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## Angaza Awards

Two ASU faculty and staff members will be honored May 9 and May 10 as winners of inaugural Angaza Awards by BlackPoet Ventures.

The ASU honorees are Rhoshawndra Carnes, student affairs adviser, and Jewell Parker Rhodes, director of global development for the Virginia C. Piper Center for Creative Writing.

Carnes and Rhodes are among 14 winners of Angaza Awards, selected for "their extraordinary example of the power of womanhood."

"Angaza" in Swahili means "be light" or "give light."

The women will be honored at 7 p.m., May 9 and May 10, before the 8 p.m. productions of "For Colored Girls Who Have Considered Suicide/When the Rainbow is Enuf" at ASU Kerr Cultural Center in Scottsdale.

For ticket information, call (602) 914-7301 or visit the Web site [www.blackpoetventures.com](http://www.blackpoetventures.com).

## Dialogue on issues

Project Civil Discourse, a statewide effort to create respectful dialogue on public issues, will have a kick-off event at 5:30 p.m., May 14, at the Virginia G. Piper Auditorium, 550 E. Van Buren St., in downtown Phoenix.

Guest speaker Mike McCurry, former press secretary to President Bill Clinton, will discuss causes and solutions to the current state of political discourse in the media.

Project Civil Discourse is a partnership among statewide organizations including ASU's College of Public Programs, Center for Civic Education and Leadership, and College of Law. This special initiative of the Arizona Humanities Council provides opportunities for the public to participate in trainings, forums and special events throughout the year that provide insight on collaborative problem-solving skills. The program's goal is to widely share proven skills that can improve discussion about important issues.

The presentation will begin at 6:30 p.m. following a reception. Free parking for the event is located off Seventh Street. To register, call 602-257-0335. For information, visit the Web site [www.azhumanities.org/pcd1](http://www.azhumanities.org/pcd1).

## Insight schedule

With the end of the spring semester, *ASU Insight* will follow a reduced publishing schedule for the summer. The planned dates for *Insight* to be published during the summer include May 30, June 13, June 27, July 11, July 25, Aug. 8 and Aug. 22. Additional issues may be published as events warrant.

The Aug. 22 issue marks the return to a weekly publishing schedule for the paper.

## 4 faculty members earn Regents' Professor status

By Britt Engle

ASU President Michael Crow and the university's executive vice president and provost, Elizabeth D. Capaldi, have announced four new ASU Regents' Professors for 2008. The selection was ratified April 25 by the Arizona Board of Regents.

This year's honorees are:

- Stuart Lindsay, Edward and Nadine Carson Presidential Chair in Physics, and professor of chemistry.

- James Ohlson, W. P. Carey Chair of Accountancy.



Stuart Lindsay



James Ohlson



Otto Sankey



Elly van Gelderen

- Otto Sankey, professor of physics.

- Elly van Gelderen, professor of English.

The title "Regents' Professor" is the highest faculty honor awarded

at ASU. It is conferred on ASU faculty members who have made pioneering contributions in their areas of expertise, who have achieved a sustained level of distinction, and who enjoy national

and international recognition for these accomplishments.

"In making this award to these four outstanding researchers, it reminds us of the remarkable research that is conducted daily throughout this university," Capaldi says. "The individuals chosen this year are at the top of their professions in the sciences, the humanities and business, indicative of the breadth of accomplishments occurring at ASU. We are proud to recognize the achievements of such distinguished scholars."

(See 4 FACULTY on page 11)

## Global Institute of Sustainability puts university on 'green' path

By Nicholas Gerbis

The new home of the Global Institute of Sustainability is one of the most eco-friendly buildings on ASU's Tempe campus. Equally important, it is also a pleasant environment.

"Our associated faculty members, staff and students are delighted with their new work spaces and the opportunities for collaboration around the building," says Jonathan Fink, director of GIOS and ASU's sustainability officer.

One of the first things visitors notice when they enter the GIOS building is the abundant use of sunlight. Natural light is everywhere, suffusing through skylights, beaming in through exterior windows and spreading into interior windows. Low-wattage lamps, monitored by motion and light sensors, supplement natural light where needed, helping to ensure that as little energy as possible is wasted. Window shades are manually controlled for the same reason.

Light reflects off Formica-like countertops made from recycled milk jugs or inlaid with shavings from recycled aluminum cans. It falls on puzzle-pieced carpeting, composed of 40 percent recycled material that can be replaced, square by square, as it wears out. The paint – low in volatile organic compounds, just like the carpet – even lacks that headache-inducing "new paint smell."

Gone are the cavernous hallways of the structure's earlier incarnation as the home to the College of Nursing and Healthcare Innovation, replaced by windowed facades, metal-trellised breezeways and brightly painted halls. The trellises, designed by graduate students at the College



TOM STORY PHOTO

ASU's Global Institute of Sustainability will soon move into its new facility. The grand opening of the building is set for May 14.

of Design, eventually will be covered with vines, providing natural shade and cooling.

Offices and conference rooms are appointed with the most eco-friendly furniture available though ASU's supplier. Chairs are modular and are made of 95 percent recyclable materials. Even the nameplate holders that line office hallways are made of reusable steel and recyclable aluminum, decorated with sustainability slogans.

Filtered water fountains and water coolers are provided where possible to conserve water and

(See GLOBAL on page 11)

## 2 faculty earn Centennial Professorships

By Sarah Auffret

In recognition of excellent teaching and community service, Associated Students of ASU has given the 2008-2009 Centennial Professorship Award to two of their most respected professors, Guy Cardineau of the School of Life Sciences and Kimberly Scott of the Division of Educational Leadership and Policy Studies.

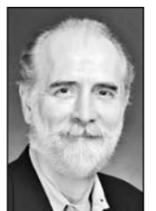
The two were honored at a reception and dinner April 30. Each received a cash prize of \$5,000, plus a stipend of \$5,000 to be used for the benefit of students and classroom teaching. They will be asked to give a public lecture during the next school year.

"Competition this year was extremely stiff, with 32 nominations and 16 complete applications, but professor Cardineau and professor Scott stood out among the rest," says Qiawen Wu, director of the Centennial Professorship search committee. "Their dedication to students was apparent. We would like to commend them on the excellent work they do both in and out of the classroom."

A committee made up of six graduate and six undergraduate students evaluated the nominees based on teaching contributions, involvement in community service and the impact of intended uses of the award.

Students say Cardineau renders the difficult concepts in microbiology and biotechnology accessible and comprehensible, making sure students understand before moving ahead. He also

(See CENTENNIAL on page 11)



Guy Cardineau



Kimberly Scott

## Earth's interior attracts ASU attention

By Nikki Staab

A new model of inner Earth constructed by ASU researchers pulls previous information and hypotheses into a coherent story to clarify mantle motion.

"The past maybe two or three years, there have been a lot of papers in *Science* and *Nature* about the deep mantle from seismologists and mineral physicists, and it's getting really confusing because there are contradictions amongst the different papers," says seismologist Ed Garnero, an associate professor in ASU's School of Earth and Space Exploration. "But we've discovered that there is a single framework that is compatible with all these different findings."

Garnero partnered with geodynamicist and assistant professor Allen McNamara, also in ASU's School of Earth and Space Exploration, to synthesize the information for their paper published

in the May 2 issue of *Science*.

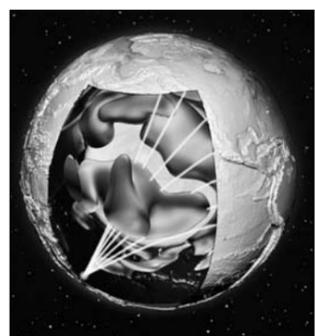
"Our goal was to bring the latest seismological and dynamical results together to put some constraints on the different hypotheses we have for the mantle," McNamara says. "If you Google 'mantle,' you'll see 20 different versions of what people are teaching."

According to the ASU scientists, all this recent research of the past few years fits into a single story. But what is that story? Is it a complicated and exceedingly idiosyncratic story, or is it a straightforward, simple framework?"

Adds Garnero: "In my opinion, it's simple. It doesn't really appeal to anything new; it just shows how all those things can fit together."

Both describe a chemically complex inner earth – a model that sharply contrasts the heavily relied-upon

(See GARNERO on page 11)



A new model of inner Earth constructed by ASU researchers Ed Garnero and Allen McNamara is featured in their paper that was published in the May 2 issue of the journal *Science*.

## Middleton accepts appointment to lead vision for STEM instruction

By Sharon Keeler

ASU is creating and executing a new vision for science, technology, engineering and mathematics (STEM) education in Arizona, and James Middleton, a professor of mathematics education, curriculum and instruction, will lead the charge.

Middleton, a member of the ASU faculty for 14 years, has been appointed associate senior vice provost for STEM education improvement. He will work with George Hynd, senior vice provost for education and innovation and dean of the Mary Lou Fulton College of Education, on creating new directions for STEM education across the university.

Middleton most recently was director of the Division of Curriculum and Instruction. He was responsible for leading about 100 faculty members in a department that is ranked No. 14 nationally and fourth nationally in research productivity.

"Dr. Middleton is exactly the right person to lead this ASU effort as he recognizes the critical economic and social importance of attracting more highly qualified students into the science, technology, engineering and mathematics disciplines," Hynd says. "As an internationally recognized mathematics educator who has a reputation for attracting external funding to study best educational practices, he understands the critical importance of educat-

ing students in the P-12 arena so that they maintain their natural curiosities in science and mathematics."

"Together with our teacher education colleagues at the West and Poly campuses, Dr. Middleton will work to bring together the intellectual resources in teacher education across ASU to increase the number of highly qualified teachers in mathematics and science education," says Elizabeth D. Capaldi, ASU's executive vice president and provost. "Our goal is a universitywide vision that fosters new directions in STEM education in ways that benefit the university and the larger public community."



James Middleton

In the short term, Middleton will be meeting with faculty groups to learn about existing projects and explore new opportunities to design and deploy STEM teacher education programs.

Middleton's office also will lead the university's long-range planning regarding funding and research opportunities in STEM education, and it will support faculty in the procurement of external funding.

"ASU is a unique place in this country," he says. "Nearly everywhere you look, you find renowned faculty engaged

in trying to improve our P-20 learning, instruction and public awareness of STEM principles and new scientific discoveries. I want my office to be a venue for faculty to dream up solutions to the problems of STEM education, and to invent new possibilities for innovation in teaching, learning and technology.

"We will be a system of support ready to plug them into partnerships. We will offer seed funding to pilot new ideas and will provide an infrastructure so that faculty can offload some of the burden of administration and get to what makes them happy: doing the intellectual and creative work of STEM improvement."

In addition to working internally, Middleton will lead efforts to coordinate STEM outreach and community engagement in collaboration with research and academic units, and he will work with the ASU Foundation to build private investment.

"ASU was a great place when I came here as an assistant professor, and it has gotten better each and every year," Middleton says. "There is no other place that gives such license to take risks for the sake of innovation. We are designing my office to embody this sense of collegiality and commitment to creativity and impact."

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### Greenland named to commission for commuter students

By Susan Walker

Amy Golden Greenland, director of ASU's Off-Campus & Commuter Student Services (OCCSS) on the Tempe campus, has been appointed as a member of the Directorate of the Commission for Commuter Students and Adult Learners for the American College Personnel Association.



Amy Golden Greenland

Golden Greenland received the three-year commission at the association's annual convention in March.

For two years, Golden Greenland has directed the flagship programs of the OCCSS, which assists incoming first-year students with the transition to college life.

OCCSS offers additional programs, including Community Outreach and Partnerships, Off-Campus Housing Resources and Services, Adult Re-Entry Support Services and ASU Family Resources.

Walker, with Residential Life Operations, can be reached via e-mail at susan.walker@asu.edu.

## New Lincoln ethics fellows tackle complex issues

By Chakris Kussalanant

The Lincoln Center for Applied Ethics, and the School of Applied Arts and Sciences at ASU's Polytechnic campus, have selected the first cohort of Lincoln PolyTech Teaching Fellows.

Each of the six professors is charged with advancing the ethics curriculum of the university in their respective fields of teaching and research.

The project is part of a two-year program to redesign and build a campus ethics curriculum. Twelve professors will be selected to spearhead the effort, which is funded by a \$52,000 grant from the Lincoln Center, and \$16,000 from the School of Applied Arts and Sciences.

The ultimate goal of the program is to encourage students to incorporate ethical considerations into their decision-making – but, more importantly, to produce graduates that meet ethical standards in any industry.

The project is directed by Joseph Herkert, Lincoln Associate Professor of Ethics and Technology.

This year's cohort includes professors Heather Canary, humanities and arts; Robert Grondin, engineering; Mary Jane Parmentier, social and behavioral sciences; Judith Schultz, humanities and arts; Jeffrey Thomas, technology management; and Christopher Wharton, nutrition.

While some of these scholars are working in areas where there is a broad understanding for the need to have ethical concerns, some are developing new criteria for curriculum design and courses in ways that challenge traditional views of certain fields.

Wharton, an assistant professor in the nutrition department, is developing a graduate seminar on food systems, sustainability and the American diet that includes ethical evaluations.

"People often don't think about the various ethical and social justice issues inherent in the sort of food chain we depend on these days," Wharton says. "As such, I plan to address issues of animal welfare, industrial agriculture and the environment, land use and labor practices, and nutrition education and nutrition science, including issues of industry funding of such research."

For Wharton, food quickly is becoming a social justice issue around the world. He hopes that students attending his classes will leave with an understanding that what they eat has an impact in a long, industrialized chain of mass food production.

Canary, a communication assistant professor, is hoping to integrate ethical modules in two of her courses, which focus on leader-

ship communication and small-group communication.

"For the leadership course, my goal is to be more systematic and comprehensive in covering the current ethics units so that students have the opportunity to deeply engage with ethical issues of leadership and their own principles with which they make choices in everyday life and as future leaders," Canary says.

Canary is hoping to create a dedicated module for both courses covering ethical issues. The module would be developed using the Konstanz Method of Dilemma Discussion, which is a systematic method of introducing ethical dilemmas, engaging students in small group dialogues about potential courses of action, and then debriefing in a large group format about issues, processes and outcomes of choices made.

Parmentier, a lecturer in the Department of Social and Behavioral Sciences, will be revising three courses in technology and international politics. She wants to integrate applied ethics with various international issues, including unequal access of countries and regions to science and technology; nuclear capabilities and proliferation; asymmetrical warfare; and technology, state repression and human rights.

"I would hope that the inclusion of applied ethics would heighten students' awareness of global issues from a point of view that is outside their country of origin," Parmentier says.

Schultz, an associate faculty of history, is hoping to incorporate an applied ethics component to her environmental history courses. However, unlike what most may think, she wants to focus on using ethics as a starting point to make judicious decisions in the face of many stakeholders in environmental challenges.

"Students often come into my class thinking that they will learn about 'being green,' or expect to watch 'An Inconvenient Truth' and focus only on global warming," she says. "But this class is not a class designed to try to get students to be environmental activists, but instead to be environmental thinkers and participants."

