetary tectonics, and the physics of earthquakes and landslides. His recent research includes the giant impact origin of the moon, Cretaceous-Tertiary boundary impact that extinguished the dinosaurs, ejection of rocks from their parent bodies, and origin and transfer of life between the planets.

The Eugene Shoemaker Memorial Lecture is free and open to the public. Seating is limited. More information can be found by calling (480) 965-3240 or visiting the Web site <http://beyond.asu.edu>.

Hughes, with the College of Liberal Arts and Sciences, can be reached at (480) 965-6375 or carol.hughes@asu.edu.



Jay Melosh

Cronkite School to conduct speaker, film spring series

A Pulitzer Prize-winning photojournalist, two leading journalists from *Newsweek* and local television news anchors are among featured speakers at the Walter Cronkite School of Journalism and Mass Communication "Must See Mondays" speaker series.

Upcoming speakers for the series include: Fox 10 anchor John Hook; Rene Byer, winner of the 2007 Pulitzer Prize for feature photography; and other prominent local and national journalists.

Speakers are scheduled to address journalism issues in the First Amendment Forum every Monday night through April 20, with the exception of March 9, spring break.

Other spring events at the school include "Cronkite Night at the Movies," an evening film series showcasing journalism-themed movies such as "Shattered Glass," "Network" and "Thank You for Smoking."

The movies, to be viewed on the giant 16-by-9-foot, high-definition screen in the First Amendment Forum each Wednesday night, will be preceded by a discussion led by a Cronkite faculty member.

Movie nights and "Must See Mondays" begin at 7 p.m. in the First Amendment Forum, the multi-tiered gathering space in the school's new six-story, state-of-the-art home at 555 N. Central Avenue on the Downtown Phoenix campus.

They are free and open to the public.

For a full schedule of spring events, visit the Web site cronkite.asu.edu/about/events.php.

Daylong summit supports adult students returning to college

By Matt Crum

An event designed to build support systems for Arizona's adult college students, and adults who may want to return to college but aren't aware of the resources available to help them, is set for 8 a.m. to 4:30 p.m., April 3 at Arizona State University's West campus.

Community college and university faculty and staff members, along with business and community organization representatives, will join with adult students for the Experience Education Summit.

There is no admission charge for the event. The registration deadline is March 15. Registration information is available online at <http://experiencEducation.asu.edu>. ASU's West campus is located at 4701 W. Thunderbird Road in Phoenix.

"Arizona is eighth in the nation in terms of the percentage of adults aged 25 to 50 who have completed some college coursework, but we are 38th in bachelor's degree recipients," says Experience Education Summit organizer Bonnie Wentzel, an ASU graduate student in communication studies. "Extending a helping hand to those who have started but not completed a bachelor's degree could quickly make a significant impact on the education level of Arizona's population."

The daylong summit is designed to elicit dialogue among a variety of stakeholders across a range of disciplines, Wentzel says.

"Our goal is to produce concrete results in the form of new community alliances to support adult students," she says.

The day's speakers include Karen Poole, associate director of the Maricopa Community

Colleges' Center for Workforce Development, and lunchtime keynote speaker Carol Kasworm, professor and head of the Department of Adult and Higher Education at North Carolina State University and a nationally recognized expert on adult undergraduates in higher education. Kasworm's appearance is made possible by the Maricopa Community Colleges.

Experts from colleges and the community will lead morning panel discussions that examine advocacy, resources and support for adult students. A team of ASU communication studies students will present facts, figures and a film focusing on the multiple-role adult student.

Breakout sessions in the afternoon will focus on topics including financing one's education, professor-student relations, career options, balancing family and school, and mentoring the

adult student.

"This event can help community groups and colleges learn about ways we can help each other support adult students, who tend to excel in college because they are bright, hard-working and well-organized," says Vincent Waldron, an ASU professor of communication studies who is Wentzel's thesis adviser.

Participants will learn about a grant from the Bernard Osher Foundation to ASU that provides scholarships for adult students returning to school after a gap in their pursuit of a bachelor's degree. Unlike many other scholarships, Osher Reentry Scholarships are available to part-time as well as full-time students.

Crum, with Public Affairs at the West Campus, can be reached at (602) 543-5209 or matt.crum@asu.edu.

Humanities research institute probes concerns of today, tomorrow

By Erica Velasco

Geographers, artists, social scientists and ecologists are stepping outside their comfort zones to learn from one another, while incorporating humanities perspectives into their shared research interests.

ASU's Institute for Humanities Research has taken the lead in promoting excellence and innovation in humanities scholarship by contributing to scholarly research and engaging the community.

