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### Cronkite kudos

For the third consecutive year, students from ASU's Walter Cronkite School of Journalism and Mass Communication have finished first in the Society of Professional Journalists' highly competitive intercollegiate news contest.

Cronkite students won four first places in the Mark of Excellence Awards and were national finalists in three other categories. The students won in all of the major categories: print, television, radio and online journalism.

"We continue to be amazed by the extraordinary journalism our students produce each and every day," says Christopher Callahan, the Cronkite School's dean.

The Society of Professional Journalists (SPJ) received more than 3,400 entries in 39 categories, and the winners in each category from SPJ's 12 regions competed in the national competition. Cronkite students dominated region 11 with 51 awards, including 21 first-place winners.

SPJ will recognize the national winners and finalists Sept. 5 at its annual national convention in Atlanta.

The national winners and finalists from the Cronkite School include:

#### General News Reporting

National winner: Ryan Kost, "State Tries to Treat Hospital Violence."

#### Radio Feature

National winner: Carolyn Carver, "Girl Scout Prison Program."

#### Television Breaking News Reporting

National winner: Erika Taillole, "Memorial Union Fire."

#### Best All-Around Independent Online Student Publication

National winner: JMC 494 Advanced Online Media, "Cronkite Zine: Spring and Fall 2007."

#### Television In-Depth Reporting

National finalist: Cronkite NewsWatch, "MU Fire Coverage."

#### Television News Photography

National finalist: Nikki Rowley, "Phoenix Graffiti."

#### Television Newscast

National finalist: Cronkite NewsWatch Staff, "Cronkite NewsWatch."

### ASU on the Web

The July selection of the Virginia G. Piper Center for Creative Writing's online book club will explore Jennifer Egan's novel, "Look at Me," a multifaceted portrait of a fashion model. Egan's novel invites readers to evaluate their most deeply held notions of identity, and challenges them to examine the price we pay for the furious pace of modern life. The book discussion group is free and open to anyone who loves to read. For more information, visit the Web site [www.asu.edu/piper](http://www.asu.edu/piper), or call (480) 965-6018.

To suggest a Web site to be profiled in *ASU Insight*, send the site address to [asuinsight@asu.edu](mailto:asuinsight@asu.edu).

## ASU solar installation sets tone for nation

By Karen Leland

ASU has awarded energy contracts to Honeywell Building Systems, Independent Energy Group and SolEquity to install 2 megawatts of solar electric modules on about 135,000 square feet of building rooftop space and some parking structures on its Tempe campus.

With this investment, ASU has reaffirmed its commitment to renewable energy through what will be the largest deployment of solar power infrastructure by any U.S. university. The installation will begin in August, with completion

scheduled for December.

The solar panels will meet up to 7 percent of the energy needs for ASU's Tempe campus. Two megawatts of electricity can run about 4,600 computers. There is no up-front cost for this installation, which will generate about \$425,000 worth of energy and reduce ASU's carbon emissions by 2,825 tons per year as compared to traditional energy generation in the state of Arizona.

The carbon reduction is equivalent to removing the annual emissions of 523 automobiles.

A study by ASU faculty and students in 2004 identified at least 330,000 square feet of roof space suitable for solar-based electricity generation on the Tempe campus alone. Because of the unprecedented expansion of new construction during the past few years, the roof space available for solar panels is now significantly larger.

ASU's solar energy plan now calls for the installation of up to 7 megawatts on the Tempe campus, with additional installations on ASU's other campuses over the next several years.

"These large-scale solar installations demonstrate ASU's commitment to achieving carbon neutrality through on-site renewable energy generation coupled with extensive investment in energy efficiency and conservation" says ASU President Michael Crow. "Long-term, ASU's integrated research programs and business practices seek to transition energy markets away from fossil-based fuels toward advanced technologies that are economically competitive and environmentally benign."

(See ASU'S on page 7)

## We are the champions

The ASU women's softball team returned home June 4 sporting the title trophy as the top team in the nation after winning five games in row at the NCAA Women's College World Series in Oklahoma City. Several hundred Sun Devil fans, including the young girl pictured below, were on hand to greet the players and coaches when they returned to Farrington Stadium, located on ASU's Tempe campus. It's the Sun Devils' first-ever NCAA softball title. The Sun Devils, who also won the Pac-10 regular-season crown, finished the season with 66 victories against just five losses.

TOM STORY PHOTOS



ASU's Kevin McGraw is part of a team of researchers who artificially colored the breast feathers of male barn swallows, such as the ones pictured here.

## Colorful males rule the roost, bird study finds

By Skip Derra

In the world of birds, where fancy can be as fleeting as flight, the color of the bird apparently has a profound effect on more than just its image. A new study of barn swallows reveals it also affects the bird's physiology.

A team of researchers, including one from ASU, found in an experiment that involved artificially coloring the breast feathers of male barn swallows the testosterone levels of the manipulated birds soared in a short period of time. The jump in testosterone, recorded after one week, was unexpected because it was observed at the time in the breeding cycle when levels of sex steroids such as testosterone typically are declining.

"The traditional view is that internal processes of birds determine their external features – in other words, physiology forms the feathers," says Kevin McGraw, an assistant professor at ASU's School of Life Sciences. "But our results indicate that a perceived change in the color of an animal

(See COLORFUL on page 7)

## Personalized medicine initiative targets lung cancer

By Joe Caspermeyer

A U.S.-based personalized medicine initiative led by scientists from the Biodesign Institute, Translational Genomics Research Institute (TGen) and Seattle's Fred Hutchinson Cancer Research Center has secured its first major international collaboration with the government of Luxembourg.

The Partnership for Personalized Medicine, formed last fall with funding support from the Virginia G. Piper Charitable Trust and Flinn Foundation, will explore the development of novel

diagnostics for lung cancer.

The goal of the Luxembourg lung cancer project is to advance research in personalized medicine by pursuing research projects to develop molecular diagnostics for specific diseases. These research projects center on the selection and validation of biomarkers to more effectively di-



George Poste

agnose and manage disease from early detection through therapeutic follow-up.