Schultz wants to break away from traditional paradigms of right and wrong – or for and against – in environmental discussions, and instead look at issues with a multidisciplinary eye, taking into account all affected by certain actions. She also is aiming her efforts and research on historic preservation, cultural identity and urban history in San Diego.

All fellows will begin implementing their ethics curriculums and modules this coming fall semester.

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## Regents' Professor Candelaria accepts SMU post

By Adriana Elektra Sanchez

ASU is saying goodbye to Regents' Professor Cordelia Candelaria, who is leaving to assume the position of dean of Dedman College of Humanities and Sciences at Southern Methodist University in Dallas.

Candelaria has been a member of the ASU community for more than 15 years. She is a Regents' Professor in the Department of English and the Department of Transborder Chicana/o and Latina/o Studies, a department she helped establish and chaired from 2000 to 2005.

She also serves as associate dean of the Office of Strategic Initiatives in the College of Liberal Arts and Sciences at ASU.

"I'm excited by this new challenge, and also at the prospect of returning to a smaller institution like those I attended: the University of Notre Dame and Fort Lewis College," Candelaria says. "I hope to take the best approaches and innovations from our work in public universities and combine them with the finest practices of respected private institutions. The potential is powerful."

As founding associate dean for the office of strategic initiatives at ASU, Candelaria focused on enhancing excellence in the College of Liberal Arts and Sciences by achieving measurable outcomes of diversity in faculty hiring, and by advancing interdisciplinary academic programs.

Previously, as vice provost for academic affairs at the Downtown Phoenix campus, she assisted with the preparations needed to open the full-

service campus in the city's urban center. She appointed talented directors to head the Downtown Phoenix campus' integrated information commons, a facility offering library services, electronic and digital resources, and access to global information systems to all ASU students and other downtown patrons.

"It has been inspirational to watch Dr. Cordelia Candelaria work as a researcher, mentor, administrator and poet," says Manuel de Jesus Hernandez, a professor of Spanish and Chicano literature at ASU. "Dr. Candelaria is deeply committed to her work, and I have seen multiple examples of her success as a professor by observing the work of the students she has mentored."

Regents' Professor Alberto Rios agrees, saying that Candelaria "made things make sense, and she could contextualize and embrace the range of thought on all issues."

Candelaria, who initiated her career in higher education in the 1970s, lights up every time she talks about her students and their achievements.

"As a teacher, I encourage students to have a strong, focused commitment to achieve their goals," she says. "At the same time, I emphasize that it's equally important to have a noble purpose larger than oneself and then to apply that purpose to making a positive difference in the world."

She also expresses a deep appreciation for her colleagues and the impact they had in her life.

"I'll miss my ASU familia greatly, and I wish the university and Arizona continued success," she says.

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Cordelia Candelaria

## ASU Insight

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## ABC News launches new partnership with ASU's Cronkite School

ABC News has announced the launch of ABC News on Campus, a partnership with ASU and four other top journalism schools across the country to educate and mentor talented college students.

The network's news division will create five on-campus multimedia bureaus that will open in September. The bureaus will provide an opportunity for students to report on stories in their region and produce a wide array of content for ABC News' various digital and broadcast platforms, including "Good Morning America," "World News with Charles Gibson," "Nightline," "ABC News NOW," ABC-NEWS.com, mtvU, ABC News Radio and NewsOne.

In addition to ASU's Walter Cronkite School of Journalism and Mass Communication, the other partner schools are Syracuse University's S.I. Newhouse School of Public Communications; the University of Florida's College of Journalism and Communications; the University of North Carolina's School of Journalism and Mass Communication; and the College of Communication at the University of Texas.

Whether students are responding to breaking news or creating original content, the ABC News on Campus initiative will provide unique insight into what America's 33 million 18- to 25-year-olds are thinking. Student participants primarily will consist of upper-class undergraduate and graduate students who are selected by ABC News and the respective colleges.

John Green, ABC News' executive producer of special programming and development, will supervise and manage the program with Sandy Sidey, director of executive projects, and a team at ABC News headquarters in New York. Each bureau will receive extensive training, including on-site mentoring with the student bureau chiefs and faculty liaisons at ABC News headquarters twice yearly. Representatives from ABC News also will travel to all five campuses for ABC News information sessions.

The ABC program at the Cronkite School will be based at the school's new six-story, \$71 million complex in downtown Phoenix. The building will open in August.

"We're thrilled to be working with ABC News on this exciting and innovative program," says Christopher Callahan, dean of the Cronkite School. "The ABC News program is truly a win-win proposition."

## ASU tests pandemic flu plans with help from Decision Theater

Twelve sets of eyes darted across the dark room, waiting for one of the seven floor-to-ceiling video screens to light up. Seconds later, the center screen illuminated, revealing a newscast on the latest developments of the avian flu.

Except the news broadcast wasn't real. It was part of a tabletop exercise full of hypothetical situations intended to test ASU's response plan in the event of an epidemic spread of disease.

In this case, the lifelike scenarios addressed the latest strand of the avian flu virus – H5N1 – to which humans are not immune, and there is no known antiviral medicine to cure it. At the close of the exercise, ASU's implementation had prevented the theoretical deaths of 70 students.

The world's top medical experts agree that the globe is on the brink of the next pandemic. The World Health Organization is encouraging all government municipalities to build a plan in response to the inevitable. ASU answered the call and starting writing a plan in 2006.

Two years later, the committee created what is known to be the only tabletop exercise of its kind in the nation, says Allan Markus, ASU's director of campus health services and co-chair of the pandemic flu committee. The exercise, which took place April 10 in ASU's Decision Theater, involved the university's pandemic flu planning committee and several senior administrators, including ASU President Michael Crow and the university's executive vice president and provost, Elizabeth D. Capaldi.

"To our knowledge, this is the first time in the nation that any university has used the power of ASU's Decision Theater computer mathematical modeling capabilities to test a pandemic response plan," Markus says.

Mary Tyszkiewicz, a senior analyst at the Homeland Security Institute, a think tank that supports the U.S. Department of Homeland Security, seconded Markus' observation. She believes this is the only exercise of its kind conducted by any government organization.

Tyszkiewicz traveled from Washington, D.C. to observe the event and report back to Homeland Security.

While most test exercises involve decision-makers seated around a conference table who are verbally given likely scenarios to discuss, this exercise was highly technical, involving artificial newscasts, electronic maps, charts, graphs and up-to-the-minute data compilation. Often the data was inadequate – but that was part of the design, since decision-makers often have to manage situations with little to no data available at the time.

"The frustration of waiting for data and then receiving incomplete data is all part of the 'fog of war' in exercises like this," Tyszkiewicz says.

The exercise setting was the Decision Theater, a \$6.9 million facility that is part of the Global Institute of Sustainability at the Tempe campus. Policymakers, community planners and business

*"We wanted to see how key personnel would absorb large amounts of information, connect the dots and make tough decisions given certain constraints."*

*– Tim Lant, director of the Decision Theater*

leaders use the Decision Theater's visualization, simulation and collaborative decision-making tools to aid in solving issues. It is the only non-military facility of its kind in the country.

"We wanted to see how key personnel would absorb large amounts of information, connect the dots and make tough decisions given certain constraints," says Tim Lant, director of the Decision Theater who created the mathematical model for the exercise. "A situation like a pandemic flu requires several constituencies to collaborate well and communicate fast. There were many lessons learned during the exercise."

Nearly 30 ASU personnel participated in one of three groups: executive policy group, emergency operations center and incident command. These same groups would convene during an emergency, and this exercise allowed the groups to practice communications with each other.

The exercise also was an opportunity to learn and make adjustments to the university's response plan to ensure the best decisions are made during a real situation.

An observation group also joined the exercise to evaluate the three groups in handling the multiple scenarios. The exercise's scenario instructors were Charles Schable, former director of the Center for Disease Control's bioterrorism emergency planning group, and Peter Kelly from the Arizona Department of Health Services.

"The participation of faculty, staff and administration, from the president of ASU to those in charge of delivering medical care, enabled us to really test our plan," Markus says. "It also showed that, with proper preparation and a knowledgeable, collaborative group, a university can successfully respond and react to save lives during a pandemic."

The ASU pandemic flu planning committee is co-chaired by Markus and Leon Igras, director of Environmental Health & Safety.

For more information on prevention, preparedness and response to pandemic flu, visit the Web site [www.asu.edu/emergency](http://www.asu.edu/emergency).

## 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.*

The National Institutes of Health wants to assemble a major database to track how people's genes, lifestyle and environmental factors can lead to chronic diseases such as heart disease or diabetes. "It is a really important and useful effort," says **Gary Marchant**, executive director of ASU's Center for the Study of Law Science and Technology. "This is a way to get better, more robust data." *Arizona Republic*, April 4.

Most children stray from cartoon characters before they get to middle school but some high school students are drawn back to the cartoon characters of their youth, buying cartoon backpacks for school. "It may seem childish, but technically they're still kids," says **Kathleen Waldron**, a professor in ASU's College of Human Services. "And at a time in their lives when their academic studies have gotten more serious and the pressures more stressful, there's nothing wrong with whimsy. It's a chance to relive some of their carefree youth before they have to tackle algebraic equations and write essays on Tolstoy." *Arizona Republic*, April 7.

In recent months, policy-makers have suggested scrapping a system that gives permanent resident status primarily to immigrants with close relatives in the United States in favor of a system that awards points to foreigners who speak English, are educated and have certain job skills. **Carlos Vélez-Ibáñez**, an ASU anthropology professor, says that the United States already has a de facto point system because employers can sponsor people with certain skills that are in demand. However, "we should have a rationalized way for people to cross the border to see family and work occasionally," he says. *Yuma Sun*, April 14.

Experts say racism alone is not enough to account for the massive anti-illegal-immigrant sentiment throughout the country. ASU civil rights professor **Raul Yzaguirre** says for that to occur, large numbers of people need to be personally affected. He points to the transformation of neighborhoods overwhelmed by immigrant Hispanics. At first, he says, small changes – such as businesses moving in and putting up signs in Spanish – are not seen as threatening. "But there comes a tipping point when the feeling about those changes turns into fear," Yzaguirre says. *East Valley Tribune*, May 4.

Researchers have found a molecular mechanism that may explain how migratory birds use Earth's magnetic field to orient themselves during seasonal journeys. They identified a molecule that reacts to very weak magnetic fields, proving the plausibility of the method of avian navigation. **Devens Gust**, a chemistry professor at ASU, says the molecules "seem to have the right structural and chemical features to allow them to show this effect." *Washington Post*, May 5.

## ASU's Eco-Fresh Café emphasizes healthy practices

By Sarah Auffret

Sustainability will be part of the dining experience at the new Eco-Fresh Café in the ASU Memorial Union next fall.

Locally grown food, organic produce and fair-trade coffee will be on the menu, along with cage-free eggs and chicken, free-range beef and sustainable seafood.

Chef Jim Jorgenson will use herbs, citrus and dates harvested on the ASU campuses, and will train his staff to educate diners about what they're eating. It's another move toward environmental stewardship and education that makes perfect sense at ASU, the first university in the nation with a School of Sustainability.

Jorgenson is director of culinary excellence at ARAMARK, which provides dining and retail food services at ASU. The company is working in partnership with ASU's Department of Nutrition, and the Morrison School of Management and Agribusiness, on food choices, and with the Global Institute of Sustainability on a waste-stream management effort.

The Eco-Fresh Café and its adjacent Starlight Terrace will take up the space formerly occupied by the Maricopa Café on the MU second floor. Diners can expect American favorites in the form of salads, sandwiches, soups, appetizers and entrees, in addition to vegetarian items and Southwestern regional cuisine.

"There is a focus on healthier eating based on seasonal fresh fruits and vegetables, vegan and vegetarian options and local meats and dairy," Jorgenson says. "Our first priority is local food, grown within a 150-mile radius of Phoenix, as much as possible.

"Eco-Fresh Café is as much about the experience of dining as the food itself. It is designed as an educational food experience surrounding sustainability and environmental stewardship, with a focus on what we are making, the ingredients used and how it is prepared."

Customers will order their food from a daily menu of seasonal specialties, and can watch the chefs prepare their food if they desire. Servers will bring their meals to the table. In addition to tables seating two to four or more, there is a "community table," where diners can join others for communal eating and discussion.

The new layout also will include a center island where customers can dine and watch meals prepared in a hearth oven. There will be seating for 200 indoors, with up to 150 seats outside on a patio which may include moveable shade panels.

The restaurant also features environmentally responsible construction practices using renewable resources and energy efficient appliances where possible. Natural fibers, recycled concrete and cork flooring will be used.

The facility will open in time for the fall semester, and will be open for breakfast, lunch and dinner.

ARAMARK has new programs and initiatives focused on ecology, conservation and environmental stewardship at many of the more than 600 colleges and universities it serves. The company recently announced a partnership with Monterey Bay Aquarium's Seafood Watch program, to guide its practices of supply, purchase and consumption of sustainable seafood.

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## Phoenix elementary students win ASU podcast contest

By Margaret Coulombe

ASU doctoral student Rebecca Clark bends the neck of a flexible lamp to illuminate a wide plain of dirt captured between two panes of glass, while three Phoenix elementary students peer closely to see that the soil has been organized into a branching array of chambers by some very busy leaf-cutter ants.

Around the four, on every available surface, are experimental setups containing colonies of leaf-cutters and sap-sippers, as well as big-headed ants and night ants. Of special interest: predatory, jumping ants from India.

"Excellent," Taylor bursts out, then the barrage of questions from the trio of young students start: "Are all ants female? Is that a garbage dump? What is that fuzzy stuff?"

"This is so much fun," Clark says. "I love the questions."

The inquisitors are third-graders Taylor Cheatham and Itzany Mendez, and fifth-grader Brian Varela from Paul Laurence Dunbar Elementary School.

That these students are curious and articulate comes as no surprise to the accompanying adults, their parents, teachers, ASU graduate students and the host of this excursion, Charles Kazilek. The three are the winners of the first "Ask a Biologist" podcast contest, and they were chosen based on their vocal skills, curiosity, and creativity by the panel of judges.

Questions are, in fact, the lifeblood of Kazilek. As director of technology integration and outreach in the ASU School of Life Sciences, he created "Ask-a-Biologist," the innovative K-12 children's science education Web site, specifically to provide answers to the puzzled, perplexed and just plain curious. The portal for fun and facts receives more than 200 questions a month, and 500,000 unique visitors a year. Its host, "Dr. Biology," a Web persona created by Kazilek, has interpreted more than 20,000 queries in the last 10 years – and has only been stumped a dozen times.

"I like to say that Dr. Biology is the smartest person I know," Kazilek says.

Dr. Biology's formidable intellect is backed by a pool of more than "100 mostly willing volunteers" from ASU's School of Life Sciences in the College of Liberal Arts and Sciences. With more than 350 faculty and graduate students to call upon, there is no lack of experts to help K-12 students fathom the most ancient and most technologically sophisticated changes in the world.