The institute explores the significant role that the humanities play in issues and questions normally considered the province of the social sciences, technology studies and the sciences. Part of ASU's College of Liberal Arts and Sciences, the institute has two major funding programs for faculty research: year long collaborative fellowships and seed grants. These programs support humanities faculty research and expose researchers in other fields to what humanities research is, how it operates and why it is important.

Also, these funding initiatives often attract additional external research dollars. This academic year, ASU received four grants from the National Endowment for the Humanities, three of which were directly related to the institute.

"Any institution receiving four grants from the National Endowment for the Humanities in one funding cycle is extraordinary," says professor Sally Kitch, director of the Institute for Humanities Research. "Considering the small amount of funding available and the increasing number of applications, this number is significant. Sponsoring three of these grants demonstrates the positive impact of the institute's initiatives."

Two ASU faculty members received a National Endowment for the Humanities grant for a summer institute celebrating the 100th anniversary of ecologist, forester and environmentalist Aldo Leopold's arrival in the Southwest.

Co-directors are Daniel Shilling, a 2007-2008 visiting fellow and research professional in the Institute for Humanities Research, and Joan McGregor, a professor in the School of Historical, Philosophical and Religious Studies whose focus is bioethics, environmental ethics, philosophy of law, and social and political philosophy. They will lead scholars in exploring Leopold's influence in the development of modern environmental ethics and the movement for wilderness preservation.

"The research being conducted by Shilling and McGregor not only enhances the intellectual climate of the university, but it also demonstrates how important the humanities are in sustainability research, which is usually considered the province of the sciences," Kitch says. "This summer institute will bring together the world's pre-eminent Leopold scholars to focus on the role of literature, philosophy and history in developing the core principles and values that will directly influence today's sustainability efforts."

The month long summer institute will take place at the Sharlot Hall Museum in Prescott, Ariz., and will accept 25 college and university faculty members from across the United States. The summer institute will explore the historical, philosophical and cultural sources of Leopold's ideas to produce new research and develop projects that enhance research and teaching on this topic.

Leopold's celebrated book "A Sand County Almanac," published in 1949, will be studied from different perspectives through guest scholars and readings.

"Many people have written about our relationship to the natural environment, but there is a reason we keep going back to the same voices – among them Henry David Thoreau and Aldo Leopold," Shilling says. "For me, Leopold represents something of a tipping point, where science, culture and economics come together in a powerful, and often beautiful, way. Similar to Thoreau and earlier Native American perspectives, Leopold says that we should value the land as something other than a commodity for us to use and exploit. What he adds is strong scientific reasoning, since it was during Leopold's time that foresters and other land managers began to understand the relatively new science of 'ecology,' which maintains, among other things, that humans are just one part of the natural landscape – not the dominant part."

"The institute is bringing together some of the nation's finest scholars in environmental history, environmental ethics, nature writing, and related disciplines to serve as faculty; through their classroom activities and field trips to sites that hold historic significance. The faculty members and participants will also be working with Sharlot Hall Museum to plan a traveling exhibition that captures his book and many contributions to Arizona, such as creating one of the first management plans for Grand Canyon National Park."

Activities related to the summer institute will include weekly lectures by nationally recognized Leopold scholars, including J. Baird Callicott, Susan Flader, Curt Meine, Scott Russell Sanders and Julianne Warren.

"His significance today is clear: when we speak of 'sustainability' and 'green development,' for example, we are using the language of Leopold," Shilling says.

The application deadline is March 2. Notifications of acceptance will be distributed by April 1. More information and application material is available online at <http://ihr.asu.edu/leopold/application>.

The institute's seed grant program, established in 2005, addresses socially significant issues with innovative solutions. In 2008, a team of ASU researchers received a National Endowment for the Humanities planning grant to design and implement "Becoming Arizona," an online encyclopedia of Arizona

Humanities fellows explore political conflict

By Erica Velasco

ASU's Institute for Humanities Research offers two related fellowship programs that encourage the cross-disciplinary activity necessary to address socially significant issues. Organized around an annual theme – this year, it's the humanities and political conflict – one program provides research funding for two ASU faculty teams, and the other supports two visiting fellows.

One of this year's teams is preparing a documentary film project – "The Dawning of Liberty" – about the life and times of Padre Antonio José Martínez, a 19th century New Mexican. ASU fellows collaborating on this endeavor include Paul Espinosa, professor in the ASU Department of Transborder Chicana/o and Latina/o Studies; Daniel Cutrara, assistant professor in the film and media studies program; and Daniel Ramirez, assistant professor in the School of Historical, Philosophical and Religious Studies in the College of Liberal Arts and Sciences.