"The focus on lung cancer came to the forefront of our efforts because it is currently the leading malignancy," says George Poste, director of the Biodesign Institute. "To make the greatest impact, it is imperative that we find diagnostic markers that can more accurately predict the success of treatment regimens for improved patient care and outcomes."

Poste notes that lung cancers are notoriously difficult to treat, with most patients failing to re-

spond to their first therapeutic regimen, resulting in highly expensive (\$40,000-\$100,000 each) treatments with an initial success that can be as low as one out of every 10 patients – and, in best-case scenarios, 40 percent.

The Luxembourg project will focus specifically on lung cancer, for which there are no reliable tools for early detection, and for patients with advanced disease with virtually no known cures.

The project also will seek to demonstrate that earlier detection and

(See U.S.-BASED on page 7)



## Manning to lead student media efforts at ASU

Jason Manning, political editor of [washingtonpost.com](http://washingtonpost.com), one of the nation's leaders in digital media, is moving west to become director of student media at ASU.

Manning will direct the *State Press*, the university's independent campus daily with a circulation of 17,000; the ASU Web Devil, the online operation of the *State Press*; the weekly *State Press Magazine*; and Channel 2, a student-operated campus cable TV channel.



Jason Manning

He also will teach as a faculty associate at the Walter Cronkite School of Journalism and Mass Communication.

James Rund, vice president for university student initiatives, which oversees student media, says Manning is a perfect fit as the news media continues to evolve into converged, multiple-platform delivery systems.

"In a rapidly changing and increasingly competitive world, it is important that we provide our students with high-quality learning experiences," Rund says. "In the case of journalism, it is paramount that we match the applied experience with the growing quality and stature of the Cronkite School. With the appointment of Jason Manning to director of student media, we intend to do just that: to raise the quality, broaden the reach and integrate the portfolio of student media."

Manning has a deep background in digital media. Since January 2006, he has served as political editor for the *Washington Post* Web site, supervising teams of reporters, videographers, producers, bloggers and interns. [washingtonpost.com](http://washingtonpost.com) is third among all U.S. newspaper Web sites in usage, behind only the *New York Times* and *USA Today*.

Before joining [washingtonpost.com](http://washingtonpost.com) in January 2006, Manning was an editor for the Web site associated with "The NewsHour with Jim Lehrer," focusing on national and political news. He also was education Web producer for *U.S. News & World Report* and an editor at America Online.

He is a graduate of the University of Florida's College of Journalism and Communications, and holds a master's degree in history from George Mason University. He starts as student media director next month.

## ASU Research Magazine: Best in the nation

By Debra N. Fossum

*ASU Research Magazine* has won the gold medal as the best university research magazine in the United States. The award was presented as part of the 2008 Circle of Excellence program sponsored by the Council for Advancement and Support of Education (CASE) based in Washington, D.C.

"We've won a lot of gold, silver and bronze medals from CASE in past years for illustration, design and individual writing, but this is the biggest award our magazine has ever won in my 23 years as editor," says Conrad J. Storad, director of ASU Research Publications.

Storad and his staff are reveling in the fact that they produce the very best research magazine in the country, but they're not stopping there. To date, staff members at Research Publications have won 28 awards for their work in 2007-2008 alone. The honors come from six different regional, national and international professional communication organizations.

In May, staff members brought home three Silver Communicator Awards of Distinction from the International Academy of the Visual Arts based in New York. The Award of Distinction is presented to projects that exceed industry standards in quality and excellence.

ASU's winners include:

- Best Educational Institution Magazine – *ASU Research Magazine*.
- Feature Articles – "The Art of Leaving" by Melissa Crytzer Fry.
- Feature Articles – "Saguaro's End" by Adelheid Fischer.

Storad's staff also went eight-for-eight in the 2008 Cactus Quill awards program sponsored by the Tucson chapter of the International Association of Business Communicators (IABC). The competition was open to professional communicators from across Arizona.

ASU's 2008 Cactus Quill award winners were in the following categories:

- Magazine – *ASU Research Magazine*.
- Magazine Design – *ASU Research Magazine*.
- Electronic Communication/Web Site – ASU Research e-Zine.
- Writing – "Cosmic Playground" by Diane Boudreau (*ASU Research Magazine*).
- Writing – "Fuels of Green" by Diane Boudreau (*ASU Research Magazine*).
- Writing – "The Art of Leaving" by Melissa Crytzer Fry (*ASU Research Magazine*).
- Illustration – "Taking Leave" by Michael Hagelberg (*ASU Research Magazine*).

## Lodestar Foundation unveils \$250,000 Collaboration Prize

By Amy Cox O'Hara

The Lodestar Foundation, an organization dedicated to maximizing the impact of philanthropy by leveraging philanthropic resources, has announced its Collaboration Prize, a \$250,000 award to recognize nonprofit collaborations that achieve exceptional impact and significantly eliminate duplication of efforts.

Nominations for the prize began June 1 and will be accepted through July 21. The winning collaboration from a pool of eight finalists will be announced March 6 at the ASU Lodestar Center for Philanthropy and Nonprofit Innovation's 11th annual Forum on Nonprofit Effectiveness.

The annual prize, created by the Lodestar Foundation, is funded by the foundation in association with the Arizona-Indiana-Michigan (AIM) Alliance, of which the

ASU Lodestar Center for Philanthropy and Nonprofit Innovation is a member.

The prize, which is designed to inspire cooperation among nonprofits, will be awarded to one collaboration that demonstrates that it has achieved exceptional impact and significantly eliminated the duplication of efforts through programmatic collaborations, administrative consolidation or other joint activities.

The collaboration must be composed of two or more organizations that otherwise would compete for clients, financial resources and staff.

The \$250,000 prize must be used for charitable purposes, such as enhancing the winning collaboration's continued service to its constituents or clients.

"A core mission for the Lodestar Foundation is to create financial and programmatic

efficiencies among nonprofits, making sure philanthropic dollars achieve their maximum impact," says Jerry Hirsch, Lodestar Foundation chairman. "The Collaboration Prize is an excellent way to reach this goal."

The prize recipient will be chosen by a final selection panel, which will be chaired by Sterling Speirn, president and chief executive officer of the W. K. Kellogg Foundation, and will include representatives of the nonprofit and business worlds, as well as representatives of AIM.