The Web site took a technological and creative leap of its own in 2007, launching a podcast program, and creating a home base – Grass Roots Studio – where Kazilek and his colleagues record. Twice monthly, children, adults, home-schoolers and teachers can download the sounds of the Tibetan plateau, or drop into a conversation with a Pulitzer Prize-winning ant adventurer.

However, according to Kazilek, one voice was missing: the children themselves. That led to the podcast contest, and the search for child co-hosts was born.

"This is such a wonderful opportunity – and a day of learning and lessons – for us all," says Helen Rentz, a third-grade teacher at Paul Laurence Dunbar Elementary



A trio of K-12 podcasters studies ASU's ant lab with doctoral student Rebecca Clark, right.

School. "The children have never had anything like this available to them before. They were very motivated to research, to interview, to podcast, and it's the first trip for them and their families to ASU."

"This has definitely made an impact," adds Joan Howell, teacher with the Accelerated Learning Procedures (ALPS) program in Phoenix in which all three students participate.

To become a podcast co-host, each student did a podcast interview and submitted a CD, much like a podcast version of "American Idol," with support from their teachers. As winners – and as Kazilek's co-hosts – they recorded a professional-quality podcast that is broadcast internationally. In addition to meeting and interviewing scientists, the children (and their teachers) get a day off from school – and the chance to pick up some hands-on science techniques. They also receive one of the tools of their trade: an Apple iPod shuffle.

Cheatham, Mendez and Varela are the first three of 12 students who will be featured on Ask-a-Biologist each year.

"When do we get to see the feathers?" Brian asks.

One of the scientists to be interviewed is Kevin McGraw, a researcher who studies bird feather coloration and behavior. He has feathers to hand out and questions of his own for the children, such as: "What's the world's longest feather?" (The answer: 5 feet, 7 inches. It belongs

to a crested Argus pheasant) and "Who has the most feathers?"

Varela flips over a golden pheasant skin and passes it to Taylor, whose eyes open wide.

McGraw knows what makes children tick. He talks about genetically engineered, naked chickens used to simulate dinosaurs running for the movie "Jurassic Park," and he reveals that swans have more than 25,000 feathers while hummingbirds have just 940. Varela picks up the long plume of a macaw, blue on one side, yellow on another, a question forming on his lips, one of many that will frame his interview later with McGraw.

"Can I have a bird?" Cheatham asks her dad as the children leave McGraw's laboratory to prepare to do their interviews.

"Yes," he replies, watching her leave. "But I'd really like to have an ant farm."

To hear Taylor's interview, go to the Ask-a-Biologist Web site <http://askabiologist.asu.edu/podcasts/index.html> (volume 33).

Details and deadlines for future contests can be found at <http://askabiologist.asu.edu/podcasts/contest.html>.

Ask a Biologist is recognized by the Arizona Technology in Education Alliance and the Center for Digital Education. It also was the winner of the 2003 ASU President's Award for Innovation.

Coulombe, with the School of Life Sciences, can be reached at (480) 787-8934 or [margaret.coulombe@asu.edu](mailto:margaret.coulombe@asu.edu).

## Microscopic 'astronauts' advance ASU studies of germ virulence

By Joe Caspermeyer

When space shuttle Endeavor blasted off March 11, some tiny "astronauts" piggybacked onboard an experimental payload from ASU's Biodesign Institute.

The experiment, called "Microbial Drug Resistance Virulence" was part of the STS-123 space shuttle Endeavor mission. It advanced the research studies of Cheryl Nickerson, project leader and scientist in the institute's Center for Infectious Diseases and Vaccinology. Nickerson has been at the forefront on studying the risks of germs associated with spaceflight to the health and well-being of shuttle crews.

"Wherever people go, germs will follow," says Nickerson, who also is an associate professor at ASU's School of Life Sciences.

Last fall, she completed a multi-institutional study that showed for the first time that microbes could be affected by spaceflight, making them more infectious pathogens. The results were from a payload flown aboard the space shuttle Atlantis in 2006.

Spaceflight not only altered bacterial gene expression but also increased the ability of these organisms to cause disease, or virulence, and did so in novel ways. Compared to identical bacteria that remained on earth, the space-traveling salmonella – a leading cause of food-borne illness – had changed expression of 167 genes. In addition, bacteria that were flown in space were almost three times as likely to cause

*"There is compelling evidence that the unique environment of space flight provides important insight into a variety of fundamental human health issues."*  
– Cheryl Nickerson

disease when compared with control bacteria grown on the ground.

The latest shuttle flight offered Nickerson's research team – which includes James Wilson, Laura Quick, Richard Davis, Emily Richter, Aurelie Crabbe and Shameema Sarker – an extraordinarily rare opportunity to fly a repeat experiment of their NASA payload to confirm their earlier results.

In the new experimental wrinkle, the team tested a hypothesis that could lead to decreasing or preventing the risk for infectious diseases to astronauts. The experiment focused on determining if the modulation of different ion (mineral) concentrations could be used as

a novel way to counteract or block the space-flight-associated increase in the disease-causing potential that was seen in salmonella.

In addition, the project supported three other independent investigators to determine the effect of spaceflight on the gene expression and virulence potential of other model microorganisms, including:

- Dave Niesel, University of Texas Medical Branch at Galveston, *Streptococcus pneumoniae*.
- Mike McGinnis, University of Texas Medical Branch at Galveston, *Saccharomyces cerevisiae*.
- Barry Pyle, Montana State University, *Pseudomonas aeruginosa*.

These microorganisms were chosen because they are well-studied organisms that have been, or have the potential to be, isolated from the space shuttle, Mir space station, International Space Station, or its crew, or have been shown to exhibit altered virulence in response to spaceflight. These organisms are all important human pathogens that cause a significant amount of human morbidity and mortality on Earth.

"We now have a wide variety of supportive evidence that the unique, low-fluid shear culture environment the bacteria encounter in space is relevant to what pathogens encounter in our body, including during salmonella infection in the gut, and there may be a com-

mon regulatory theme governing the microbial responses," Nickerson says. "But to prove that, we need to fly these common bugs together with the same hardware on the same flight so that everyone is tested under the same conditions."

The investigators believe that information gained from these studies will prove beneficial in assessing microbiological risks and options for reducing those risks during crew missions. When taken together, these studies ultimately will provide significant insights into the molecular basis of microbial virulence. Once specific molecular targets are identified, there is the potential for vaccine development and other novel strategies for prevention and treatment of disease caused by these microbes both on the ground and during spaceflight.

"We are learning new things about how salmonella is causing disease," Nickerson says. "There is compelling evidence that the unique environment of space flight provides important insight into a variety of fundamental human health issues with tremendous potential for the commercial development of novel enabling technologies to enhance human health here on Earth."

The research studies are supported by several grants from NASA.

Caspermeyer, with the Biodesign Institute, can be reached at (480) 727-0369 or [joe.caspermeyer@asu.edu](mailto:joe.caspermeyer@asu.edu).

# Insight *On campus*

May 9, 2008

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## ASU seniors provide input for Collegiate Learning Assessment

More than 800 ASU seniors who began their studies at ASU recently participated in an innovative national assessment study that will determine how the university has contributed to their learning.

The seniors took time out of their busy schedules this semester to complete the Collegiate Learning Assessment (CLA), which comprises “real world” tasks designed to assess students’ critical thinking, analytical reasoning, problem-solving and written communication skills.

The CLA assesses the “value added” by colleges and universities by comparing what students know and are able to do as freshmen with their level of knowledge and skills as seniors. The test’s focus is on measuring improvement – both in absolute terms and after adjusting for differences in average ability of entering students.

“ASU’s participation in the CLA will provide invaluable data about curricula, academic programs and undergraduate experiences,” says Elizabeth D. Capaldi, ASU’s executive vice president and university provost. “The findings also will allow administrators to examine differences in learning across our campuses, programs, and institutions; among diverse pedagogical approaches; and between different student groups.”

A number of ASU units and local vendors contributed to the study’s success by providing valuable logistical support and incentives to encourage student participation. They include University College, University Technology Office, ASU Bookstores, Intercollegiate Athletics, Sparky’s Den, ASU Gammage, ASU Foundation, ARAMARK/Campus Dining, Four Peaks Brewing Co., Casey Moore’s Oyster

House, W.M. Sacks Sandwicherie, Dutch Bros. Coffee, Dos Gringos and Phoenix Rock Gym.

In addition to incentives provided by ASU and CLA community partners, CLA participants will receive their individual scores compared to those of other seniors at ASU and across the nation. Students who perform better than expected, based on their ACT/SAT scores, will receive a personalized letter from Capaldi indicating that their performance exceeded expectations. Monetary performance-based incentives also will be awarded to top achieving students, with awards ranging from \$100 up to \$1,000.

For questions regarding this study, contact the Office of University Evaluation at [oue@asu.edu](mailto:oue@asu.edu).

## Awards honor ASU, community leaders

By *Adriana Elektra Sanchez*

ASU’s Chicano/Latino & Staff Association (CLFSA) recently celebrated the contributions of community leaders and members of the organization who are making a difference within the ASU community and Arizona.

The ceremony, held annually at the university, provides an opportunity for the members to connect and re-establish relationships with ASU faculty and staff, in addition to community leaders who want to create stronger bonds with the university.

The event also serves to inform the community of new projects, challenges and success stories of the organization.

“The CLFSA is notable because faculty and staff work together to achieve common goals,” says Caroline Sotello Viernes Turner, president of the organization. “Most of the projects could not be accomplished without staff participation, and ASU is a place that encourages cooperation among faculty and staff.”

Edmundo Hidalgo, president of Chicanos Por La Causa, said that being the recipient of the César E. Chávez Community Service Award is a great honor, because he is an ASU alumnus and the award gives him an opportunity to remain involved with ASU.

“Many of the members of the CLFSA were my mentors, and I always knew that I could count on them when I was a student,” Hidalgo says. “I’m no longer a student, but I believe it is important to give back to the university and the community because most of us did not reach our goals alone.”

Hidalgo received the award for his contributions to the Arizona community, and for his dedication to raising scholarship money for ASU students who were unable to pay in-state tuition.

The organization was founded at ASU in the fall of 1970. It aims to establish a better understanding of the problems faced by Latinos, and its members study ways to express concerns to the proper university administrators so that practical remedies can be implemented.

The recipients of this year awards are:



From left: Elena Sotelo, an urban and metropolitan studies undergrate, and winner of the Roberto L. Pastor Student Award; University Student Initiatives’ Anita Verdugo Tarango, the Christine Marin Staff Award winner; Chicanos Por La Causa president and chief executive officer Edmundo, the Hidalgo César E. Chávez Community Service Award winner; and Regents’ Professor Cordelia Candelaria, winner of the Manuel Servin Faculty Award.

- Manuel Servin Faculty Award – Regents’ Professor Cordelia C. Candelaria, College of Liberal Arts and Sciences.
- Christine Marin Staff Award – Anita Verdugo Tarango, University Student Initiatives.
- Roberto L. Pastor Student Award – Elenia Sotelo, Urban and Metropolitan Studies Undergraduate.
- César E. Chávez Community Service Award – Edmundo Hidalgo, president and chief executive officer of Chicanos Por La Causa, and ASU’s Hispanic Research Center.
- Laura Rendón Scholarship Recipients – Esther Duarte, incoming ASU student; Raul Martinez, current ASU student; and Myriam J. Hubbard, transfer ASU student.

*Sanchez, with Media Relations, can be reached at (480) 965-9579 or [adriana.sanchez.1@asu.edu](mailto:adriana.sanchez.1@asu.edu).*

## Dance scholar’s \$1.15 million gives collection a home at ASU

The Cross-Cultural Dance Resources Collection (CCDR) has found a new home in ASU Herberger College Dance from the extraordinary generosity and vision of Elsie Dunin, a leading international dance scholar.

The collection, which is internationally recognized as the most comprehensive dance resource center in the Southwest, comprises more than 15,000 books, letters, costumes, films and 75 indigenous instruments representing dance cultures worldwide.

According to Pegge Vissicaro, president of CCDR and associate chair at ASU Herberger College Dance, this significant acquisition is not coincidental: Dunin’s decision to give \$1.15 million to endow a curator and provide funding for the maintenance of the CCDR collection embodies a special and meaningful convergence of time and place. This convergence honors the special importance of dance to Arizona’s native and immigrant populations.

Vissicaro says Dunin specifically wanted the CCDR collection, which currently is in Flagstaff, moved to ASU’s Tempe campus.

“I feel strongly that the best place for the collection is within Herberger College Dance because of its commitment to teaching students the importance of studying dance in the context of cross-cultural influences,” Dunin says. “The collection will better serve the greater population of the Southwest through the Herberger College and its dance program, which is being spearheaded by enlightened leadership and vision. The department’s development of advanced studies in dance reflects the importance of studying dance

(See DANCE on page 8)

## Polytechnic campus group studies role of arts, humanities in sustainability

Most people don’t think about the humanities and arts as playing a role when talking about sustainability. However, a group at the Polytechnic campus is showing the interconnectedness of both in discussions surrounding this topic.

The Polytechnic Sustainability Research Group, organized in April 2007 and co-led by Joni Adamson and Christopher Wharton, explores how scholars in the humanities are working with scholars in other fields to address the interdisciplinary challenges, opportunities and realities of creating a socially and ecologically sustainable world.

“We are breaking down boundaries between the arts, humanities, and the sciences, at least as those boundaries are perceived in conversations about sustainability,” says Adamson, an associate professor in Humanities and Arts in the School of Applied Arts and Sciences.

The group of 20 faculty, staff and students from several academic areas is brainstorming projects, seeking funding opportunities and pursuing grants for projects that will take place over the next several years.

Some of the projects the humanities and arts members have started include Joe Herkert’s work on the interplay

between engineering ethics and sustainable development.

“Through this effort, I am examining how engineers and professional engineering societies attempt to address sustainability in their work, including social and macro-ethical issues, such as social equity, cultural diversity and public participation,” says Herkert, the Lincoln Associate Professor of Ethics and Technology. “The study of ethics, history, literature and art can shed light on the human condition, and the value choices and changes necessary for sustainable development.”

In June, Herkert will present his work titled “Engineering Ethics and Climate Change” at the annual conference of the American Society for Engineering Education.

In addition, April Summitt, an assistant professor of history, is writing a book about the Colorado River, and why environmental histories are important to discussions surrounding sustainability.

“Understanding metropolitan culture and how cities have used water over time helps scientists find solutions for the future,” Summitt says. “Tracing the ongoing struggle over allocations between states, tribal governments and agribusiness is essential to solving sustainability challenges for the Southwest.”

This month, Adamson presents “Coming Home to

Eat: Re-imagining Place in the Age of Global Climate Change” at the Fourth International Conference on Eco-discourse in Tamshui, Taiwan.

In addition, the group has established a Community Sponsored Agriculture group, and is working with the Global Institute of Sustainability (GIOS) to create and fill a new position called the “sustainability desk” that will examine opportunities for creating a more sustainable culture at the Polytechnic campus. And a recent public showing of “The Real Dirt on Farmer John,” an “artistic docudrama” about community sponsored farming, was used to help students understand food culture, politics and policies.