Martínez was one of the leading historical and intellectual figures in the American Southwest during the 19th century and lived through a period of rapid transformation of the region. Like tens of thousands of other 19th century individuals who lived in what is now New Mexico, Martínez found himself caught between two worlds – the Mexican-Spanish culture that he had defended for most of his life and the Anglo-American culture that was taking over his native land through conquest. The team of fellows will study his life as a microcosm of clashing political interests and competing value systems that have shaped the history of the region.

The other ASU fellows project is exploring the relationship among religion, politics and violence in the Middle East, with possible application to other contested regions. Two ASU faculty members are delving into the role of religion and holy sites as crucial socio-political forces and key components of many hotly contested political struggles around the world.

The ASU fellows team includes Arieh Saposnik, assistant professor in the School of International Letters and Cultures, and Yoav Gortzak, assistant professor in the School of Government, Politics and Global Studies in the College of Liberal Arts and Sciences.

This project will stretch the understanding of religion and conflict as individual concepts, as well as how they combine into a relationship. The research will combine a social science approach of international relations and security studies with a humanistic perspective rooted in cultural history and the study of cultures.

"Both ASU fellows' projects expand our understanding of the importance of humanities research to a topic not usually connected with such studies," says professor Sally Kitch, director of the Institute for Humanities Research. "The teams have found many areas of mutual interest, including the need to define religion, to understand the use of the Bible to promote violence, and to consider the importance of place and cultural memory in promoting both conflict and peace."

In addition to the two ASU fellow teams, the institute is sponsoring two visiting fellows this spring. The visiting fellows spend the spring semester in residence to pursue research and collaborate with ASU faculty members, give seminars and public lectures on their research topics, and contribute to the enrichment of humanities scholarship at ASU.

One of this spring's visiting fellows is Lawrence Bogad, an associate professor of performance studies at the University of California-Davis. He is examining performance art as an activist tactic. Bogad will study creative street theater and how it tries to be a voice for marginalized social movements. He is investigating the advantages and limitations of street theater, as well as documenting how contemporary groups draw inspiration from techniques of nonviolent civil disobedience pioneered by Gandhi and Martin Luther King Jr.

He is looking at whether civil disobedience performances surprise, entertain and provoke citizens, politicians and the media, or if they are an unwelcome and bizarre distraction. Bogad will position the performance tactics in the context of the historical passive resistance to give a more complete understanding of the role of performance in the history of social

change in the United States.

The other visiting fellow is Gabriele Schwab, the Chancellor's Professor of English and Comparative Literature at the University of California-Irvine. Her fellowship project will merge the fields of literary studies, anthropology and trauma theory to study violent histories from the perspective of trans-generational trauma.

She will explore the role of literary texts and writing – including fiction, poetry, memoirs and creative non-fiction – from Jewish and German Holocaust literature and postcolonial literature from the United States, New Zealand, Chile and Guatemala. She will cover diverse topics such as traumatic writing, memory, torture, rape and disappearances, as well as emotions related to culture.

One way Schwab is integrating her fellowship with the campus community is by getting involved with the institute's cluster on gender, language and visual culture in the 21st century comparative literature.

"From their first day in the fellows seminar, our visitors have made significant contributions to our explorations of the humanities and political conflict," Kitch says. "Their projects help us understand the relationship between violence and cultural and individual memory, the political conflicts that can emerge from debates about memory, and even the role of nonviolence in breeding violence."

The Institute for Humanities Research in ASU's College of Liberal Arts and Sciences is accepting applications for the 2009 fellows programs. The theme is utopias-dystopias and social transformation, and is designed for scholars whose research addresses the nature, value and meaning of utopias and dystopias for social transformation by crossing boundaries within the humanities.

The visiting fellows application deadline is March 2, and the ASU fellows application deadline is March 16. More information and applications at <http://ihr.asu.edu> or 480-965-3000.

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Gabriele Schwab

history, culture, politics, economics and other topics as a tribute to Arizona's centennial in 2012. This project received a \$10,000 seed grant from the institute in 2006 to help garner the planning grant.

The project team from ASU's School of Historical, Philosophical and Religious Studies includes Nancy Dallett, an academic associate in history; Christine Szuter, professor of practice and director of ASU's scholarly publishing certificate program; Janelle Warren-Findley, associate professor of history; and Noel Stowe, who died Dec. 13, a professor who founded the university's public history program and is recognized for his work in helping Arizona preserve its heritage.

"Becoming Arizona" will fuse the perspectives and expertise of various disciplines at ASU and other stakeholders to plan the creation of the state's first comprehensive electronic reference tool.