A full list of eligibility requirements and nomination details can be found at the Web site [www.thecollaborationprize.org](http://www.thecollaborationprize.org).

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



TOM STORY PHOTO

Conrad Storad, director of ASU Research Publications, poses with some of the hardware he and his staff took home from the 2008 Circle of Excellence program sponsored by the Council for Advancement and Support of Education based in Washington, D.C.

*Research Magazine*).

- Illustration – "Filling Green" by Michael Hagelberg (*ASU Research Magazine*).

Hagelberg, the art director on Storad's staff, also won national recognition from the University and College Designers Association for his outstanding illustration work. His original art was displayed as part of an international exhibit in Toronto, Ontario.

Other new awards won for the Research Publications' trophy case this year include three Silver Quill Awards from the IABC Southern Region, three silver medals and one bronze medal from CASE District 7 (which includes competition from professional communicators working at colleges and universities in seven western states) and six IABC/Phoenix Copper Quill Awards.

"Our research publications team is second to none," says Rick Shangraw, ASU's vice president for research and economic affairs. "They are committed to communicating ASU's research in compelling and creative ways, and their approach keeps achieving results and earning recognition."

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## Survey shows internships boost students' job prospects

By Sarah Auffret

College students who seek out career-related internships during their undergraduate years have an easier time finding jobs after graduation and earn higher starting salaries, according to a survey of ASU's December graduates.

About 82 percent of survey respondents who received offers reported that internships helped them get their first job out of college. The average salary offer for undergraduate internship recipients was \$45,411, while those without internship experience had an average salary offer of \$43,855.

"Internships give students additional contacts in the professional world and help them become a known quantity to employers," says Elaine Stover, interim director of ASU Career Services, which conducted the survey last November, just before December's graduation ceremony. "Students with internships also are in a better position to evaluate businesses, and to make more informed career decisions."

Seventy percent of the 1,621 respondents – who comprise about a third of the December graduating class – had received at least one job offer before graduation.

The survey also found that 86 percent of the graduating seniors accepted jobs in Arizona, even though they may have grown up elsewhere. Nine out of 10 students had career-related experience.

Among the undergraduate majors with more than 10 students

reporting job offers, computer systems engineering students had the highest average offer, at \$59,985. Next were general building construction majors (\$58,415); electrical engineering (\$58,010); nursing (\$54,477); computer information systems (\$52,769); and supply chain management (\$51,013).

Salaries for other majors with a high number of undergraduates reporting offers were civil engineering (\$48,961); finance (\$45,155); accountancy (\$43,907); communication \$42,253; interdisciplinary studies (\$37,226); and elementary education (\$30,268).

The highest average job offers reported were received by doctoral students in electrical engineering, with an average offer of \$99,563.

Reflecting changes in gender parity, women's salary offers were somewhat higher than men's salaries in general building construction, electrical engineering, nursing, interdisciplinary studies and supply chain management.

They were comparable in civil engineering and computer systems engineering, while male accountancy graduates earned slightly more.

The survey was conducted with assistance from the ASU Institute for Social Science Research. Results from a survey of May graduates will be available later in the summer.

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## ASU Insight

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**Deadlines:** Submit all articles, notices and calendar items as early as possible.

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## Attention to students nets Marshall ASU honors

By Steve Des Georges

Pamela Marshall, an assistant professor in ASU's New College of Interdisciplinary Arts and Sciences, has won the Faculty Achievement Award for Excellence in Student Mentoring for doing what she says is the "hallmark" of her teaching focus: mentoring students in her research lab, treating students as individuals and developing the next generation of critical thinkers in the science field.

The award is presented annually by Elizabeth D. Capaldi, ASU's provost and executive vice president. Faculty nominations are judged by Regents' Professors in each of 11 categories.

"We are proud of the many achievements of our faculty," Capaldi says. "This award was conceived as a way of celebrating the top intellectual contributions at ASU annually."

"Pamela's work with her students is a wonderful and meaningful reflection of this university's commitment to its students. Her mentoring is tailored to the interests and academic strengths of her individual students and is the direct result of the countless hours she spends in the individualized mastery-learning environment she has created to bring out the best in each of her students."

Marshall came to ASU in fall 2003. She received her doctorate in biomedical sciences from the University of Texas Southwest Medical Center in 1996 after receiving her bachelor's in biological sciences from Southern Methodist University in 1991.

Marshall, a member of the New College's Department of Integrated Natural Sciences, focuses her research on the biogenesis and



ASU assistant professor Pam Marshall, right, has been honored with the Faculty Achievement Award for Excellence in Student Mentoring for her work with students such as senior life sciences major Belinda Miguel, left.

functions of the vacuole of the budding yeast, *Saccharomyces cerevisiae*.

"Undergraduate mentoring is the hallmark of my research endeavor and the focus of ASU's West campus life sciences major," she says. "My overall goal is to develop the next generation of critical thinkers in science fields. I pride myself on always asking the question, 'What is in the best interest of the students?' and developing research projects best suited for their needs."

"Through one-on-one interactions with undergraduate researchers, I am able to place my thumbprint on their soul."

One of those touched by Marshall is senior life sciences major Belinda Miguel. Miguel

has had the benefit of Marshall's attention in a genetics class, as well as a "Bridges to Biomedical Careers" course, the latter a program that championed diversity through the recruitment of minority community college students to engage them in research projects at ASU.

Miguel is now an undergraduate researcher with the MARC program (NIH-funded Minority Access to Research Careers Program).

"Her greatest strength is her understanding of her students," says Miguel, who says Marshall taught her not to give up in her educational career – and to follow her dreams, too. "When you have someone as understanding as Dr. Marshall, it makes your educational career a little bit easier, because unexpected things can occur. She has always been there for her students to listen to their concerns, both personal and educational."

Marshall, who has contributed to such renowned industry publications as *Cell Biology International*, the *Journal of Microscopy*, the *Journal of Cell Biology* and the *Journal of Microbiology & Biology Education*, says the interdisciplinarity of her research and teaching is critical to an overall understanding of any project.