Wharton, an assistant professor in nutrition who focuses on issues surrounding policy and obesity, led a discussion after the movie, noting that documentaries such as “Farmer John” play an important role in the kind of message framing that can potentially change human behaviors and perceptions.

“For this reason, understanding the role the humanities and arts play when we address environmental issues is key to building a sustainable culture and society in the future,” he says.

Related  
story  
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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](mailto:jps@asu.edu) or fax (480) 965-2159. For information about ASU events, visit the Web at <http://events.asu.edu>.

## Meetings

### ■ Tuesday, May 20

**Public Art and Design Review Council**, 8-10 a.m., University Services Building conference room 2105. Information: (480) 965-1855.

## Lectures

### ■ Tuesday, May 13

**"Get Ready for Love,"** noon-1 p.m., Mercado, Downtown Phoenix campus, 502 E. Monroe St. Speaker: life coach, writer and speaker Faith Boninger. R.S.V.P.: [ASUlectures@asu.edu](mailto:ASUlectures@asu.edu) or (602) 496-1000.

### ■ Wednesday, May 14

**"Maybe It's NOT ADD/HD: Things to Consider BEFORE Medicating Your Children (or Yourself),"** noon-1 p.m., Mercado, Downtown Phoenix campus, 502 E. Monroe St. Speaker: personal growth expert George Gillas. R.S.V.P.: [ASUlectures@asu.edu](mailto:ASUlectures@asu.edu) or (602) 496-1000.

### ■ Friday, May 16

**"Urban Climate Models and Their Application,"** noon, Brickyard Orchid House (BYOH). Speaker: Sue Grimmond, professor, Environmental Monitoring and Modelling Group, Department of Geography, Kings College, London. Sponsored by Decision Center for a Desert City. Information: (480) 965-3367.

### ■ Wednesday, May 21

**"Flamenco at Noon,"** noon-1 p.m., Mercado, Downtown Phoenix campus, 502 E. Monroe St. A lecture-demonstration presented by Un Corazón Flamenco. R.S.V.P.: [ASUlectures@asu.edu](mailto:ASUlectures@asu.edu) or (602) 496-1000.

## Conferences

### ■ Monday, May 12

**"Services Leadership Practicum,"** various times and locations, W. P. Carey School of Business. A simulation event that provides hands-on experience in creating and executing a comprehensive strategy for managing all aspects of a service business. Continues through May 15. Presented by the Center for Services Leadership. Information: (480) 965-6274, or [wpcarey.asu.edu/practicum](http://wpcarey.asu.edu/practicum).

## Miscellaneous

### ■ Saturday, May 10

**Twilight Tour**, 7-8 p.m., Deer Valley Rock Art Center, 3711 W. Deer Valley Road, Phoenix (about two miles north of Highway 101 and two miles west of I-17). Admission: \$6.50 adults; \$3.50 students and seniors; \$2.50 children 12 and younger. Reservations and information: (623) 582-8007.

### ■ Sunday, May 11

**Mother's Day Brunch**, 10 a.m.-2 p.m., University Club. Cost: \$32 per person (\$16 per child 12 and younger). R.S.V.P.: (480) 965-0702.

### ■ Monday, May 12

**Technology Training Program Microsoft Access 2003 Level 1**, 8:30 a.m.-4:30 p.m., University Services Building (USB) room 1502. Continues May 19. Sponsored by the Office of Human Resources. Information and registration: [www.asu.edu/hr/training/tech](http://www.asu.edu/hr/training/tech).

### ■ Wednesday, May 14

**Roundtable Discussion: Account Activations**, 9-10 a.m., Centerpoint (CTRPT) room 310B. Sponsored by Office for Research and Sponsored Projects Administration. Information: (480) 727-0765.

**May Mixer**, 5-7 p.m., Student Services Building (SSV) Patio. Sponsored by Career Services. Information: (480) 965-2350.

### ■ Friday, May 16

**Decision Theater Tour**, 3-4 p.m., Decision Theater, Brickyard Orchidhouse (BYOH) room 126A. Information: [michele.nobles@asu.edu](mailto:michele.nobles@asu.edu).

**Locating Funding**, 3-4 p.m., Computing Commons (CPCOM) room 107. A hands-on workshop to introduce faculty and staff to the basics of locating funding from government, foundation and commercial sponsors. Sponsored by Office for Research and Sponsored Projects Administration. Information: (480) 727-0765 or [ORSPA-Training@asu.edu](mailto:ORSPA-Training@asu.edu).

### ■ Wednesday, May 21

**Technology Training Program Microsoft Project 2003 Level 1**, 8:30 a.m.-4:30 p.m., USB room 1502. Sponsored by the Office of Human Resources. Information and registration: [www.asu.edu/hr/training/tech](http://www.asu.edu/hr/training/tech).

**Roundtable Discussion: Cost Transfers (Non-Payroll)**, 9-10 a.m., CTRPT room 310B. Sponsored by Office for Research and Sponsored Projects Administration. Information: (480) 727-0765.

### ■ Friday, May 23

**Technology Training Program Microsoft PowerPoint 2007 Level 1**, 8:30 a.m.-4:30 p.m., USB room 1502. Sponsored by the Office of Human Resources. Information and registration: [www.asu.edu/hr/training/tech](http://www.asu.edu/hr/training/tech).

## Entertainment

**\*\*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, May 16

**International Museum Day**, 8:30 a.m.-4:30 p.m., Tempe campus. Visit 10 museums, galleries and collections. Sponsored by the Museums, Galleries and Collections Committee.

Information: [www.asu.edu/museums](http://www.asu.edu/museums).

**"Guadalupe, Our Lady of the Roses,"** 7:30 p.m., St. Mark's Episcopal Church, 322 N. Horne, Mesa. The world premiere of a new opera by ASU composer James DeMars, which will be presented as a concert featuring two world-renowned singers. Singing the role of Our Lady of Guadalupe will be Isola Jones, while the role of Juan Diego will be sung by Robert Breault. Also: 7:30 p.m., May 17. Tickets: \$20 (\$15 for students with ID). Reservations and information: (602) 266-7835.

### ■ Monday, May 19

**"The Wedding Singer,"** 7 p.m., Valley Art Theatre, 509 S. Mill Ave., Tempe. A free showing in celebration of the Broadway version coming to ASU Gammage May 20-25. Following the film, moviegoers can meet the cast of the musical, and win merchandise and tickets. R.S.V.P.: [press@asugammage.com](mailto:press@asugammage.com).

### ■ Tuesday, May 20

**"The Wedding Singer,"** 7:30 p.m., ASU Gammage. It's 1985, and rock-star wannabe Robbie Hart is New Jersey's favorite wedding singer. He's the life of the party – until his fiancée leaves him at the altar. Continues at 7:30 p.m., May 21-23; 2 and 7:30 p.m., May 24; 2 and 7 p.m., May 25.\*\*

## Exhibitions

**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.

Opens May 17, "Exploring Dreams: Images from the Permanent Collection." This exhibit's art echoes the dreamlike, surreal images encountered in the depths of sleep and in the shades of waking. The exhibition examines the concepts and science of dreams – what dreams are, and their purpose and meanings. To further enhance viewers' experiences, hands-on and informational activities in the gallery encourage visitors to explore their own dreams through images and text.

## Defenses

**Julie Trim**, PhD, Psy., 9:00 a.m., May 12, PSY 217.

**Senay Yasar**, PhD, Curr. & Instr., 10:00 a.m., May 12, EDB 208.

**Sheila Fram**, PhD, Curr. & Instr., Noon, May 12, ED 425.

**Veronica Rodriguez**, PhD, Coun. Psy., 1:00 p.m., May 12, EDB 444.

**Marie Rutter**, PhD, Coun. Psy., 3:00 p.m., May 12, EDB 444.

**Sharon Schleigh**, EdD, Curr. & Instr., 4:00 p.m., May 12, EDB 209.

**Yi-Ting Chen**, PhD, Engl., 9:00 a.m., May 13, LL 316.

**Tamara Harms**, PhD, Bio., 9:00 a.m., May 13, LSA 109.

**Adam Kalkstein**, PhD, Geog., 9:00 a.m., May 13, SCOB 335.

**Colleen Clemency**, PhD, Coun. Psy., 3:00 p.m., May 13, EDB 444.

**Jesus Camalich Landavazo**, DMA, Mus., 11:00 a.m., May 14, MUSIC E-143.

**David Becerra**, PhD, Soc. Wk., 1:00 p.m., May 14, UCENT 819.

**Sara McKinnon**, PhD, Comm., 1:00 p.m., May 14, STAUF 431.

**Ana Soper**, PhD, Psy., 1:00 p.m., May 14, PSYN 201.

**Regina Clemens Fox**, PhD, Engl., 3:00 p.m., May 14, LL 316.

**Christina Bausman**, DMA, Mus., 9:30 a.m., May 15, MUSIC W-101.

**Amanda Fairchild**, PhD, Psy., 10:00 a.m., May 15, PSY 243.

**Gregory Uyeda**, PhD, Chem., 1:00 p.m., May 15, PSC 101.

**Rose French**, DMA, Mus., 9:30 a.m., May 16, MUSIC E-243.

**Aimee Ellis**, PhD, Bus. Adm., 2:00 p.m., May 16, BA 323-E.

**Thomas Hollmann**, PhD, Bus. Adm., 2:00 p.m., May 16, BA 258.

## EMPLOYMENT

The following positions are available as of May 9 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](http://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. Codes below are: (O) – position is open to the public; (L) – position is limited to current ASU, Northern Arizona University, University of Arizona and Arizona Board of Regents employees.

### STAFF POSITIONS

#### TEMPE CAMPUS

##### Executive and management

**Director of University Enrollment Management** (O) #15326 – Executive VP and Provost of the University (June 16).

##### Professional

**Buyer-General Merchandise** (supplies/gifts) (O) #15241 – ASU Bookstore (May 27).

**Coordinator-Sun Angel Foundation Membership** (O) #15314 – Intercollegiate Athletics Administration (May 16).

**Development Officer Senior** (O) #15147 – College of Liberal Arts and Sciences-Advancement (May 16).

**Executive Coordinator** (O) #14759 – VP University Student Initiatives (May 16).

**Instructional Specialist** (O) #14704 – College of Education (May 30).

**Instructional Specialist Senior PRN** (O) #15190 – Counseling & Consultation (Professional Enhancement Programs (May 14; every week thereafter until position is closed).

**MBA Recruitment Manager** (O) #15088 – W. P. Carey School of Business/MBA Admissions (May 16).

**MBA Recruitment Manager – Full-Time Program** (O) #15089 – W. P. Carey School of Business/MBA Admissions (May 16).

**Medical Lab Technician** (O) #14899 – Campus Health Service (May 14).

**Nurse Practitioner** (O) #14753 – Campus Health Service (May 23).

**Operations and Accounts Specialist** (O) #15369 – College of Liberal Arts and Sciences, and Department of Religious Studies (May 21).

**Program Coordinator Senior** (O) #15175 – Student Financial Assistance (May 16).

**Support Systems Analyst** (O) #15136 – Student Financial Assistance (May 23).

**Systems Analyst Senior, University Services** (O) #15463 – University Services (May 16; application will be accepted and reviewed on an ongoing basis until search is closed).

##### Technical and computer

**Animal Technologist** (O) #15073 – VP-Research and Economic Affairs (May 12; applications will continue to be accepted and reviewed on an ongoing basis until the search is closed).

##### Administrative support

**Office Specialist** (O) #14646 – College of Liberal Arts and Sciences (May 30).

**Office Specialist** (O) #15350 – VP-Research and Economic Affairs (May 19).

**Office Specialist** (O) #15461 – Graduate College (May 22).

**Sales Assistant** (O) (part-time) #14690 – Intercollegiate Athletic-Athletic Ticket Office (May 14; every week thereafter until search is closed).

**Sales Assistant** (temporary/seasonal) (O) (Part-time) #15349 – VP University Administration (May 14; every week thereafter until search closed).

**Secretary** (O) #15248 – College of Liberal Arts and Sciences (May 14).

##### Service/field craft/maintenance

**Custodian-First Shift (Facilities Management)** (O) #15232 – University Services (May 21).

**Custodian Part-Time (Facilities Management)** (O) (part-time) #15236 – University Services (May 21).

**Filter Servicer, HVAC Services (Facilities Management)** (O) #15091 – University Services (May 28).

**General Maintenance Mechanic Enhanced Building Maintenance (Facilities Management)** (O) #15066 – University Services (May 16).

**Painter (Facilities Management)** (O) #15067 – University Services (May 23).

**Stationary Engineer Senior (Central Plant)** (O) #15312 – University Services (May 23).

**Trades Helper, Paint Services (Facilities Management)** (O) #15079 – University Services (May 23).

### DOWNTOWN PHOENIX CAMPUS

#### Professional

**Student Recruiting Coordinator** (O) #15401 – College of Public Programs (May 19).

### POLYTECHNIC CAMPUS

#### Professional

**Academic Success Specialist** (O) #15096 – College of Technology and Innovation-Department of Engineering (May 20).

### WEST CAMPUS

#### Professional

**Communications Specialist** (O) #14901 – College of Teacher Education and Leadership (May 19).

### ACADEMIC POSITIONS

#### TEMPE CAMPUS

**Lecturer** # 9158 – Ira A. Fulton School of Engineering-Civil & Environmental Engineering (May 16; every week thereafter until search is closed).

**Assistant Research Professional** # 9159 – Ira A. Fulton School of Engineering-Electrical Engineering (May 16; every week thereafter until search is closed).

## School of Justice and Social Inquiry

**Dobashes named permanent visiting scholars**

Internationally renowned scholars Rebecca Dobash, a professor of social research, and Russell Dobash, a professor of criminology and social policy in the School of Law at the University of Manchester in the United Kingdom, have joined the School of Justice and Social Inquiry as permanent visiting distinguished professors.

Together, the Dobashes have published eight internationally award-winning books, as well as more than 100 articles and book chapters in the areas of domestic violence, gender and crime.

Their first book, "Violence Against Wives" (Free Press, 1979) established the field of historically and socially contextualized domestic violence studies. The authors of this groundbreaking work were awarded the World Congress of Victimology's International Award for Original Research and Significant Publications in 1980.

Their book "Women, Violence and Social Change" (Routledge, 1992) won the American Society of Criminology Award for Outstanding Comparative Criminology, and in 1995 they received the American Society of Criminology's August Vollmer award for significant contributions to criminal justice research and policy.

Most recently, they have been selected as two of the University of Manchester's Knowledge Horizon Professors.

The Dobashes will spend several weeks in residence at ASU the spring term of each year. Their appointments with the school represent a homecoming for them, as both received their bachelor's and master's degrees from ASU before completing their doctorates in sociology at Washington State University.

Since completing their doctorates, they have held teaching positions in the United Kingdom beginning with the University of Stirling, Scotland, and the University of Wales before assuming their positions at the University of Manchester.