"The seed grant program inspires humanities research in accordance with the mission of the institute, which is to promote transdisciplinary humanities-based, socially engaged research," Kitch says. "It also serves as a way for our researchers to be more competitive for external funding, which has been very successful, especially last year."

Another National Endowment for the Humanities grant focusing on Arizona is "Nature and History at the Nation's Edge: A Field Institute in Environmental and Borderlands History." The research, teaching and outreach program on the cultural and environmental history of the Sky Islands borderlands

region of Arizona, New Mexico, Sonora and Chihuahua, Mexico, is led by a team of historians, geographers and ecologists. The researchers include Paul Hirt, associate professor of history in the School of Historical, Philosophical and Religious Studies and affiliated with ASU's School of Sustainability; Katherine Morrissey, associate professor of history at the University of Arizona; Samuel Truett, associate professor of history at the University of New Mexico; and Marsha Weisiger, associate professor of history at New Mexico State University. The grant will be administered by the University of Arizona and was a result of a 2007 seed grant from the institute.

"We are very pleased to be part of the ASU New American University mission to engage in research that makes a difference, because we think the institute's projects do make a difference," Kitch says. "Project after project deals – from a humanities perspective – with some of the most compelling social and cultural concerns of today, yesterday and tomorrow."

Seed grant funds are available to junior and senior humanities faculty members or collaborative teams of faculty members involving non-humanists. Up to \$12,000 can be requested for the purpose of conducting research and developing proposals for submission to external funding agencies.

The deadline for seed grant applications is April 6. More information is available online at <http://ihr.asu.edu/funding/grants/seed>.

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Professor receives Fulbright New Century Scholar award

By Joan M. Sherwood

Gustavo Fischman, an associate professor with ASU's Mary Lou Fulton College of Education, is the recipient of a 2009-2010 Fulbright New Century Scholars award.

The award is presented by the J. William Fulbright Foreign Scholarship Board (FBS). Each year, about 30 outstanding scholars are selected from the United States and abroad to compete for a spot in the program.

"This is a unique Fulbright program that focuses on scholarly collaborations between U.S.-based scholars and scholars from countries all over the world," says Michele Moses, an associate professor of education policy and philosophy with the University of Colorado-Boulder, and also a 2007-2008 Fulbright New Century Scholar.

Moses says Fischman's selection to the prestigious program is a testament to his "record of fine research and international collaborations."

Fischman is a co-principal investigator in the research project titled "Strengthening the academic and scientific scholarly publishing capacity in Latin America" in collaboration with John Willinsky, Khosla Family Professor with the School of Education at Stanford University.

The program, which is affiliated with Stanford's Public Knowledge Project, uses an exploratory survey of more than 200 editors of academic journals and 40 librarians to establish

a baseline on the publishing practices and forms of use of open access models in Latin America.

"In being named a 2009 Fulbright New Century Scholar, not only is Gustavo Fischman's achievement to date being honored, this award enables him to further his path-breaking research into ways of advancing scholarly publishing across Latin America, with a focus on Brazil and the use of open-source publishing technologies, new forms of indexing, and the building of alliances and partnerships," Willinsky says. "This work is increasing the region's participation in the global circulation of knowledge, as well as providing local communities with open access to this research and scholarship."

During his Fulbright experience, Fischman will join fellow scholars in participating in a series of three plenary seminars and a Fulbright exchange visit.

"One of the highlights of the Fulbright New Century Scholars Program is its focus on supporting international discussions and collaborations among scholars," says Fischman, who holds dual appointments in educational leadership and policy studies, and curriculum and instruction, with the Fulton College. "This is a significant shift from the notion of exclusively rewarding and promoting a model of individual scientists, working alone to solve problems. Past fellows have developed very rich and innovative collaborative approaches to address extremely important educational and social issues. I believe in the relevance of com-

parative research projects and collaborative models of scholarly production."

Through his Fulbright project, titled "Expanding and Improving Digital Scholarly Publishing Initiatives in Brazil," Fischman says he hopes to make the knowledge produced in higher-education institutions, research centers, civil society organizations and nongovernmental organizations more equally and readily accessible to the general public.

"As a scholar who grew up in Argentina, and the only member of my entire family to graduate from college, I am convinced that access to education is only the first step in the long and complex process of achieving equal and sustainable educational opportunities for all people, and ultimately increasing the well-being of societies," Fischman says.

Fischman, who was born in Buenos Aires, earned a bachelor's degree in education from the University of Buenos Aires. He completed his doctorate in social sciences and comparative education at the University of California-Los Angeles. His doctoral dissertation won the 1998 Gail P. Kelly Outstanding Dissertation of the Year Award presented by the Comparative and International Education Society.