One of her many grants is well-known and has been widely covered by the media. It's the so-called "DINS Lizard Project," which integrates life sciences undergraduate curriculum using a thematic organism – the common tree lizard – and developing, implementing and assessing inquiry-based lab exercises in the major.

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).

## 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.

ASU journalism professor **Mary-Lou Galician** says that, when it comes to television reality shows, what's edited out is often as important as what makes it on screen. "The mass media thrives on conflict and pushing the envelope," she says. "So somebody may be a very lovely, normal person and have two to three minutes of meltdown. Naturally, that's what the writers and producers want to portray." *Arizona Republic*, May 15.

As gas prices continue to rise, many retailers are wooing customers with prepaid gas cards and mileage discounts. Financial entrepreneurs also are dreaming up complex schemes to help consumers limit their "pump shock." "It's brilliant," says ASU economics professor **Dennis Hoffman**. "The marketing people have no recourse. They have to play into this." *Christian Science Monitor*, May 22.

The Mars rover Spirit has discovered deposits from ancient hot springs – a significant find in the ongoing search for signs of life on Mars. "We certainly haven't discovered life, but we have discovered a location that we can describe as potentially habitable sometime in Mars' ancient past," says **Steve Ruff**, an ASU faculty research associate. *Arizona Republic*, May 23.

A recent survey found that most U.S. students would fail if they were graded on their knowledge of Memorial Day. ASU professor **Michael Rubinoff** says details such as holiday origins are part of the minutiae of the subject, but he does wish more people would be enthused about the great events and people who shaped our culture. "I bemoan the fact that there are so many people who find history boring," he says. "People are getting killed by the thousands in wars, and there are fearsome presidential campaigns every four years. Not knowing about history puts someone, just to cope as a citizen, at a real disadvantage." *East Valley Tribune*, May 25.

Small living beings, such as insects, don't have brains or brawn to rely on, so they tend to rely on talent to survive. As a result, human engineers are tapping these creatures for inspiration. The American burying beetle, for example, "can find a dead mouse (which it eats and feeds, regurgitated, to its offspring) within an hour of its demise from two miles away," says **Quentin Wheeler**, dean of ASU's College of Liberal Arts and Sciences. "Think of the potential if we could mimic that for finding earthquake victims." *Newsweek*, June 9.

Reports that a UCLA surgeon performed four organ transplant operations on members of a Japanese crime syndicate have sparked a flurry of ethical debates among experts. "The fact that foreign nationals with money can get organs in the United States, and an American citizen – who might well be an organ donor himself or herself – without insurance or funds to pay for an organ cannot illustrate the hypocrisy of a system that pushes altruism of the donors," says **Joan L. McGregor**, an ASU bioethics professor. *ABC News*, June 2.

## Morrison School report helps Mesa map out future

By Chris Lambrakis

Compared to other Valley cities, Mesa has the largest percentage of high school graduates, is sixth in the percentage of households that are families and has a population with a median age of 32.4 years. These statistics and more were presented by the Morrison School of Management and Agribusiness during the Mesa Chamber of Commerce 2008 Economic Forecast meeting June 11.

The report was done to help understand how Mesa compares to other Valley communities in terms of demographic and economic composition and trends.

"The chamber felt that it would be useful base data for city, business and community leaders as they plan for the future development of the community," says Paul Patterson, dean of the Morrison School.

The study compared Mesa with eight peer cities in metro Phoenix, including Avondale, Chandler, Gilbert, Glendale, Peoria, Phoenix, Tempe and Scottsdale. Analysis was done using data from several federal, state, county and Morrison School studies and reports collected in 2000 and 2006, as well as projections for 2010 and 2030.

The report, completed by faculty and staff, analyzed types of households, mobility, population, education, employment, income, and home sales and affordability.

Employment findings in 2006 show that:

- The leading occupations were in educational services, health care and social assistance, with construction and retail following close behind.

- The size of the work force is the second-largest in the Valley.
- The median income falls in the bottom third percentile, compared to peer cities.

When it comes to education, Mesa has some of the best public and private higher education institutions, such as ASU's Polytechnic campus, home to the Morrison School; Mesa Community College, one of the largest community colleges in the country; and private institutions such as the University of Phoenix and A.T. Still University. Yet Mesa scores lower than peer cities for residents with bachelor's and graduate degrees.

"The quality of Mesa's public schools is reflected in the relatively large number of residents who have completed high school," Patterson says. "However, Mesa lags behind other East Valley communities in terms of the percentage of its residents that have completed college or other advanced degrees. This limits income levels in this community. For employment, the community is also reliant on construction and retail, which are strongly affected by cyclical economic conditions."

In a May 2007 report, Maricopa Association of Governments projected Mesa's employment for 2030 and has retail as the No. 1 employer, with significant increases in office and industrial based jobs as well. It also projected that, between 2005 and 2030, Mesa will experience a population growth of 17 percent.

The study was done as a service to the Mesa Chamber of Commerce. For the full report, visit the Web site [www.mesachamber.org](http://www.mesachamber.org).

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## In MEMORY

### Brown assisted formation of School of Public Affairs

By Julie Newberg

Brent Brown was an ASU visionary who will long be remembered for his dedication to students, the university and public service.

Brown, who joined ASU in 1972 as an assistant professor in political science, passed away May 24 after a long illness.

He was instrumental in the formation of the School of Public Affairs in the College of Public Programs.

"Brent Brown will always be remembered as one of the founders of what eventually became the School of Public Affairs," says N. Joseph Cayer, the Frank and June Sackton Professor of Public Administration in the School of Public Affairs. "He was tireless in his efforts to enhance the education of public servants. As a faculty member in the School of Public Affairs, he influenced the careers of countless students – many of whom became leaders in national, state and local governments, as well as nonprofits."

Brown served in many capacities throughout the university, including vice president of institutional advancement, assistant vice president of community relations and director of community relations. His most recent position was with Gov. Janet Napolitano as rural affairs policy adviser.

"Brent Brown served ASU and the entire state of Arizona with extreme dedication and commitment for many decades," says Robert Denhardt, director of ASU's School of Public Affairs. "He was untiring, fully engaged and always had a smile for those he worked with – a true public servant."