Before their arrival at the School of Justice and Social Inquiry, the Dobashes also have had visiting positions or been invited scholars-in-residence at the Rockefeller Foundation Centre for Fellows in Bellagio, Italy; University of California-Berkeley; Johns Hopkins University; University of Haifa, Israel; and, the University of Melbourne and University of Sydney, Australia.

Their research has been supported through a number of prestigious awards from the Fulbright Foundation, the National Institute of Justice, the Rockefeller Foundation and the UK equivalent of the National Science Foundation, which is known as the Economic and Social Research Council.

Notably, the Harry Frank Guggenheim Foundation sponsored



Rebecca Dobash and Russell Dobash

their yearlong international and multidisciplinary initiative on violence against women.

The Dobashes accepted the invitation to be permanent visiting distinguished professors after having worked with faculty at international conferences and during a previous appointment as visiting researchers in the School of Justice and Social Inquiry.

"We are delighted to be able to spend more time at ASU in the School of Justice and Social Inquiry with students and colleagues who are welcoming and intellectually stimulating," says Rebecca Dobash. "This provides an excellent opportunity for us to engage with the impressive scholars in the school in ways that will enable us to further develop our own research."

According to the school's director, Marjorie S. Zatz, "Russell and Rebecca Dobash are leading scholars internationally in the area of domestic violence. More than anyone else, they have defined this field of study for the past 30 years. We are delighted that Russell and Rebecca have chosen to join the school as visiting distinguished professors on a regular basis each spring, guest lecturing in classes, offering public lectures, and meeting with faculty and graduate student research clusters. They will contribute greatly to one of our school's core scholarly themes – law, policy and social change – and to transdisciplinary scholarship more generally in the area of gender violence and the law."

**ASU graduate nabs major internship with city of Phoenix**

By Corey Schubert

Mayra Baquera is taking a huge step on her path to managing a city.

After receiving her master's degree in public administration from the School of Public Affairs from ASU May 8, she'll enter the Phoenix Management Intern Program, one of the nation's most prestigious in the field of public administration.

She's one of three interns selected among more than 100 highly qualified applicants from across the nation for the yearlong program, which will provide her with a firsthand look at the city's efforts to address some of its most pressing issues.

She'll gain experience closely working with city leaders during rotational assignments in the city manager's office, and departments such as budget and research, aviation, public works and water services.

"I think this is the beginning of my career and becoming a good manager and leader," says Baquera, 27. "I've seen my skills evolve since I began the program at ASU, so this will be a natural progression to practice them."

Many of the city's top-level executives started their careers in the internship program. Former participants include Martin Vanacour, associate director of the School of Public Affairs, who says he learned skills that have lasted a lifetime.

"The experiences from that one year, and the prestige of the program, gave me opportunities to move quickly through various positions to fulfill my goal of becoming a city manager," Vanacour says.

Baquera, the first in her family to receive an undergraduate and graduate education, has a passion for making a difference in the Phoenix community where she has spent most of her life. She's a research assistant for the Alliance for Innovation, an ASU partnership networking association for cities and counties committed to innovation and transforming local government.

After receiving her bachelor's degree from ASU in 2003, she worked as a case manager at a nonprofit shelter for undocumented children. Last year, she was selected for the Department of State's Summer Internship Program and worked in the Public Affairs section at the U.S. Embassy in Buenos Aires.

Upon her return, Mayra pursued classes in urban management at the College of Public Programs. She also has served as a volunteer for the Victim Services Division of the Maricopa County Attorney's Office.

*Schubert, with the College of Public Programs, can be reached at (602) 496-0406 or corey.schubert@asu.edu.*



Mayra Baquera

**ASU forensics team maintains top 10 status**

By Erica Velasco

The ASU forensics team finished sixth out of 88 U.S. schools at the National Forensics Association Championships Tournament, held in April in Nashville, Tenn. Fifteen undergraduate team members competed in at least three events, each being qualified throughout the year at regular season tournaments.

With more than 500 students competing in the national tournament, ASU had the following placements:

- Julia Kolsrud, a senior majoring in political science, was the national runner-up (second place) in dramatic interpretation, semifinalist in prose interpretation.

- Andy Stone, a sophomore majoring in communication, was the national runner-up (second place) in after-dinner speaking.

- Jose Magana, a senior majoring in communication and business, placed third in informative speaking. He also was a semifinalist in communication analysis, poetry interpretation and extemporaneous speaking.

- Sara Cho, a senior majoring in drawing, earned 13th place in rhetorical criticism.

- Eric Dern, a freshman majoring in film studies, received 14th place in after-dinner speaking.

- Andrew Kersh, a freshman major-

ing in communication, earned 16th place in dramatic interpretation.

ASU Forensics is the oldest student organization at ASU, dating back to 1885. The team has been in the top 10 since 1992 at national tournaments held by the American Forensics Association and National Forensics Association.

More information about the program can be found at the Web site [www.asu.edu/clas/communication/undergraduate/forensics](http://www.asu.edu/clas/communication/undergraduate/forensics).

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

**College of Human Services offers pair of advanced degrees**

By Steve Des Georges

Two ASU colleges are teaming to offer a pair of new graduate degrees for students interested in the fields of recreation, tourism, nonprofit management, and community resources and development.

The College of Human Services at the West campus, along with the College of Public Programs at the Downtown campus, will offer a master's degree in recreation and tourism studies, in addition to a doctoral degree in community resources and development, beginning in this fall. The new degrees are the only ones of their kind offered in Arizona.

The partnership brings together the diverse learning environments of two of ASU's campuses located within the heart of the Phoenix metropolitan area. The degree programs are the only ones at ASU offered jointly by two different units at two different campuses, broadening access for students.

Included in the master's program is an accelerated bachelor's-master's degree that will provide students the opportunity to complete both degrees in five years.

"This is a wonderful partnership that will improve access to graduate education for our students," says Kathleen Andreck, the director of the two graduate programs, and a professor in the Department of Recreation and Tourism Management. "This will give students an op-

portunity to work with a broader range of faculty who have a variety of interests and expertise."

The master's degree is designed to prepare students to analyze and understand critical topics and issues relative to the fields of recreation, leisure and tourism.

Two degree options are available to students. The 30-hour research-thesis track is recommended for students planning to continue graduate studies beyond the master's degree, while the 36-hour management-oriented professional track is intended for students seeking additional knowledge and expertise relevant to career development.

"For current undergraduate students, or for those already working in the field who want additional career and personal development, or who want to move upward into management positions more quickly, this master's program is really ideal," says Andreck, who has conducted recreation- and tourism-related research projects for the Arizona Office of Tourism, USDA Forest Service, Bureau of Land Management, Arizona Department of Commerce, Arizona State Parks, Arizona Tourism Alliance and a number of communities throughout the state. "It is also designed for those with a bachelor's degree in a different field who are interested in a career in parks-, recreation- or tourism-related organizations.

"It also will serve the needs of students who eventually want to earn a Ph.D. and be a university professor, or work in a research-oriented

capacity with agencies or organizations."

The doctorate degree, a full-time program, builds on graduate courses in tourism, parks and recreation, and nonprofit management. It includes faculty mentoring and community involvement.

The doctoral degree is designed for graduate students interested in studying community development; tourism development and management; community studies; parks, recreation and leisure; and nonprofit leadership and management. Research will occur within three thematic areas: sustainable communities, organizational capacity building, and enhancing community quality of life across the lifespan.

"Our programs advance the social, economic, environmental and cultural well-being of our local and global communities through instruction, research and service," says Andreck, who also is president of the Great Western Chapter of the Travel and Tourism Research Association. "These programs are offered to help students acquire the knowledge and perspective they will need to lead these fields through the challenges of the next century."

Andreck says the degree offerings will benefit from the community support they already have received.

"There has been a terrific response to these programs from the professional community," she says. "There are a number of organizations that have expressed a deep interest in our graduate

students. Phoenix Parks and Recreation is funding graduate assistantships, and we believe more of these types of partnerships will develop to the benefit of our students."

Tim Tyrrell, professor in the Downtown Phoenix campus' School of Community Resources and Development, and director of ASU's Metropolitan Tourism Research Center, agrees with Andreck.

"Arizona's tourism industry has given enthusiastic support to these new programs, and our existing bachelor's degree programs, through scholarship and internship opportunities," he says. "The move to downtown Phoenix by the college in 2006 has been a win-win for us, bringing us closer to many of our tourism industry partners and also closer to our academic colleagues at the West campus."

For additional information, contact the Department of Recreation and Tourism Management (West campus) at (602) 543-6603, or the School of Community Resources and Development (Downtown Phoenix campus) at (602) 496-1056.

Information relative to the master's program can be found at [rtsms.asu.edu](http://rtsms.asu.edu), while doctoral program information can be found at [crdphd.asu.edu](http://crdphd.asu.edu).

*Des Georges, with Public Affairs at the West campus, can be reached at (602) 543-5220 or [stephen.desgeorges@asu.edu](mailto:stephen.desgeorges@asu.edu).*

## Institute for Humanities Research fuses sustainability with art

By Erica Velasco

The topic of sustainability usually involves preserving the Earth and its resources through technology and science. ASU's Institute for Humanities Research, in the College of Liberal Arts and Sciences, has taken a different route to examine this topic by playing host to two art exhibitions that fuse the humanities and sustainability.

The exhibitions explore the relationship between human beings and nature and propose solutions within existing cultural structures. "Sustainability and the Visual Arts" was on display last semester. "Between Two Worlds: Art by Melanie Yazzie" is currently on display.

"The Institute for Humanities Research is enlarging the university's definition of its sustainability initiative by highlighting the contributions of the humanities and the arts," says Sally Kitch, founding director of the institute and co-curator of the exhibitions. "The 'Sustainability and the Visual Arts' exhibition, which was a juried show of student and community work, is part of the institute's larger commitment to the humanities and sustainability."

The exhibition, which was on display from October to January, showcased two-dimensional and small-scale sculptures from eight artists. The artists were asked to explore new meanings and interpretations of sustainability. Local artists related their experiences

in the Valley, preserving their cultural and linguistic experiences, while others used new materials and methodologies when creating their work.

"The humanities and the arts can provide such contextual knowledge, evoke emotional as well as analytical responses to our current environmental crisis, and situate proposed solutions within larger cultural frameworks," Kitch says. "The humanities and the arts can also help redesign the future, redefine the relationship between human beings and nature, and reformulate the connection of human societies to the Earth and all of its systems."

"The exhibit proves that works of art can posit critical viewpoints and perspectives," says John-Michael Warner, graduate student and the other co-curator of the exhibition. "This exhibition also revitalizes sustainability and the ways we understand it. In order for sustainability to become a successful ideology, humanists, scientists and artists must be invited to the table."

The exhibitors included Amy Richardson, Mary Lyverse, Adam Frus, Candace Jim, Maria Michails, Lisa Corine von Koch, Keith Stanton and Chloe Palmer.

The current exhibit "Between Two Worlds: Art by Melanie Yazzie," is a compilation of 15 pieces spanning the artist's career. As a printmaker, painter and sculptor, Yazzie uses her work to explore how she lives as a Native American in the contemporary world, and how she negotiates that space as a human being and artist.

Her art stems from her world travels, childhood memories and personal triumphs.

"I think when I travel, I realize that we're all coming from different cultures and places but we are all human beings that have common experiences of living on this Earth," says Yazzie, an associate professor of art at the University of Colorado-Boulder. "The symbols and ideas that are important in one location, would be just as important in other places, but displayed in a different manner."

According to Warner, melding the humanities and art provides cultural, historic and linguistic inclusion and exchange, while collaborating across disciplines including human rights, gender identity, critical race and feminist theories introduces the opportunity to pose new questions.

Yazzie's exhibition will be open during business hours through May 14 at the Institute for Humanities Research in the Social Sciences Building, room 107, at ASU's Tempe campus. The works of art in the "Between Two Worlds: Art by Melanie Yazzie" exhibition were loaned from the Glenn Green Galleries and Sculpture Garden, Bluejacket Family Collection, Hayward Simoneaux and John-Michael Warner.

More information can be found at the Web site [asu.edu/clas/ihr](http://asu.edu/clas/ihr).

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

## Dance scholar's \$1.15 million gives collection a home at ASU

(Continued from page 1)

not only as a performance and contemporary art, but also with an understanding of dance movement in cultural contexts.

"In addition, the collection will attract national and international dance scholars who, through their contacts and exposure to the department, will in turn benefit the students. Just as studies of law, medicine, and architecture are already well-served in academia with their libraries and archives, the CCDR collection will provide a unique body of knowledge for dance within the midst of a thriving dance program."

Simon Dove, chair of ASU Herberger College Dance, shares Dunin's vision of exploring resources and expanding awareness about the connection between cultural influences and contemporary dance forms.

"Ms. Dunin's remarkable gift, and her visionary decision to house the CCDR collection at ASU permanently, will benefit all students and scholars of dance by bringing the collection to an academic environment that encourages research and creativity," Dove says. "In this time and place, enlightened and generous investment in future generations of dance artists will enable us to achieve our goal of nurturing a truly global perspective on this extraordinary art form."

## Class project turns students into philanthropists

By Amy Cox O'Hara

Andrew Carnegie once said, "It is more difficult to give money away intelligently than it is to earn it in the first place."

Students enrolled in the ASU class Philanthropy: Theory and Practice (NLM 550), a master's degree-level course taught through the School of Community Resources and Development in conjunction with the ASU Lodestar Center for Nonprofit Management and Innovation, learned this lesson firsthand this past semester.

In a class project that culminated with a \$20,000 check presentation to one Valley nonprofit, students were able to gain hands-on experience and a new insight into the ups and downs of being on a foundation board.

The course, taught by Roger Hughes, executive director of St. Luke's Health Initiatives (SLHI), a Phoenix-based public foundation, gave students the opportunity to make a \$20,000 grant on behalf of SLHI's Health in a New Key community development program.

The students narrowed down a list of more than 20 qualified nonprofits to five finalists, then they divided into teams that worked with the potential recipients to develop persuasive proposals for support.

Following a round of team presentations, the students played the role of foundation board members and selected what they considered to be the "best fit" with the grant requirements.

Hughes explained that SLHI provides the grant to give the next generation of leaders in the nonprofit sector valuable experience in the business of philanthropy – and to introduce them to the principles of strength-based community development.

Acting as fundraisers and board members, students were forced to see things from several – and often conflicting – points of view.

"It was a valuable lesson in what constitutes a strong grant proposal, and the reality of the subjective nature of many funding decisions," says student Genevieve Croker.

Fellow student Bethany Taylor agrees, adding: "As a development officer, I always thought that raising funds was hard – and that giving

money away, in comparison, must be easy. But by participating in this exercise, I learned just how hard giving money away could be. When you are forced to choose between multiple worthy organizations, it is truly difficult."

In the end, Stepping Stones of Hope, an organization that offers grief and bereavement services to children and their families, was selected to receive the \$20,000 grant.

"All the proposals were good," says student Damon Lemmons. "But this one gave us the greatest sense of community leverage and sustainability."

This is the second year NLM 550 has been offered. Last year's inaugural group awarded \$10,000 to Girls on the Run of Maricopa County, a nonprofit that works to improve the physical and social development of young girls through an innovative running program in schools. Because of the growing interest in the course and the success of the first offering, SLHI was able to double its award contribution this year.