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Kosovo president returns to ASU to accept award

(Continued from page 1)

United States of America and the American people for the powerful support that they gave to the people of Kosova in its efforts for freedom and independence and its economic rebirth," he said.

Sejdiu received the leadership award from ASU's Office of the Vice President for Global Engagement for his work in enhancing international understanding through his professional endeavors.

"President Sejdiu has the distinction of leading this new nation on its exciting path," said Anthony "Bud" Rock, ASU vice president for global engagement. "He brings the experience of government, the wisdom, the objectivity, and the compassion associated with a career in the justice arena and a strong association with the generation that will most assuredly implement the visions he sets forth: the students with whom he continues to be engaged."

Sejdiu was a professor of law at the University of Prishtina when he spent a semester at ASU in 2003. He was among 17 participants from Kosovo who were part of an educational partnership administered by ASU's Melikian Center for Russian, Eurasian and East European Studies through a grant from the U.S. Department of State.

The visiting scholars attended classes in public administration and business management, and met with scholars from

across the university, and specifically from the School of Public Affairs in the College of Public Programs and the W. P. Carey School of Business to develop courses and teaching methods to bolster education programs at the University of Prishtina.

"If anyone ever wonders what we're doing at ASU, this is one of the things we're doing," says Alan Artibise, executive dean of the College of Liberal Arts and Sciences, home of the Melikian Center.

Artibise says that "one of our tenets [at ASU] is what we call 'impact,' that we as faculty and staff work for this university and that our work has to be relevant to the community in which we find ourselves."

He cites the Melikian Center and its work "with communities both here and abroad to bring people together in these perilous times."

Professor Stephen Batalden, director of the Melikian Center, framed the president's visit as a "festive homecoming celebration honoring one of ASU's own."

Sejdiu returned the compliment by reminiscing about his "many discussions with colleagues" at ASU, and he told a story from March 2003, when he, Batalden and another professor, were lunching at Restaurant Mexico in downtown Tempe "that now seems like a prophecy."

"Knowing that I was politically involved at the time and in the resistance processes

earlier on, Professor Batalden asked me: 'How many years will it take for Kosova to become independent?'

"Since the negotiations for the future of Kosova had not begun yet, I gave a vague answer, telling him that it would happen in a few years," Sejdiu said. "Professor Batalden lifted his arm, opened up his palm and stated that it would take five years."

"Well, my friends, he missed the date by one month."

Sejdiu also spoke of "the investment in knowledge and education" as a priority in Kosovo. He expressed his appreciation for the role that ASU has played in supporting the University of Prishtina, its academic staff, and the students from Kosovo who attend ASU.

Also speaking at the event were Arben Lasku, president of the Albanian-American Cultural Center, which co-sponsored the event with ASU's Melikian Center. Introducing Sejdiu was Vjollca Berisha, a member of the Kosovar-American community. ASU's Melikian Center has pioneered elementary and advanced Albanian language instruction in its Critical Languages Institute. The center is involved in several federally funded projects in Kosovo.

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ASU helps advise climate leaders

(Continued from page 1)

ply management, and outreach and public education.

The Listening Session at ASU centered on identifying the information needs of decision-makers in the Southwest as well as effective communication of climate change messages. Participants collaboratively recommended several key items for consideration, including an increased emphasis on observed climate changes, and how they relate to historical impacts and economic effects. This entails creating stronger ties between climate science and economic consequences to help meet the challenge of integrating probabilities of climate change into tangible risk management.

Participants encouraged extra outreach to elected officials at the local and state levels, and cited these decision-makers as having significant influence over policy and the climate change issues facing the state and region. They also collectively represent a group that would benefit from the latest news and research from the climate change community. Similarly, stakeholders at the Arizona session emphasized the need for local spatial scales and increased investment in regional and local expertise – versus federally funded labs – to help guide the effective, long-term ecological systems that sustain our quality of life.

"The Southwest has much to show the nation about climate information systems," says James Buizer, senior adviser to the president and director for strategic institutional advancement in ASU's Office of the President. "Co-convening such an important effort with our colleagues from the University of Arizona and Arizona Water Institute made this a regional effort and added tremendously to the success of the collaboration. Jointly, we were able to demonstrate to national climate leaders the close working relationships we have between university researchers and water decision-makers, and provide input that will help shape the climate change messages being delivered by the CCSP."

CCSP Listening Sessions began in October 2007. The discussion and inputs received at each session will be summarized and collected into a single document integrating the various inputs and recommendations received at each venue. These inputs will then be considered in the development of the organization's strategic "building blocks."