Brent Brown

Brown was known for his strong sense of integrity. "There have been few men like him, and there will be few men like him," says Larry Mankin, a friend and ASU colleague who knew Brown for close to 40 years. "He was someone who had great personal integrity. He had a great strong moral compass that never failed him."

Brown also foresaw what the university would become in future years, advocating for additional campuses in downtown Phoenix, on the west side and the far East Valley.

"He had really tremendous insight into what this university could be," Mankin says, adding: "ASU wouldn't be what it is today without Brent,

and the persuasiveness of his arguments and his ability to work with people. He was a visionary and superb problem solver."

Former ASU President Lattie Coor remembers Brown as an invaluable member of his leadership team.

"I had been away from Arizona for over three decades when I assumed the presidency of ASU," Coor says. "There was a lot about the state and the university I needed to learn. Brent was my guide, patiently accompanying me to meet legislators and other elected officials and briefing me for days on end about the background of the many issues before the university. For every personal introduction and every issue, he had a story, and it was those stories I remember most."

Brown was born Sept. 27, 1941, in St. Johns. He was a lifelong resident of Arizona who received his bachelor's degree from Brigham Young University, a master's from ASU and a doctoral degree from the University of Illinois. Brown is survived by his wife, Marilyn, six children and 11 grandchildren. Services were held May 31.

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# College of Law joins Barrett Summer Scholars program

*"The goal is to introduce gifted students and their parents to the Barrett life, and to help them become comfortable in the Barrett environment."*

– Jo Ann Martinez,  
coordinator of ASU's  
University Student  
Initiatives

By Janie Magruder

Gifted middle school students from across Arizona are coming to law school for the first time this summer, as part of a residential program conducted by ASU's Office of the Vice President for University Student Initiatives and Barrett, the Honors College.

Students in the Barrett Summer Scholars program will have the opportunity to take a mock trial course, "Jury Trial Advocacy: Perspectives on Legal Persuasion," on the Barrett campus and in the high-tech courtroom at the Sandra Day O'Connor College of Law. The three-week, residential program for exiting eighth- and ninth-graders began June 8 and will continue through June 27.

All 150 students, from as far away as the Navajo Reservation and southern Arizona, will be enrolled in a condensed version of Barrett's "Human Event" course, a humanities class which Barrett college students take as freshmen. In addition, they will choose from electives in four fields: engineering, biology, computer digital

animation and law.

The students will hear from heavy hitters in those fields – retired U.S. Supreme Court justice Sandra Day O'Connor spoke to the first scholars group two years ago – and take field trips to see what they learn in the classroom put into practice in the real world.

"The goal is to introduce gifted students and their parents to the Barrett life, and to help them become comfortable in the Barrett environment," says Jo Ann Martinez, coordinator of ASU's University Student Initiatives, where the Barrett Summer Scholars program is housed.

The law course was added this year at the suggestion of past students in the summer program, Martinez says. Enrollees will receive basic and advanced instruction in public speaking, rhetoric and oral persuasion and will prepare to participate in two full-length mock trials. They will learn to perform effective cross-examination, to tell stories through direct examination and opening statements, and to sway and inflame the passions of listeners during closing arguments.

The course also includes interaction with trial evidence and will cover topics such as hearsay, relevance and character.

"We know that many bright students aspire from a young age to become lawyers or to get into the law field, and we want to make sure they get a real and direct exposure to the field and help them determine if this is the right field for them," Martinez says.

The courses are taught by ASU faculty, staff, and graduate and undergraduate students. The law course will be taught by Jimmy Cool, a second-year law student who has had extensive experience with mock trial in high school, as an undergraduate and now at the College of Law.

"I've been doing mock trial for 11 or 12 years, and I've been coaching undergraduates for two to three years," says Cool, who has won two major mock trials, was a finalist in a third and has been honored by the American Mock Trial Association several times.

*Magruder, with the College of Law, can be reached at (480) 727-9052 or jane.magruder@asu.edu.*



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

## Meetings

### ■ Tuesday, June 17

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

### ■ Thursday, June 19

**Arizona Board of Regents**, 8 a.m.-5 p.m., Northern Arizona University. Continues 8 a.m.-5 p.m., June 20. Information: (480) 965-2222.

## Lectures

### ■ Friday, June 13

**"Safety Around the Tracks,"** noon-1 p.m., Biodesign Institute Auditorium. A Metro Light Rail official will discuss safety around the tracks. Information: (480) 727-0370.

### ■ Tuesday, June 17

**"Bickering – Backbiting – Clashing – Colliding ... Just Another Day at the Office: The New Paradigm for Today's Work Force,"** noon-1 p.m., the Mercado, ASU at the Downtown Phoenix campus, 502 E. Monroe St. Speaker: Linda Thompson, professional speaker, author and trainer. R.S.V.P.: [ASUlectures@asu.edu](mailto:ASUlectures@asu.edu) or (602) 496-1000.

### ■ Wednesday, June 18

**"Accelerating Research with Milliplex MAP Assays,"** 10-11 a.m., Biodesign Institute Auditorium. Speakers: Joie Trifilo, Multiplex Scientist, Millipore Bioscience Division; Dominick Andrada, Life Science Research Business Manager, Luminex Corp. Sponsored by Biodesign Institute. Information: (480) 727-0370.

### ■ Tuesday, June 24

**"High Blood Pressure and Women: A Guide to Risk Factors and Prevention,"** noon-1 p.m., the Mercado, ASU at the Downtown Phoenix campus, 502 E. Monroe St. Speaker: William Dachman. R.S.V.P.: [ASUlectures@asu.edu](mailto:ASUlectures@asu.edu) or (602) 496-1000.

## Miscellaneous

### ■ Friday, June 13

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

### ■ Tuesday, June 17

**"Job Search Strategies for New ASU Grads,"** 10-11:30 a.m., Student Services Building (SSV) room 329. Sponsored by ASU Career Services. Information: (480) 965-2350.

### ■ Thursday, June 19

**"Résumés and Cover Letters: Show 'em What You Got!"** 4:30-6 p.m., SSV room 329. Sponsored by ASU Career Services. Information: (480) 965-2350.