"Our educational curriculum is well-known for bridging theory and practice through experiential learning based within the classroom experience," says Robert F. Ashcraft, director of the Lodestar Center for Philanthropy and Nonprofit Innovation and professor of nonprofit studies in ASU's School of Community Resources and Development. "This is especially true in the case of NLM 550. What Dr. Hughes and St. Luke's Health Initiatives has made possible is a stellar philanthropic laboratory that is the envy of nonprofit and philanthropic studies educational programs nationwide."

"This was an exceptional learning experience," says student Saso Andonoski, who comes to the Valley from the Republic of Macedonia. "The class showed the ability to go beyond expressive philanthropy and think strategically. I have learned so much from this class. This was one of my best experiences at ASU so far."

Cox O'Hara, with the Lodestar Center, can be reached at (602) 496-0185 or [amy.ohara@asu.edu](mailto:amy.ohara@asu.edu).

## In BRIEF

### Piano sale to benefit School of Music

ASU's Herberger College School of Music, in conjunction with AZ Piano, will conduct a sale of pianos on loan to ASU.

The sale will take place, from 9 a.m. to 9 p.m., May 15-18, at the School of Music building, located at 40 E. Gammage Parkway on ASU's Tempe campus.

A contract with AZ Piano enables the ASU Herberger College School of Music to purchase much-needed pianos with proceeds from the piano sale.

Beginning May 10, ASU community members can call (480) 727-6770 for a preview appointment, and selection is May 15-16. Pianos are on sale to the general public May 17-18.

### Deer Valley Rock Art Center offers tours

ASU's Deer Valley Rock Art Center will offer Summer Twilight Tours from 7 p.m. to 8 p.m. on six Saturdays this summer, beginning May 10.

The tours will be led by Desert Little Bear, the Rock Art Center's public educator.

DVRAC has the largest concentration of Native American petroglyphs in the Phoenix Valley. Desert Little Bear will answer questions about desert wildlife, birds, insects, plants and Native American cultures.

Besides May 10, the tours will take place May 24, June 28, July 19, Aug. 2 and Aug. 16. Admission is \$6.50 for adults, \$3.50 for seniors and students, and \$2.50 for children 12 and

younger. Reservations should be made at least two days in advance by calling (623) 582-8007.

The Deer Valley Rock Art Center is a museum, nature preserve and archaeological site, with the largest concentration of Native American rock art in the Phoenix Valley.

The center, managed by ASU's School of Human Evolution and Social Change, is listed on the National Register of Historic Places and is a Phoenix Point of Pride.

Deer Valley Rock Art Center is located at 3711 W. Deer Valley Road, about two miles north of Highway 101 and two miles west of I-17.

For more information about public programs, call (623) 582-8007 or visit: [www.asu.edu/clas/shesc/dvrac](http://www.asu.edu/clas/shesc/dvrac).

### Center's shop slates sale for Mother's Day

Celebrate Mother's Day at the Deer Valley Rock Art Center. The Glyph Shop will offer savings of 40 percent to 50 percent off items such as paintings, pottery, baskets, Native American jewelry, and books on rock art and archaeology, through May 11.

On May 11, from 8 a.m. to 2 p.m., visitors are invited to bring their mothers free.

For more information, call (623) 582-8007 or visit the Web site [www.asu.edu/clas/shesc/dvrac](http://www.asu.edu/clas/shesc/dvrac).

### Rooms sought for international students

OvECS Ltd. is searching for host families for international students that are coming to ASU.

Becoming a host family provides an opportunity to enjoy the lasting experience of sharing a home with an international student. Members of the host family will get the chance to learn and experience another country's culture, and to share American culture with the student.

Host families are compensated at up \$1,000 every four weeks (\$500 per student). A new compensation rate starts in August, and families can serve as hosts for up to two students for a minimum four-week commitment. A referral fee is available (\$30 per referral if a referred family becomes a host family.)

A host family can be a father and mother with children; a couple without children; a single parent with children; or a single person with no children.

Requirements include:

- The host family must live within 35 minutes by bus to ASU's Tempe campus.
- The host family must be able to greet the student at Phoenix Sky Harbor Airport.
- The host family must be approved via a home visit.
- The host family must provide a private room for each student, and partial board (two meals per day).

For more information, call OvECS Ltd. at (480) 633-8191 between the hours of 9 a.m. and 5 p.m., Monday-Friday, or send an e-mail to [homestay@ovecs.com](mailto:homestay@ovecs.com). Those interested in the program also can learn more about the program by visiting the Web site [www.azhomestay.com](http://www.azhomestay.com). Look at the top of the Web site for the words "Becoming A Host."

## Students share tourism ideas with city chiefs

By Corey Schubert

Jeremy Brooks is among the first to say it. The two-letter word eases out of the junior's lips and bounces around the packed classroom, gaining momentum until it's repeated hundreds of times by a bevy of students.

Many of them don't even seem to realize the importance of the word – "we" – as they discuss unique ways to increase tourism in five rural Arizona communities. But Tim Tyrrell's smile keeps widening as his students sound more and more like longtime residents of the small towns they hadn't known existed before taking his Tourism Planning course.

"We want to bring in the tourism aspect but keep our small-town feeling," says Brooks, standing before a huge photo of the city of Coolidge's only dine-in restaurant.

Brooks was among 50 students of the School of Community Resources and Development who spoke to community leaders April 23 to share their ideas for attracting visitors to the Arizona communities of Chino Valley, Gila Bend, Jerome, Coolidge and Superior.

This marked the first time in the 10-year history of the course that students have presented their improvement strategies directly to representatives from the cities and towns.

It's a new way the College of Public Programs is putting theory into practice, helping students at the Downtown Phoenix campus apply what they learn to directly affect communities.

Students formed five teams, ventured into communities to assess the area's resources,



ZARA BISH PHOTO

**Leigh White, center, a student in the School of Community Resources, speaks to leaders of the Arizona community of Superior about ways to increase tourism as classmates Ashley Dotson and Alexis Antoniou look on.**

and spoke with local officials, residents and visitors. They came up with ideas for sustainable tourism development that minimizes the negative impacts of tourism and takes full advantage of its benefits. The Arizona Office of Tourism co-sponsored the project.

Student suggestions for increasing tourism ranged from adding an outdoor civic marketplace in Chino Valley where residents frequently would gather, to making the inactive mines of Jerome safe enough to open for tours.

Team members who focused on Gila Bend proposed a plan they say would double tourism in the city, which has less than 2,000 residents. They suggested building a "desert oasis attraction" with a hummingbird facility, a small café with outdoor seating, and trails featuring native minerals and geology.

"We see this as a way to celebrate the natural area of Gila Bend without depleting its assets," says junior Austin Beber.

Another idea included adding a gateway in Jerome similar to the Cincinnati Gateway, allowing talented folks from the town's artist colony to play a role in its design. Residents could vote on their favorite artist's renditions to help in providing a unique identity for their community.

Melanie Oliver, Superior's interim town manager, says she was particularly impressed with a team's idea of marketing the town in an "Old West" theme, complete with an attraction that would make tourists feel they were on a Western movie set.

"I think they did a wonderful job with their presentation," Oliver says.

*Schubert, with the College of Public Programs, can be reached at (602) 496-0406 or corey.schubert@asu.edu.*

## 22 grad students earn completion fellowships

The Graduate College awarded 22 fellowships to students who will be completing their doctoral and master's degrees this year.

Graduate College completion fellowships reward academic excellence and aid completion of the doctoral or master's degree by allowing a semester of full-time effort to complete a dissertation or project.

The students are: Stephanie Ayers, social and family dynamics; Maria del Carmen Amato de Torres, Spanish doctoral program; Frederick Jason Diller, English; Anne Ellis, public affairs; Connie Engel, School of Justice & Social Inquiry; Sarah Fedirka, English; Elia Hatfield, Spanish doctoral program; Eric Johnson, School of Human Evolution & Social Change; Ramazan Kilinc, political science; Chun-yi Lee, art; Christopher Lundry, political science; Andrew Marcus, dance; Lauren McAdams, art; Willard McArthur, history; Carol Mejia-LaPerle, English; Scott Murphy, art; Azusa Ono, history; Brock Ruggles, history; Christopher Schneider, School of Justice & Social Inquiry; Nicholas Schweitzer, psychology; Julia Steinberg, psychology; and Oona Thommes Paredes, School of Human Evolution & Social Change.

## 'Study parties' offer innovative way for students to prep for finals

By Corey Schubert

The words "study" and "party" certainly aren't synonymous, but faculty at the School of Community Resources and Development have found a way to turn the stress of pre-finals studying into a great time.

The school in the College of Public Programs offers an increasingly popular study party each semester, drawing dozens of students who gather for free pizza and a chance to score one-on-one coaching with professors in a laid-back atmosphere before final exams.

Some faculty members tape copies of past midterms on the walls. Other instructors give impromptu review sessions, offer feedback on essays or provide extra help with hard questions. Even teachers who don't have a final exam find the time to drop in.

"You get the pizza and the midterm answers – it's the best of both worlds," freshman Max Fivey said during a study party April 30 at the Wells Fargo Student Center in downtown Phoenix, near the campus.

Fivey focused his eyes on a midterm exam and jotted notes on a yellow legal pad as fast as he could.

He was among more than 50 students who came to the party to increase their chances of doing well on the finals, which can count as much as 30 percent of the grade in some courses.

Many instructors ditch their ties and formal clothes



ZARA BISH PHOTO

**Carl Yoshioka, a professor at ASU's School of Community Resources and Development, helps student Diana Rocha prepare for a final exam during a "study party" on April 30 in downtown Phoenix. The school is part of the College of Public Programs.**

for jeans, but it's still fairly easy to distinguish students from teachers. Just follow the sound of a dozen fingers click-clacking on laptops, and you'll find small groups of students huddled in a circle around a professor.

"It's a good way for us to ask the teachers questions if

we're stressed out about something," said Ciara Franklin, who is majoring in tourism development and management.

Other students were studying for their courses in majors such as nonprofit leadership and management, and parks and recreation management.

The study parties began in 2002 at the Tempe campus, when the Recreation and Tourism Student Association wanted to bring together faculty and staff with students taking the same core classes in an environment more casual than a classroom. When the School of Community Resources and Development moved to the Downtown Phoenix campus, the parties grew into a schoolwide event.

"It's exactly the sort of thing to encourage student retention and improve morale and graduation rates," said instructor Rebecca Barry. "We're always excited about it because we take our new name seriously. Academically, 'community resources and development' means that we are interested in developing the resources that make communities strong, such as tourism resources, infrastructure, parks, natural resources, volunteerism, civic pride, etc. But beyond academics, we also feel strongly about developing our student and faculty communities."

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## Roots of nursing education at ASU stretch back over 5 decades

By Julie Newberg

A new era in education began at ASU when the College of Nursing was founded half a century ago. In that time, the college has had five deans, each of whom made unique contributions to what the college is today.

Loretta Bardewyck, who passed away last year, served as the founding dean of the nursing program in 1957, a year before ASU itself became a university. She worked with a budget of about \$22,000 that first year. Her salary was \$9,000 while a beginning instructor made about \$4,000 per year.

Retired faculty member Ellamae Branstetter was there from the beginning and remembers Bardewyck fondly.

"We didn't have a lot of students, but we had enough to keep us busy," Branstetter says.

Although the college was small at that time, Branstetter enjoyed the friendly atmosphere. Much of that feeling of cohesiveness was due to Bardewyck's leadership.

"Students had confidence in Loretta," Branstetter says. "People liked her."

Students were eager to learn nursing skills, and they traveled to places such as Good Samaritan Hospital and St. Joseph's Hospital for clinical experience.

The nursing program grew through the years,

and a master's degree program that Branstetter developed came to fruition during her tenure. Native Americans also gained access to health care after Branstetter worked to secure a grant in 1977 that established an academic nursing center in Scottsdale – the first of its kind at a university in the Valley.

Clinical associate professor Barbara Fargotstein started at ASU as a nursing student who graduated in 1969, and she worked with all five deans. As a student, Fargotstein remembers Bardewyck as instrumental in establishing the nursing program as a separate school from the College of Liberal Arts and Sciences.

After Bardewyck, Juanita Murphy joined the college as dean from 1971 to 1983. She focused on scholarship and research.

"She really set the stage for faculty to get their doctorates, conduct more research and gain additional funding," Fargotstein says.

Janelle Krueger, dean from 1984 to 1992, promoted diversity by bringing minority students into nursing. The American Indian Students United in Nursing program began at ASU in 1990. Today, the College of Nursing and Healthcare Innovation has 29.6 percent minority enrollment, a testimony of Krueger's foresight.

Krueger was adept at reaching out to many different community advocates and partners.

"She was very effective at building partnerships," says Mary Killeen, who started at ASU as a nursing student in 1975 and eventually went on to become a faculty member and associate dean for academic affairs.

Barbara Durand expanded the bachelor's degree program and was able to bring the doctorate of nursing degree program to fruition during her years as dean from 1992 to 2004. The college also made U.S. News and World Report rankings during Durand's tenure for the first time, with a ranking of No. 40 out of 365 master's degree programs in the country. Rankings in later years would improve to the mid-30s.

Durand also worked to take nurses to the next level through a registered nurse to bachelor's degree in nursing program, and she also strengthened the nurse practitioner programs.

Technological needs also were addressed with the addition of more computers and simulated patients – "manikins" with heart sounds, blood pressure, circulation and many other body vital signs. Simulation gives students the chance to prepare and receive the most benefit from clinical experiences, says Jean Stengel, retired director of student services, who managed the simulation center as one of her many duties.

Student experiences are among the most treasured remembrances of years past at the nursing college. Participating in the learning process and

celebrating "Aha!" moments with students when a concept or practice finally makes sense – and watching as critical thinking skills blossom – are just a few memories that Fargotstein finds inspiring.

Now that the college is located at the Downtown Phoenix campus, it continues to grow and change under the leadership of its current dean, Bernadette Melnyk. Enrollment is double what it was five years ago with more than 1,840 students.

Melnyk has expanded nursing educational programs, increased research grants and developed new centers of excellence that focus on research areas such as evidenced-based practice, improving health outcomes for children, teens and families, conducting clinical trials to bring new health care products to market, and increasing geriatric nursing faculty. She also championed changing the name of the college to the College of Nursing & Healthcare Innovation to reflect its emphasis on innovation and interdisciplinary health care.

Melnyk joined two of the other nursing deans and community leaders to celebrate the college's 50th anniversary gala April 25 at the Arizona Biltmore.

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## Wimsatt earns law school's Lisa Award

By Janie Magruder

Ted Wimsatt is the recipient of the 2008 Steven G. Lisa Award for his academic excellence and significant contributions to the Center for the Study of Law, Science & Technology at the Sandra Day O'Connor College of Law.

The \$1,000 award, which is given by Lisa, a patent lawyer and alumnus of the College of Law, recognizes an outstanding third-year law student with intellectual property interests.