More information on the Listening Sessions and CCSP is available online at www.climatechange.asu.edu.

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Award recognizes value of university-based research

(Continued from page 1)

a large collaborative effort that crosses disciplines and continents to deepen understanding of the ideas and practices within Islam that counter extremist and exclusivist interpretations."

The total amount of the awards to the seven research universities is expected to be as much as \$50 million. The individual amounts are still to be determined.

The project is a collaborative effort that involves ASU faculty members from religious studies, communications, political science, mathematics, sociology and computer science disciplines, and across the globe, including Africa, Asia, Europe and North America.

"Everyone involved brings unique expertise and experience to the task at hand," Cady says. "Carolyn Forbes, assistant director at the center, has played an indispensable role in coordinating the proposal of this diverse and far-flung team."

The aim of the ASU project is to describe and track diverse strategies that Muslims in West Africa, western Europe and Southeast Asia use to counter the advance of what Woodward terms "Wahhabi colonialism."

"Many in the part of the world I study are becoming increasingly concerned by what they see as an attempt by Middle Eastern groups to use wealth and prestige to establish an exclusivist, puritanical understanding of Islam as the voice of Islam," Woodward says. "While this understanding of Islam is not inherently violent, it does, in some cases, provide theological cover for violent extremists."

Woodward, a cultural anthropologist, has studied Islam and politics in Southeast Asia and Indonesia for the past 30 years. He also has been involved with the Political Instability Task Force, which has worked to develop global forecasting models for the outbreak of religious and ethnic

violence and other forms of political instability.

In addition to Woodward, other ASU researchers involved in the grant include professor David Jacobson, a sociologist in the School of Government, Politics and Global Studies, who brings expertise in globalization and the transformation of political patterns; professor Steven Corman in the Hugh Downs School of Human Communication, who focuses on strategic communications, discourse analysis and organizational networks; associate professor Tom Taylor in the Department of Mathematics and Statistics; and assistant professor Hasan Davulcu and associate professor Arunabha Sen from the School of Computing and Informatics in ASU's Ira A. Fulton School of Engineering, who, with Taylor, investigate new approaches to data mining and computational modeling of cultural phenomenon.

Partner institutions include a team from the Institute for the Study of Islamic Thought in Africa at Northwestern University led by Islamic studies scholar and historian Muhammad Sani Umar, and a team from the Centre d'Études et de Recherches Internationales (CERI) at Sciences Po (France) led by sociologist Riva Kastoryano. Kumar Ramakrishna, with the S. Rajaratnam School of International Studies at Nanyang Technological University in Singapore, also is part of the team.

The Minerva award is an example of the economic benefit a research university such as ASU can bring to its state. Each year, Arizona's universities pump more than \$1 billion into the state's economy through their research activities, which are funded by the U.S. government and other entities. Research money brought in by universities is restricted money that can only be used for the research activity it supports. It cannot be used to compensate for cuts in other parts of the university's budget.

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Professor examines life of Virginia Piper with new biography

By Judith Smith

The names "Piper" and "Galvin" are familiar to anyone who walks across ASU's Tempe campus, or reads a listing of campus buildings: the Paul V. Galvin Playhouse; The Virginia G. Piper Center for Creative Writing; The Piper Writers House.

Who were Paul Galvin and Virginia Galvin Piper?

Of the two, Paul Galvin is, perhaps, the better known. He was the first to design radios for cars, and he founded Motorola, which had a large and looming presence in the Phoenix area in the 1950s through the 1970s.

Virginia Piper was Galvin's widow – and a woman who left her own mark on society as a philanthropist and inspiration to many.

Her story has been lovingly told in a new biography by Melissa Pritchard, ASU professor of creative writing, titled "Devotedly, Virginia: The Life of Virginia Galvin Piper."

Virginia was married to Paul for 14 years before he died, leaving her as a co-trustee of the Paul V. Galvin Charitable Trust.

She later married Kenneth M. Piper, a vice president of Motorola, and – after the Galvin Trust expired – established a trust in her own name. The Piper Charitable Trust, inaugurated 10 years ago, supports programs that support health care and medical research, children, older adults, arts and culture, education and religious organizations, and has

given \$240 million in grants to date.

Pritchard, an award-winning author who has had three novels and three collections of short stories published, was invited to write the book by the Piper Charitable Trust board. It was Pritchard's first biography.

"I primarily write novels and short stories, non-fiction essays and the occasional journalism piece," Pritchard said in an interview for a Piper newsletter. "The most surprising constraint I found myself working under after the research was done was being accountable for precise facts.