### ■ Friday, June 20

**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: <http://researchadmin.asu.edu/Training/workshops.cfm>.

### ■ Tuesday, June 24

**June Mixer**, 3-5 p.m., SSV Amphitheater. Sponsored by Career Services. Information: (480) 965-2350.

### ■ Wednesday, June 25

**"The Employment Interview: Be a STAR!"** 1-2:30 p.m., SSV room 329. Sponsored by ASU Career Services. Information: (480) 965-2350.

### ■ Thursday, June 26

**"That Different Yield,"** 7 p.m., Changing Hands Bookstore, 6428 S. McClintock Drive, Tempe. A public reading by the Young Adult Writing Project. Sponsored by the English Department. Information: (480) 965-7611.

## 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.**

### ■ Tuesday, June 17

**"My Fair Lady,"** 7:30 p.m., ASU Gammage. Starring acclaimed British theater actors Christopher Cazenove and Lisa O'Hare. Continues at 7:30 p.m., June 18-20; 2 and 7:30 p.m., June 21; 2 and 7 p.m., June 22.\*\*

### ■ Tuesday, June 24

**"Disney's High School Musical,"** 7:30 p.m., ASU Gammage. Continues at 7:30 p.m., June 25-27; 2 and 7:30 p.m., June 28; 1 and 6:30 p.m., June 29.\*\*

## 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.

Through Aug. 30, "Exploring Dreams: Images from the Permanent Collection." This exhibit presents artworks that echo 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. "Exploring Dreams: Images from the Permanent Collection" is made possible in part through an investment by IKEA, Changing Hands Bookstore, the ASU Art Museum Advisory Board

and the Friends of the ASU Art Museum.

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

Through Aug. 2, "Susan Beiner: Synthetic Reality." This ambitious, room-sized installation explores the artist's concerns of genetically altered foods, cloned animals and the hybridization of the material world. This exhibition is supported by the Independence Foundation and a Herberger College of the Arts Research & Creativity grant. Information: (480) 965-2787.

**ASU Gammage** – 1-4 p.m., Monday. Information: (480) 965-6912.

Through June 29, Photographs by Edward L. Davies, and museum-quality canvas and archival ink artworks by Cooper Downs.

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

Through Sept. 1, "Land of Fire, House of the Sun: Award-Winning Rock Art Photography." This exhibit features a stunning array of rock art photographs from the Coso Mountains in California.

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

Through June 30, "Two Generations of Photography." An exhibit by Ed Valinski Sr. and E. J. Valinski Jr. This father-son duo has traveled extensively throughout the Southwest. Their color and black-and-white prints capture buildings, people and places, as well as the past and present, for others to reflect on and appreciate.

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

Through Sept. 5, "Annual Juried MFA Summer Exhibition." This exhibit is open to all currently enrolled master's degree in fine arts students working in any media. Jurors are selected by the Gallery Exhibitions class from among regional arts museum and gallery directors and curators.

**Hayden Library Rotunda** – normal library hours. Information: (480) 965-6164.

Through Sept. 30, "Surveying Arizona: Select Photographs from the Arizona Historical Foundation Collection." For more than 100 years, Arizona has been surveyed and photographed from a variety of perspectives. This exhibit tells the story of its documentation through photographs selected from the more than 40,000 held by the Arizona Historical Foundation.

**Hayden Library Labriola National American Indian Data Center** – 11 a.m.-5 p.m., Monday-Friday and by appointment. Second floor, Hayden Library. Information: (480) 965-6490.

Through Aug. 8, "Pow Wow: Arizona and Beyond." In celebration of ASU's annual pow wow (held April 18-20 this year), the Labriola Center exhibits photographs from three pow wows.

## Defenses

**Aaron Hess**, PhD, Comm., 3:00 p.m., Jun. 17, STAUF A-431.

**Nicole Nieset**, PhD, Coun. Psy., 2:00 p.m., Jun. 19, EDB 430.

**Jessica Thompson**, PhD, Anth., 9:00 a.m., Jun. 20, SHESC 254.

**Wenfu Li**, DMA, Mus., 10:00 a.m., Jun. 27, MUSIC E-243.

## For ASU's Christie, learning is more than child's play

By Verina Palmer Martin

It's not surprising to see stacks of oversized children's picture books, colorful toys and a bright yellow Big Bird in ASU professor James Christie's office at ASU. This former kindergarten teacher has dedicated his life's work to the study of play.

Christie teaches courses in language, literacy and early childhood education in the Mary Lou Fulton College of Education's Division of Curriculum and Instruction. He recently received the Brian Sutton-Smith Lifetime Achievement Award from the Association for the Study of Play. The award recognizes his vastly respected work in this approach to early literacy.

Through his persistence in understanding how children learn language and literacy during playtime, Christie has published numerous articles, co-written books, edited college textbooks and lectured internationally on the role of play in learning.

"I've focused my research on how play contributes to children's early education. It's somewhat controversial. Some play purists think it's interfering too much with play," he says.

He strives to enrich children's play settings with academic content by developing play-based curricula. Educationally related play takes more planning and interaction by the teacher, Christie says, but the effort pays off.

His research has shown that children learn more about reading and writing with increased teacher involvement during playtime.