Ted Wimsatt

Wimsatt graduated this week at the top of his class and earned a law, science and technology certificate with a specialization in intellectual property.

During law school, he was a summer associate at Perkins Coie Brown & Bain and at Lewis and Roca LLP, and he also was executive editor of *Jurimetrics: The Journal of Law, Science, and Technology*.

Wimsatt, a former engineer at Motorola who has a computer engineering degree from Penn State, said he is honored to receive the award.

"I'm really surprised because there were a lot of great 3Ls involved with the center this year – and they are as, or more, deserving," he says.

Gary Marchant, the center's executive director, called Wimsatt a model student who "will surely also be a superb attorney."

"Ted is consistently brilliant, hard-working, fully engaged, responsible and reliable," Marchant says. "On top of all that, he is a nice guy."

Wimsatt plans to serve as a clerk for the Arizona Supreme Court's vice chief justice, Rebecca White Berch, next year. He has lined up a job at Perkins Coie Brown & Bain after that.

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## Surprise retirement party honors Schatzki

By Janie Magruder

A surprise retirement party for George Schatzki, dean of faculty and a professor at the Sandra Day O'Connor College of Law, was punctuated by cheers and tears from the more than 100 faculty and staff members who celebrated his calm, reason and loyalty.

"He has made life better for all of us with his remarkable generosity of spirit and ineffable kindness," said the college's dean, Patricia White, during the annual staff appreciation event April 28. "This man is a giant in legal education. He'd been the dean of two major law schools, and he steps up here, willing to be acting dean so that I could take the only sabbatical in my life, and then willing to serve as my chief deputy. He has meant an unbelievable amount to me as a person and an extraordinary amount to this school."

Schatzki, former dean of the law schools at the University of Washington and the University of Connecticut, and a longtime law professor at the University of Texas, joined the ASU law faculty in 2000. A specialist in labor law and employment discrimination law, Schatzki also has chaired the college's admissions committee for years.

Shelli Soto, dean of admissions, said the college is lucky that White engineered a plan to enable Schatzki to end his legal-education career at ASU.

"I have been awed so many times by his lovely willingness – in fact, his instinct – to interpret someone's words and actions and put them in the most flattering light," Soto told Schatzki. "I consider myself incredibly fortunate to have had the opportunity to work with you, and I'm very lucky to call you friend."

Schatzki was showered with gifts, including gift certificates, a DVD bridge tutorial, a jersey of his beloved Boston Red Sox that bears his name, and a baseball that was signed by senior staff members and presented by Chris Baier, assistant dean of institutional operations.

"You're our MVP," said Baier, a New York



JANIE MAGRUDER PHOTO

Assistant dean Chris Baier, left, presents a game ball to dean of faculty George Schatzki at a retirement celebration in his honor April 28. Schatzki, a baseball fan, was named the MVP for his nearly nine years of leadership and teaching at the Sandra Day O'Connor College of Law.

Yankees fan, "for putting up with us and providing the perspective to not let us take ourselves or our jobs too seriously. The bottom line is you are the glue that held our team together."

Professor Michael Berch, a close friend of Schatzki, read a quote from Oliver Wendell Holmes Jr.'s "Anonymity and Achievement."

"George, this is appropriate to you," Berch said. "I think one of the best things an older man can do for younger men is to tell them the encouraging thoughts his experience has taught him. It is better still if he can lift up their hearts – if after many battles which were not all victories, the old soldier still feels that fire in him which will impart to them the leaven of his enthusiasm."

Surprise guests at the party included Schatzki's wife of 50 years, Lorraine, along with Arizona Corp. commissioner Kris Mayes and Garry Hays, both members of the college's Class of 2003. Hays pointed out Schatzki's dislike for

rules, and Mayes said he had "the patience of a saint."

Professor Adam Chodorow said Schatzki taught the faculty many things, most notably that it's possible to disagree without being disagreeable. Schatzki also brought a calming perspective to the group at the most frenetic times.

"George has been a marvelous teacher and a wonderful example for us all," Chodorow said. "Although he may ride into the sunset, his influence will be felt here for many, many years."

Schatzki said he plans to read more, sleep later, spend more time with his seven grandchildren – three of whom live in the area – and drop in on the law school now and again.

"I did not expect this," he said to his colleagues, who stood and applauded. "And I don't deserve any of it."

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## McCauley wins Cohen Professionalism Scholars award

By Janie Magruder

Meghan McCauley, a first-year law student at the Sandra Day O'Connor College of Law, recently was chosen as the winner of the 2008 Cohen Professionalism Scholars competition, based on an essay she wrote about integrity.

McCauley, whose essay was titled "Commandment 10: Honor who you are and you will bring honor to what you do," received a \$1,000 scholarship from the sponsors of the contest, Loren Cohen and Maricopa County Superior Court judge Bruce R. Cohen, an alumnus of the College of Law.

The Cohens awarded second place and a \$500 scholarship to Alison Atwater, and honorable mentions – along with \$250 scholarships – to Amy M. Coughenour, Natalie Greaves and Daniel A. Lewis.

The Cohens will take the students to the Museum of Tolerance in Los Angeles in June.

This is the third annual presentation of the awards.

The entire Class of 2010 submitted essays to the Cohens, writing about the greatest moral dilemmas they'd ever faced and how they were resolved.

The Cohens said the submissions were entertaining and inspiring, making the judging very difficult.

"If you're not called up here, you nonetheless have inspired us and raised our optimism for the legal profession for the future," Bruce Cohen said at the presentation.

McCauley's essay recounted her internal struggle with telling the truth about her past indiscretions when applying to get into the Air Force, and risk not only being rejected, but bringing dishonor to three prior military generations of her family, or lying about her past and being admitted.

"We never realize the dark skeletons we have in our closets until we are asked to fill out a character and fitness report, asking everything from, did we ever pull someone's hair in the first grade to whether or not we took a sip of alcohol prior to the day we turned 21 to whether or not we had committed misdemeanors or worse felonies," McCauley wrote.

To read all of the essays, go to [www.law.asu.edu](http://www.law.asu.edu).

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## Adjuncts' generosity helps fund scholarship program for law students

By Janie Magruder

The generosity of nearly 30 adjunct professors at the Sandra Day O'Connor College of Law has prompted the creation of a new scholarship program that will reward deserving students with full in-state tuition.

The first two adjunct faculty scholarships have been awarded to Brian Barner, a second-year student from Peoria, Ariz., and Jue Wang, a first-year student from Qingdao, in northeastern China. Each will receive \$16,289 to help offset the cost of tuition and fees in the 2008-2009 academic year.

"I was just thrilled," says Barner, who has an undergraduate degree from Georgetown University. "My parents were able to pay for Georgetown, but they said, 'You're on your own after that.' It's a real help not to have to graduate with so much debt."

The program was funded by some of the college's 2007-2008 adjunct professors, who are judges and lawyers from the private and public sectors in Maricopa County. They include two Arizona Supreme Court justices, a former chief judge of the Arizona Court of Appeals, a former

chairman of the Arizona Board of Regents, the managing partners of two of the Valley's largest law firms and the managing partner of an international accounting firm.

The adjunct faculty members enhance the college's curriculum by teaching a variety of legal topics, including patent litigation, Arizona media law, evidence, health law, employment law, estate planning and many others. In exchange, they each receive an honorarium.

This year, 29 of them waived nearly \$80,000 in honoraria, which was made available to the college's dean, Patricia White, to use for guest speakers, school awards and the Adjunct Faculty Scholarship Program.

"The College of Law is particularly proud of the efforts and generosity of our distinguished adjunct faculty, and we are proud to establish these scholarships in honor of their contributions," White says. "We hope this is the first year of an annual tradition."

Gary Birnbaum, the college's associate dean for graduate studies and program development, has been an adjunct at the college for about seven years. He worked with White to establish the

scholarship program.

"It's another unique program designed to assist students who have outstanding academic credentials and perceived economic need," says Birnbaum, the managing director at the Phoenix law firm of Mariscal, Weeks, McIntyre & Friedlander. "We feel these scholarships are an appropriate means to recognize the contributions of the adjunct faculty members to the university in general, and the College of Law in particular."

Geoffrey Sturr, an attorney at Osborn Maledon, spends most weekends preparing for the Professional Responsibility course that he teaches every Monday night at the college. Despite the time commitment, Sturr says he has enjoyed the experience – especially getting to know his students – and he strongly supports the scholarship program.

"I think of waiving the honorarium as doubling the return on my investment," says Sturr, whose degree is from the UCLA School of Law. "I happily devote time to teaching because it is such a rewarding experience. It helps improve my knowledge and experience, and it gives me a chance to meet and get to know some very bright and talented students. And given the area that I teach, I hope I have an opportunity to leave a mark on young lawyers entering the profession."

Programs such as the new scholarship fund are needed to make it possible for more law students

to go into public-interest law or government work, Sturr says.

"Law school debt is affecting the choices people make in their professional lives," he says. "Anything that we, as professionals, can do to help students receive a legal education without accumulating too much debt is something we all should be doing."

Wang, who holds a bachelor's degree in law from Wuhan University in China, came to the United States in 2006 with her husband, Chunpeng Zhao, a doctoral-degree student at the School of Earth and Space Exploration. In addition to the expense of law school, Wang has survived the challenges of being a first-year law student with a significant language barrier.

"Our professors in China teach more about the theory of law, where here we get to actually read cases, so it's a big difference," she says. "It's a lot of pressure to be a second language learner and be at law school, but I feel excited to learn new things and to see myself improving."

Wang says the scholarship will help her with that pressure, too.

"It's kind of hard for me to pay out-of-state tuition, and it's a big help that I won't have to take out loans next year," she says.

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Brian Barner



Jue Wang

## Awards ceremony pays homage to ASU's 'Downtown Devils'

By Julie Newberg

Students at the Downtown Phoenix campus were honored recently at the Dynamic Downtown Devil awards for achievements in leadership, employment, service and social consciousness.

"Students who receive Downtown Devil awards truly embody ASU's commitment to excellence, access and impact," says Cassandra Aska, director of student engagement at the Downtown Phoenix campus.

The ceremony in April honored people such as Eichelle Armstrong, who won the Social Consciousness award. Armstrong led efforts for an all-inclusive higher education summit on female contemporary issues with Erica Schwartzmann (that also earned a Trailblazer award at the ceremony.) She organized a series of workshops on homelessness, titled "Mr. Roger's Neighborhood," and is president of the Tunnel of Oppression, a

project that examines issues such as racism and economic injustice.

Other award winners include:

- Zoe Coleman was named outstanding student leader. Coleman, a senior nursing major, lead the Student Nurses Association and promoted the organization amongst her peers, increasing membership by more than 50 percent. She also oversaw the Nursing Career Fair earlier this year, which brought in more than 300 nursing students to talk with health care employers. Because of her efforts, funds were awarded through ASU student government to send nursing students to the national Student Nurses Association annual convention. Coleman worked to collect holiday gifts for two adopted ASU families, and she organized a group of ASU walkers for the MS Walk on the Wild Side. Coleman also is an outstanding graduate from the College of Nursing & Healthcare Innovation.
- Michelle Campuzano received the Individual Achievement in Service award, which recognizes

leadership and service to ASU and the community. Campuzano is dedicated to service to others through activities such as volunteering with a foster youth group home, working with the Phoenix Fire Department Connection Program and organizing a walk-a-thon to benefit local domestic violence agencies. She also coordinated field trips, and organized scholarly events and activities.

- Ashley Payne, a programming assistant with the Department of Student Engagement, was named Outstanding Student Employee. As a tourism development and management major, Payne uses her knowledge of event planning to take on projects and apply her skills to her work. She also isn't afraid to work outside her comfort zone. Payne was cited for her positive, proactive and focused approach to work and her enthusiasm in taking on downtown projects such as coordinating the Inferno dodgeball tournament.

- The ASTRA (Arizona State Therapeutic Recreation Association) Student Club was honored as the outstanding student organization for

its involvement in community-based activities that enrich the lives of the disabled. Students from the club volunteer on an annual basis at Barrow Neurological Institute's "Day at the Lake," where patients enjoy a day of leisure and recreation with activities that are adapted to their needs. Club members also work closely with Special Olympics athletes and gain hands on experience in the field of adaptive recreation. The club helps promote the therapeutic recreation program at ASU, and it works closely with the regional professional Arizona State Therapeutic Recreation Association, giving members access to potential employers and peers.

Other students and groups were given Spark awards that recognize community contributions, leadership, entrepreneurship, work ethic and creativity.

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## Centennial professors Cardineau, Scott excel at teaching, community service

(Continued from page 1)

teaches business and law concepts that have ethical implications in the field, encouraging students to envision the future.

Though he primarily is a researcher, he is strikingly committed to training the next generation of scientists. He is devoted and enthusiastic in his teaching, and he brings experts from industry into the classroom and gives students advice on career development.

Scott's work focuses on adolescent minority girls, including a project she founded called CompuGirls that brings computer education to minority youths in the Phoenix area. Scott studies the sociology of childhood, race and gender issues in urban elementary

schools, and she also mentors a number of students in the DELTA doctorate project.

She encourages young women to become educators who create positive social and community change, and she emphasizes technology skills as a portal to lifelong learning and a successful career.

Cardineau has been at ASU five years, having worked as a researcher in the private sector for 20 years. He has 55 patents worldwide.

In addition to his appointment in the College of Liberal Arts and Sciences, he is a research professor in the Biodesign Institute and the Sandra Day O'Connor College of Law.

Scott joined the faculty of the Mary Lou Fulton College of Education two years ago, having been recruited from Hofstra University.

"The Centennial Professorship Award is truly a student award, and a tangible way that we students can give back to the deserving professors who truly hold teaching and community involvement in high esteem," Wu says. "ASU is quite blessed by professors who show a real joy in their profession. They profoundly influence our lives beyond just academic success."

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## 4 faculty named as new Regents' Professors at ASU

(Continued from page 1)

A brief description of the honorees' accomplishments includes:

- Lindsay, a professor in physics and chemistry, leads the Center for Single Molecule Biophysics in the Biodesign Institute. He is an international leader in the area of experimental physics and chemistry. He has made key contributions to the understanding of electron transfer in single molecules and to the science of nanotechnology.

- Ohlson, the W. P. Carey Chair of Accountancy, is internationally recognized for his analytical and empirical work on valuation, earnings changes and earnings capitalization. His research is central to the progress of modern accounting research and practice, and it has fundamentally changed how academics, analysts and auditors use accounting data in security valuation.

- Sankey is a professor of physics, and his research contributions relate to the development of theoretical physics approaches that calculate the electronic states of complex materials and molecular systems. His techniques have been highly influential in theoretical materials physics research around the world. They are applied by researchers to provide insight into the relation of atomic structure, electronic states and materials properties.

- Van Gelderen, a professor of English, is a leading scholar in the history of English syntax. She is internationally recognized as a leader in the branch of theoretical linguistics that seeks to explain language change. Her original work in linguistics has been groundbreaking, combining imagination and careful data analysis.