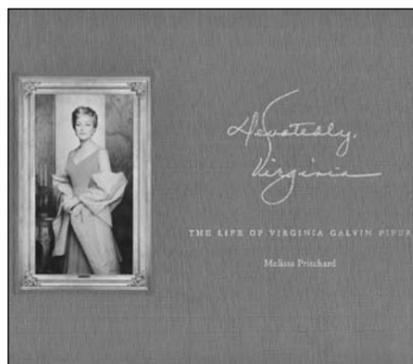
"In fiction, imagination reigns. One paradoxically works to make things up in order to get at emotional truths. With a biography, facts reign and suppositions and interpretations serve those facts.

"I knew this going into the project, but still, when I sat down to write the first pages, I was jarred by the imperative to hold to the known facts of Virginia Piper's life, that any imaginative elaboration on my part would have to be based on a foundation of biographic truths. It was nothing I was used to."

Pritchard spent three years on the project – the first doing research, the second writing, and the third editing and fact-checking.

She was given a list of more than 100 people who had known or worked with Virginia, who died in 1999 at the age of 87.

She interviewed most of them in person, and followed clues they gave her about where



ASU creative writing professor Melissa Pritchard has written a new biography titled "Devotedly, Virginia: The Life of Virginia Galvin Piper."

more information might be found.

Pritchard said family members, particularly Virginia's nephew Paul Critchfield, were helpful in providing photographs and other materials from their records.

During Pritchard's year of research, the "Cinderella story" of Virginia Galvin Piper began to emerge for her. It started with a chance meeting in a doctor's office: "When 49-year-old Paul V. Galvin walked into Dr. Greenwood's office in the Pittsfield Building on Wabash and Washington in Chicago in the fall of 1944, the medical receptionist who greeted him could never have guessed that this man would transform her future,"

Pritchard wrote.

"Nor could Paul have guessed the happiness Virginia would bring him after years of hard-won public success and a steady accumulation of personal sorrows." Not surprisingly, Pritchard formed a bond with Virginia as her research and writing began and continued.

Pritchard often is asked which of the stories about Virginia is her favorite. Pritchard has two.

"One is the story of Virginia Piper surprising her first husband, Paul Galvin, on Christmas Eve 1948," Pritchard noted in the Piper newsletter. "She had quietly undergone conversion to the Catholic faith without him knowing, and in church that night, her Christmas gift to him was to stand up and walk beside him to receive communion, whispering, 'Happy Christmas, darling.'"

"The second story concerns a young medical student Virginia took a CPR class from after her second husband, Ken Piper, died. The student instructor failed her in the course, yet they became friends, and she financed his years of medical school. In her final illness, Dr. Jim Dearing, her friend, was her attending physician. The young man she had believed in and helped through medical school was with her at the end."

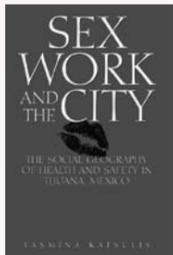
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In PRINT

In Print highlights books written by ASU employees. To submit a summary of a recently published work, send it via e-mail to asu.insight@asu.edu. A reproducible cover of the book may accompany the submission.

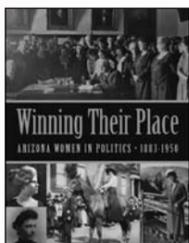
"Sex Work and the City: The Social Geography of Health and Safety in Tijuana, Mexico", by Professor Yasmina Katsulis, University of Texas Press, 2009.

Tijuana, a gateway at the U.S.-Mexico border, is a complex urban center with a sizeable population of sex workers. Based on 18 months of intensive fieldwork and nearly 400 interviews with sex workers, customers, city officials, police, local health providers and advocates, "Sex Work and the City" describes the arenas of power and the potential for disenfranchisement created by municipal laws designed to regulate the trade. By providing a detailed analysis of this subculture's significance within Tijuana and its implications for debates over legalization of "vice" elsewhere in the world, Katsulis draws on powerful narratives as workers describe the risks of their world, ranging from HIV/AIDS and rape (by police or customers) to depression, work-related stress, drug and alcohol addiction, and social stigma. Insightful and compelling, "Sex Work and the City" captures the lives (and deaths) of a population whose industry has broad implications for contemporary society at large.



"Winning Their Place: Arizona Women in Politics, 1883-1950," by professor of history Heidi J. Osselaer, with a foreword by former Gov. Janet Napolitano. University of Arizona Press, April 2009.