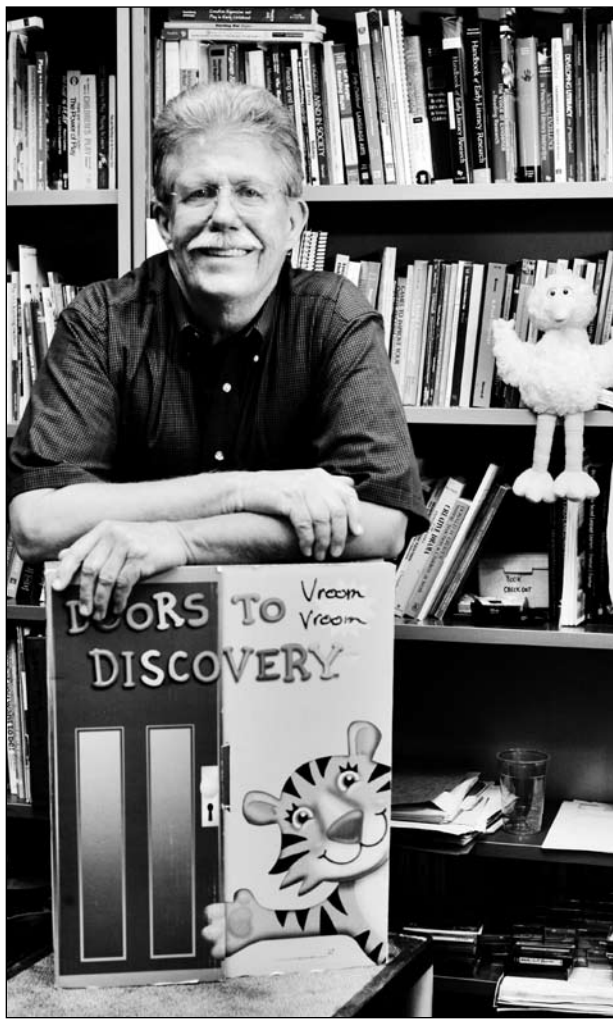
"I love watching kids play, and I try to figure out how to take advantage of it from an educational perspective," he says. "With just a little bit of planning and engineering by the teachers, we can enrich it. I really enjoy getting out and working with teachers. We're able to bring tremendous resources to the schools."

"Jim is a wonderful colleague, and his work in the study of play – and the development of play-enriched curricula – has significantly contributed to our understanding of ways to approach learning for young children," says Maryann Santos de Barona, interim director of the Division of Curriculum and Instruction. "He works tirelessly to provide professional development training for teachers who work with young children, particularly ESL preschool students."

Christie also is a co-director of the Mohave Desert Early Literacy Coalition Early Reading First project, a three-year, \$4.4 million project to improve school readiness for 280 culturally-diverse children in Head Start and Reading First programs in rural public schools. The program will implement Houghton Mifflin's play-based pre-kindergarten curriculum, *Where Bright Futures Begin*, in northwest Arizona schools.

For this project, he regularly travels to work with teachers in rural schools in Bullhead City, Mohave Valley and the Fort Mohave Indian Nation, which exhibit pervasive poverty and unemployment and more than a third of the students are English-language learners.

Santos de Barona says Christie and his colleagues developed an impressive collection of video clips to help these preschool teachers learn multiple strategies to teach core pre-reading skills.



TOM STORY PHOTO

**The Association for the Study of Play recently awarded the Brian Sutton-Smith Lifetime Achievement Award to James Christie, who teaches courses in language, literacy and early childhood education in ASU's Mary Lou Fulton College of Education. The award pays tribute to Christie's work in his approach to early literacy.**

"The techniques presented not only are very useful, but also highlight the many ways that children can be easily engaged in the learning process," she says.

Christie began teaching kindergarten in the early 1970s in Bakersfield, Calif., after getting his undergraduate degree in psychology from University of California Berkeley and his master's at Syracuse University in New York. He admitted with a chuckle that he only chose to attend Syracuse because it's where football great Larry Czonka played the gridiron, but there he was first exposed to Swiss cognitive psychologist Jean Piaget's theories on children's intellectual development and the relationship between play and cognitive development. Piaget's work became the foundation for constructivism, which argues that knowledge is internalized by the learner.

These theories supported what Christie noticed as a kin-

dergarten teacher: Children learn during playtime. He embraced the theory and infused reading and writing into play as he watched an escalating trend to shorten playtime in kindergarten.

"I became convinced that the kids were learning more in that one hour than any other part of the curriculum," he says. "If we don't make connections between play and the academic curriculum, play is going to disappear in preschools. My opinion is that the play gets better if you add reading, writing, math and other academic content."

In his early research career at the University of Kansas, Christie focused on children's play and its effect on cognitive and social development.

He later taught courses on elementary and early reading, but it wasn't until he came to ASU in 1988 that he finally could merge his two academic interests.

"Now I get some synergy between my research and my teaching," he says.

In 2000, Christie took a sabbatical to pursue science-based reading research, which has since dominated federal literacy programs under the No Child Left Behind Act. The movement uses the best scientific research to guide the teaching of reading, and Christie was caught up in the approach.

From 2003 to 2006, he was co-director of the \$3.5 million Arizona Centers of Excellence in Early Education (ACE3) Early Reading First project. He also helped write McGraw-Hill's "Doors to Discovery" play-based literacy curriculum, which was used in the project. The vocabulary-building program was tested in Somerton and San Luis, Ariz., where 95 percent of the children speak English as a second language.

"The curriculum connects play activities with books and makes play richer," Christie says.

In the "Build it Big" unit, for example, the teacher does shared reading using oversized construction-themed books with vivid illustrations of heavy equipment and construction tools. The books expand the children's vocabulary, introduce shapes, and emphasize safety. Wordless books and learning centers, where the children play at building a house, reinforce the use of the new vocabulary.

"This gave the children a wonderful opportunity to practice and consolidate the skills they were learning in the academic part of the program," Christie says. "It was really fun making this curriculum, and we tried it out very successfully."

Christie is publishing an article about the children's gains in vocabulary and alphabet knowledge using the curriculum with Karen Burstein of Southwest Institute. He also is working with Jay Blanchard, a professor in psychology in education, and Kim Atwill, a researcher at McREL (Mid-continent Research for Education and Learning), to follow the students through school to compare them with other children in traditional Head Start programs.

His expertise in play also has been sought by Fisher Price toys in development of interactive books, which were given to the children in his initial study.

He also worked as an educational adviser for *Sesame Street Magazine*, and in 2005 he met and worked with Big Bird while working as adviser for the children's television show.

Martin, with the Mary Lou Fulton College of Education, can be reached at (480) 965-4911 or [verina.martin@asu.edu](mailto:verina.martin@asu.edu).

## ASU unveils master's degree in social justice and human rights

By Matt Crum

People who aspire to apply social justice and human rights approaches to such issues as health, education, labor, international development, family welfare and the environment will gain a strong theoretical background and hands-on management skills through ASU's new master's degree program in social justice and human rights.