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## Garnero, McNamara construct new model of inner Earth

(Continued from page 1)

paradigm of the past few decades that the mantle is all one thing and well-mixed. The original model was composed of simple concentric spheres representing the core, mantle and crust – but Earth's inner layers aren't that simple.

Earth is made up of several layers. Its skin, the crust, extends to a depth of about 40 kilometers (25 miles). Below the crust is the mantle area, which continues to roughly halfway to the center of Earth. The mantle is the thick layer of silicate rock surrounding the dense, iron-nickel core, and it is subdivided into the upper and lower mantle, extending to a depth of about 2,900 kilometers (1,800 miles). The outer core is beneath that and extends to 5,150 kilometers (3,200 miles) and the inner core to about 6,400 kilometers (4,000 miles).

The inner Earth is not a static storage space of the geologic history of our planet – it is continuously churning and changing. How a mantle convects and how the plates move is very different, depending on whether the mantle is isochemical (made entirely of only one kind of material) or heterogeneous (composed of different kinds of compounds).

Garnero and McNamara's framework is based upon the assumption that the Earth's mantle is not isochemical. Garnero says new data supports a mantle that consists of more than one type of material.

"Imagine a pot of water boiling," McNamara says. "That would be all one kind of composition. Now dump a jar of honey into that pot of water. The honey would be convecting on its own inside the water, and that's a much more complicated system."

Observations, modeling and predictions have shown that the deepest mantle is complex – and significantly more anomalous – than the rest of the lower mantle. To understand this region, seismologists analyze tomographic images constructed from seismic wave readings. For 25 years they have been detecting differences in the speeds of waves that go through the mantle.

This difference in wave speeds provides an "intangible map" of the major boundaries inside the mantle – where hot areas are, where cold areas are, where there are regions that might be a different composition, etc. The areas with sluggish wave speeds seem to be bounded rather abruptly by areas with wave speeds that are not sluggish or delayed. An abrupt change in wave speed means that something inside the mantle has changed.

If the mantle is all the same material, then researchers shouldn't

be observing the boundary between hot and cold in the mantle as a super-sharp edge, and the temperature anomalies should also be more spread out. The abrupt change in velocity was noticeable – yet they didn't know what caused it.

Garnero and McNamara believe that the key aspect to this story is the existence of thermo-chemical piles. On each side of Earth are two big, chemically distinct, dense "piles" of material that are hundreds of kilometers thick: one beneath the Pacific, and the other below the Atlantic and Africa. These piles are two nearly antipodal, large, low-shear velocity provinces situated at the base of Earth's mantle.

"You can picture these piles like peanut butter," McNamara says. "It is solid rock, but rock under very high pressures and temperatures becomes soft, like peanut butter. So any stresses will cause it to flow."

Mineral physicists recently discovered that, under high pressure, the atoms in the rocks go through a phase transition, rearranging themselves into a tighter configuration.

In these thermo-chemical piles, the layering is consistent with a new high-pressure phase of the most abundant lower mantle mineral called post-perovskite, a material that exists specifically under high pressures that cause new arrangements of atoms to be formed.

Perovskite is a specific arrangement of silicon and magnesium and iron atoms.

"At a depth a few hundred kilometers above the core, the mineral physicists tell us that the rocks' atoms can go into this new structure, and it should happen abruptly," Garnero says. "And that's consistent with the velocity discontinuities that the seismologists have been seeing for decades."

These thick piles play a key role in the convection currents. Ultra-low velocity zones live closest to the edges of the piles because that's the hottest regions of the mantle because of the currents that go against the pile walls as they bring the heat up from the core. Off their edges exist instability upwellings that turn out to be the plumes that feed hot spots such as Hawaii, Iceland and the Galapagos.

"We observe the motions of plate tectonics very well, but we can't fully understand how the mantle is causing these motions until we better understand how the mantle itself is convecting," McNamara says. "The piles dictate how the convective cycles happen, how the currents circulate. If you don't have piles, then convection will be completely different."

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## Global Institute of Sustainability on Tempe campus puts ASU on 'green' path

(Continued from page 1)

to discourage use of plastic water bottles. Bathrooms are outfitted with timer-based faucets, which waste less water than those with motion detectors. Waterless urinals save 40,000 gallons of water per year, and the toilets feature a bi-valve system, providing two different flush water amounts depending on need.

Outside, water efficiency also is being supported by the use of native, drought-tolerant plants and an automated watering system.

On the roof sit six wind turbines, each capable of running 24 hours a day and providing up to 1,000 watts of electricity that will

flow into the APS grid. They are angled slightly downward to take advantage of updrafts along the face of the building and can turn at speeds of as little as 5 mph. The turbines, which operate most efficiently from 27 mph to 32 mph, are designed to withstand winds in excess of 120 mph.

"One of the primary purposes of the turbines is to educate," says Richard Lemon, project manager in charge of the GIOS building. "They provide an opportunity for us to think beyond traditional energy generation, and to look to alternative and sustainable forms that will steer us away from a petroleum-based economy."

The turbines currently are disconnected because of roof construction. When completed in June, the roof will have been raised 3 inches and filled with R30 fiberglass insulation. It also will feature solar panels, part of ASU's plan to install solar cells on many campus rooftops to provide between 4-7 megawatts of power on the Tempe campus.

GIOS will celebrate the grand opening of the renovated building May 14.

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## Researchers: Molecule may unlock bird navigation mystery

By Jenny Green

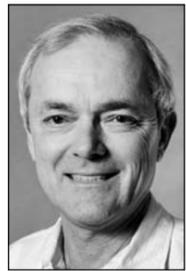
It has long been known that birds and many other animals – including turtles, salamanders and lobsters – use the Earth's magnetic field to navigate. But the nature of their global positioning systems (GPS) has not been completely understood.

One school of thought hypothesizes that birds use magnetically sensitive chemical reactions initiated by light (called chemical magnetoreception) to orient themselves, but no chemical reaction in the laboratory, until now, has been shown to respond to magnetic fields as weak as the Earth's.

Scientists from ASU and the University of Oxford, whose work appeared in the April 30 advanced online publication of the journal *Nature*, have synthesized and studied a sophisticated molecule that, under illumination, is sensitive to the magnitude and the direction of magnetic fields as tiny as the Earth's – which is, on average, one-twenty-thousandth as strong as a refrigerator magnet.

ASU's Devins Gust, a professor of chemistry and biochemistry in the College of Liberal Arts

and Sciences, says that "although the chemical magnetoreception mechanism for avian magnetic navigation has been discussed by many investigators, our research provides the first proof that this mechanism can actually function with magnetic fields as small as those of the Earth."



Devins Gust

Gust, who also is a faculty researcher in the Center for Bioenergy and Photosynthesis at ASU, says "the design, synthesis and a few initial magnetic field effect studies were done at ASU in the context of artificial photosynthetic solar energy conversion. The Oxford group, led by Peter Hore, professor of chemistry, realized that these effects might be relevant to chemical magnetoreception, constructed the extremely sensitive apparatus needed to observe the phenomena, and carried out the appropriate experiments."

Ten years ago, a National Science Foundation-sponsored research team at ASU led by Gust, Thomas Moore and Ana Moore, professors of

chemistry and biochemistry, synthesized a molecular "triad" and demonstrated that when the triad was exposed to light, it formed a short-lived, high-energy charge-separated species whose lifetime was influenced by magnetic fields.

The special molecules originally were synthesized as artificial photosynthetic reaction centers, being developed as chemical solar energy conversion systems. They were inspired by the way plants harvest sunlight and had nothing whatsoever to do with bird navigation.

A related triad molecule recently was synthesized by Paul Liddell, assistant research professional working with Gust and the Moores, and studied by Hore and coworkers at the University of Oxford. The British researchers used lasers that sent out pulses of light lasting only one-thousand-millionth of a second to investigate the molecular properties. A major problem was to shield their experiments from the Earth's magnetic field.

The wonder molecule comprises three units (a carotene-porphyrin-fullerene triad). When excited by light, the triad molecule forms a charge-separated state with the negative charge on the soccer-ball-like fullerene (or "buckyball")

portion and the positive charge on the rod-like carotene portion.

The lifetime of the charge-separated species before it returns to the normal state is sensitive to the magnitude and direction of a weak magnetic field, similar to that of the Earth.

The triad molecule, in its charge separated state, could be thought of as having little bar magnets at either end – so far apart that they interact with each other only weakly.

Gust and Liddell were joined in this research by Kiminori Maeda, Kevin Henbest and Christiane Timmel of the University of Oxford's inorganic chemistry laboratory and Filippo Cintolesi, Ilya Kuprov, Christopher Rodgers and Hore of Oxford's physical chemistry laboratory.

"These results provide a clear proof of principle that the magnetic compass sense of migratory birds is based on a magnetically sensitive chemical reaction whose product yields and rate depend on the orientations of the molecules involved with respect to the geomagnetic field," Hore says.

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## ASU experts lend answers, testimony to Capitol Hill issues

By Chakris Kussalanant

Policy-makers in Washington D.C. have been relying on ASU experts for answers and options on a number of pressing issues, ranging from space aeronautics to security and international sanctions.

"ASU's rise in national prominence has had the positive benefit of being asked to be at the table as key issues of our time are being discussed and debated," says Stuart Hadley, the university's assistant vice president for policy affairs and executive director of federal relations. "ASU has seen a significant growth in the number of invitations being extended to provide expert testimony at various congressional hearings."

According to Hadley, aside from the different ongoing communications between ASU and the state's congressional delegation, congressional hearings are an excellent venue to showcase the university's key areas of expertise.

Just how ASU is making an impact in Washington, D.C., is exemplified in the following hearings featuring university faculty and staff:

- On March 12, ASU's vice president of global engagement, Anthony "Bud" Rock, testified before the House Science Committee on the issue of international science and technology collaboration.

- On April 8, associate professor Orde F. Kittre from the Sandra Day O'Connor College of Law testified before the Senate Finance Committee at a hearing involving Iranian sanctions.



Following an April 24 hearing on Capitol Hill about the federal acknowledgment process, U.S. Sen. Byron Dorgan (D-N.D.), center, poses with members of the Indian Legal Clinic at the Sandra Day O'Connor College of Law. Those members include, from left, students Jerome Clarke, Chia Halpern and Sebastian Zavala, Sen. Dorgan, Patty Ferguson-Bohnee, the clinic's director, and students Alejandro Acosta and Tana Fitzpatrick.

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- On April 24, associate professor of biodesign Cheryl Nickerson testified before the House Science Subcommittee on Space and Aeronautics at a hearing about the international space station.

- On April 24, associate instructional professor Patty Ferguson-Bohnee from the College of Law testified before the Senate Indian Affairs Committee on the topic of "federal acknowledgment process."

- On April 30, associate professor of civil and environmental engineering Eric Williams from the ASU School of Sustainability testified before the House Science Commit-

tee at a hearing titled "E-Waste: Can the Nation Handle Modern Refuse in the Digital Age?"

Late last year, Regents' Professor Robert Cialdini and Adrian Sannier, vice president of ASU's University Technology Office, also testified before the House Science Committee on issues involving social sciences' role in the energy challenge, and the role of technology in reducing illegal file sharing.

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## Public speaking course redesign boosts students' confidence, ability

By Matt Crum

It's a class that strikes fear in the hearts of countless college students: public speaking.

It's also a class that hundreds of students from several majors at ASU's West campus are required to take each year, and it's being redesigned with help from a grant from the Arizona Board of Regents and coaching from the National Center for Academic Transformation.

"We're separating the lecture and practice components of the public speaking course to help students get more out of each component," says Meg McConnaughy, faculty director of public speaking in the Communication Studies Department, part of ASU's College of Human Services.

The previous model for the course – CMN 225: Public Speaking – involved a single instructor conducting lectures while also assigning and critiquing speech assignments. Under the new pilot model, about 80 students meet once a week in a lecture section taught by McConnaughy. The group is then split into four smaller "lab" sections, in which students meet weekly to practice, deliver speeches and receive audience feedback.

"In these small lab sections, students are engaged in practicing different types of public

speaking on a more consistent basis throughout the semester," says McConnaughy, whose expertise has been noted in recent articles about public speaking by the *New York Times* and the *Chronicle of Higher Education*. "We can quickly identify students who may be struggling with issues such as public speaking anxiety, and as a team help struggling students manage anxiety issues. Also, we can be more flexible in working with a variety of student learning styles and motivations."

The redesigned version of CMN 225 includes an innovative feature: the use of highly trained junior- and senior-level students as teaching assistants in the lab sections. Students chosen to be teaching assistants must meet several criteria, including having spent at least two semesters mentoring students in the West campus's public speaking lab, the Communication Assessment and Learning Lab (CALL).

Teaching assistants undergo extensive training to ensure consistency in speech evaluation, stages of mentoring and classroom management techniques for their lab sections. Each lab section is staffed by two teaching assistants.

"The teaching assistants working with me this semester are doing an outstanding job," McConnaughy says. "Their work is accurate and effective, and they have established a rapport with students in their lab sections. This helps them to provide positive feedback while also highlighting areas in which students need to improve their speaking skills."

"Serving as a teaching assistant has been an amazing opportunity and a positive learning experience for me," says Matthew Starr, a senior majoring in Life Sciences with a minor in Communication Studies. "I've had the chance to help students improve their public speaking skills while I grow as a professional."

Through the course redesign, McConnaughy's lecture section has become more focused. Because she doesn't have to spend time evaluating every student's speeches, she can test the students more frequently with short quizzes, encouraging them to be more regularly engaged with the course material.

Students in the lecture section use electronic "clickers" to complete class activities and quizzes, so they receive immediate feedback about their progress.

"If several students are struggling with a particular concept, I find out about it right away, and I'm able to move quickly to address the problem," McConnaughy says.

The process of redesigning CMN 225 is being funded through a \$41,000 grant from the Arizona Board of Regents' Learner-Centered Education program. The grant connects faculty projects such as McConnaughy's with the expertise of the National Center for Academic Transformation (NCAT), an independent nonprofit organization that provides leadership in using information technology to redesign learning environments to produce better learning outcomes for students at a reduced cost to the institution.

"About 500 people from all three state universities attended the initial orientation we held to introduce NCAT's model for course redesign," says Maryn Boess, grants program manager for the Arizona Board of Regents, which contracted with NCAT to improve learning outcomes in large-enrollment undergraduate courses. "We ultimately selected 13 projects for funding, and this is the only one focusing on a public speaking course."

The 13 projects are operating within a time-tested course redesign model that NCAT has employed across the country, Boess says. Results from the process will serve as a model for course redesign projects at ASU, the University of Arizona and Northern Arizona University.

Delivering the redesigned public speaking class will cost the Communication Studies Department less money per student than the previous version of the course.

"This cost saving will help us on multiple levels," says department chairman Jeff Kassing. "Not only will CMN 225 do a better job of teaching public speaking skills and concepts, but we can use the monetary savings to increase course offerings elsewhere in the department. This is especially helpful in this time of limited budgets."

More information is available at [http://chs.asu.edu/comm\\_studies](http://chs.asu.edu/comm_studies).

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