Arizona women enjoyed an unusual level of success in early state politics at a time when few women ran for office in other states. This book explains the conditions that existed in Arizona that allowed women to achieve political success in an era when most people believed women belonged in the home, not the Statehouse. It is the first full-length monograph to examine women as state office holders before the 1950s, and uses archival and newspaper sources to create a collective biography of the important women in Arizona's political history, including Frances Willard Munds, Josephine Brawley Hughes, Pauline O'Neill, Sharlot Hall, Isabella Greenway, Ana Frohmler, Grace Forbes Alexander, Margaret Adams Rockwell, Polly Rosenbaum, Nellie Trent Bush and many more. Their personal experiences, growing up under harsh conditions, living in tents or log cabins, hauling water or navigating rivers, prepared them for the rough world of male politics. Although they faced many obstacles, these female politicians also broke through barriers to allow the women who followed them, such as



Sandra Day O'Connor and Janet Napolitano, to reach unprecedented heights.

"Starving for Affection: A Journey of Eating Disorders, Drugs, and Sex," by professor of behavioral sciences Nancy Bausch, 2009.

This book is based on a true story. Using a first-person narrative, it covers the period from a young girl's adolescence to her early 20s. It is a vivid retelling of how she dealt with being a fat girl in a society that celebrated thinness. Bulimia and amphetamines were her solution for more than 15 years. They and the sexual scenes are graphically described, and include the causes and effects of the addictions. Her secret has cost her years of her life. Her personal story is a cautionary tale for girls who will do anything to fit in, to be accepted, to be included in today's world of slender bodies.



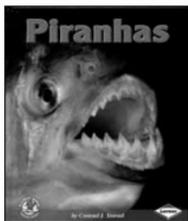
"The Coding Manual for Qualitative Researchers," by professor of theater Johnny Saldaña, Sage Publications, 2009.

This manual provides an in-depth guide to 29 different approaches available for coding qualitative data, ranging in complexity from fundamental to advanced level and covering the full range of types of qualitative data from interview transcripts to field notes. For each approach profiled, Saldaña discusses the method's origins in the professional literature, a description of the method, recommendations for practical applications, a clearly illustrated example, and data analytic follow-up. Also included in the book is an introduction to how codes and coding initiate qualitative data analysis, their applications with qualitative data analysis software, the writing of supplemental analytic memos, and recommendations for how to best use the manual for particular studies.



"Piranhas," by Director of Research Publications Conrad Storad, Lerner Publishing Group, 2009.

The rivers and lakes of the Amazon Basin are filled with sharp-toothed creatures of many kinds. Piranhas are the fish of bloody tales and legend. Most of their notoriety is just that: legend. "Piranhas" is a new book by Storad, director of ASU's Office of Research Publications. His easy-to-read text serves up plenty of facts and less fiction. The book is filled with interesting color photos as well. "Piranhas" is published by the Lerner Publishing Group of Minneapolis. It is Storad's ninth title in their award-winning Early



Bird Nature Book series for readers in grades 2-4.

"Wee's Moving Day," by research advancement administrator Marjorie Townsend, Outskirts Press, 2008.

"Wee's Moving Day" tells the tale of Wee, a Yorkshire terrier, whose family is moving across the county to a new house. It chronicles the move from a dog's point of view, and the reader feels Wee's emotion as she journeys with her mom. Children have fallen in love with the cute little Wee and love her adventure. Who hasn't had to deal with an emotional move? This is the first of the Wee series.



"The Worm in My Tomato," by professor emeritus Santos Vega, 2009.

This is a novel inspired by the experiences of the author's family during the Great Depression in 1932. At the time, more than half a million Mexican workers and Mexican-American families were repatriated to Mexico.

Vega's mother and siblings were U.S. citizens, but his father was a Mexican national who had worked in the United States for 38 years. Vega was just 6 months old when his family was deported from the United States.

The family stayed together, and overcame many obstacles and ordeals caused by poverty and Mexican government policies before they returned to their hometown of Miami, Ariz., in 1937.



"Information and Communication Technologies in Nigeria: Prospects and Challenges for Development," by professor of political science Patience Akpan-Obong, Peter Lang New York, 2009.

In recent years, information and communication technologies (ICTs) have been linked with socioeconomic development with the assumption that they can be harnessed for economic growth in developing countries and facilitate integration into the global information society. However, very few studies in the ICT-for-development field examine the direct connections between ICTs and socioeconomic growth. This book examines ICT policy framework and the societal context in which application of the technologies emerged and highlights the potentials of ICTs in socioeconomic development. The book also demonstrates, through interviews and case studies, that ICTs are not the panacea to underdevelopment; constraining factors in different countries can limit their capacity to succeed. The author employs a rare multidisciplinary approach that makes the book appealing and accessible to a diverse range of readers.