The program welcomes its first group of students to the West campus in August, when the fall semester begins. Inquiries from potential students have come from Arizona and across the United States as well as countries including Ethiopia, Pakistan, Nepal, the Dominican Republic and Kenya.

"This program is unique in course design and content," says William Simmons, the director of the new master's degree program.

Simmons is an assistant professor of social and behavioral sciences in ASU's New College of Interdisciplinary Arts and Sciences.

Students will choose from two tracks. Those pursuing the social justice and human rights research track will be prepared for careers requiring research skills in governmental and non-governmental agencies. Graduates from this track also are prepared for doctoral programs in the social sciences and law.

The non-governmental organization (NGO) management track combines coursework in social justice and human rights with practical training in nonprofit management. Graduates are prepared for leadership posi-

tions in the rapidly growing NGO sector.

"The need in this area is huge," Simmons says. "Statistics from 2006 show more than 12,000 charitable nonprofit organizations in Arizona, with the majority in Maricopa County. Social justice and human rights issues are major components of the mission of many of these organizations."

C. T. Wright lent his expertise to ASU professors who designed the new master's program. Wright is founder of the Light of Hope Institute, which promotes human rights around the world. He is the former president and chief executive officer of the International Foundation for Education and Self-Help, and the former president of Cheyney University in Pennsylvania.

"This program will provide students with the ability to conceptualize and analyze issues confronting civil society," Wright says. "Graduates will be equipped to plan, implement, manage and evaluate programs at local through international levels. They also will be prepared to conceptualize and write proposals, develop budgets and communicate with people from diverse backgrounds."

Simmons says much of the international interest in the new master's program comes from people already working for NGOs who want to improve their leadership and management skills. Working professionals will be able to come to metropolitan Phoenix for nine months (August to May) to complete most of the program. They can finish their degree requirements at their places of work, regardless of location.

While most courses in the program will be taught at the West campus, students also can take advantage of courses and resources offered by programs at other ASU campuses such as the Lodestar Center for Philanthropy and Non-profit Innovation, headquartered on the Downtown Phoenix campus, and the School of Justice & Social Inquiry on the Tempe campus.

"This is truly an interdisciplinary effort, with faculty involvement from all four colleges on the West campus and a tremendous spirit of cooperation among campuses," Simmons says.

Many courses will be solution-based, with students and faculty working together to address real-world issues that can change from semester to semester. For example, New College associate professor Julie Murphy Erfani has become familiar with an indigenous village in Mexico that is facing environmental impacts from a nearby mining operation. This fall, Murphy Erfani and students in her class will research the situation from political, historical and legal perspectives, with assistance from faculty members in a range of disciplines. The end result will be reports that students will present to the residents of the village, addressing actions they may wish to take.

Other courses will place students with local agencies, providing a benefit to those agencies while broadening students' knowledge base. Additionally, students will complete a course in grant writing, a skill Simmons considers indispensable for researchers and those employed in NGOs.

Students will work with faculty members to

design and complete a capstone project that draws on the knowledge and experiences they gain in the program. Capstone projects may include traditional theses, legal briefs, drafting of legislation or policy statements, developing strategic plans for community organizations, or public art projects.

"Adding this dynamic degree program is an exciting development for ASU," says Elizabeth Langland, dean of the New College.

Social justice and human rights is the second graduate degree offered by New College. It joins the master's degree in interdisciplinary studies, which enables students to design their own unique programs of study. After introductory graduate courses in interdisciplinary studies, models of inquiry for the 21st century, and critical thinking, these students move on to concentrations in applied arts, English language studies, digital media and visual cultures, nonprofit and civic leadership, women's studies and electives from the wide spectrum of disciplines in New College.

A capstone experience concludes the interdisciplinary studies master's degree program, which can be pursued on a full-time or part-time basis.

Details about these master's degree programs are available by visiting the Web site <http://newcollege.asu.edu/programs> or by sending an e-mail to [NewCollegeGrad@asu.edu](mailto:NewCollegeGrad@asu.edu).

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



## Senior's ad takes public service contest crown

By Maribel Pena

Tell people the facts.

That's the idea Joseph Clay developed to win first prize in the Public Service Announcements for International Disasters (PSAid) contest.

Clay, a graphic design senior, is the first student from ASU to place in the contest – or even become a finalist, for that matter. For his first-place finish in the print category, Clay received \$6,000 and could have the ad distributed nationally to newspapers and magazines.

This is the first year that the contest included a print category where students had to create an 8-by-10-inch ad to best illustrate PSAid's "Cash is Best" message. This message was created to help spread the word to reduce the amount of inappropriate donations.

Clay's ad can be seen at the Web site [www.psaaid.org/Prints/Images/24bc3519-e620-44c2-b447-31e8da54e28f.jpg](http://www.psaaid.org/Prints/Images/24bc3519-e620-44c2-b447-31e8da54e28f.jpg).

The ad featured a photo border of disaster victims and a mock-up of a nutrition facts label. The label highlighted key facts about the importance of cash donations, which directly help disaster victims, help eliminate transportation costs and help stimulate local economies.

PSAid is a public service announcement (PSA) contest for U.S.-based college and university students. It seeks entries of broadcast and print PSAs that explain the importance of international disaster relief and build support for international disaster relief work done by well-established, U.S.-based international disaster relief organizations.

PSAid is sponsored by the Center for International Disaster Information. For more information, visit the PSAid Web site [www.psaaid.org](http://www.psaaid.org).

*Pena, with Media Relations, can be reached at (480) 965-3502 or [maribel.pena@asu.edu](mailto:maribel.pena@asu.edu).*

## Future journalists hone skills at 2 ASU institutes

By Chakris Kussalanant

For two weeks, 36 high school students from across Arizona and the nation will meet with local media professionals to learn about the craft – and challenges – of producing news. It's all part of ASU's inaugural Summer Journalism Institute and the Summer Broadcast Institute, both outreach programs from the Cronkite School of Journalism and Mass Communication.

The students will work in two groups. Twenty of the students will be working with the *State Press* to design and publish a newspaper, while the remaining 16 will produce two broadcast projects with the help of Eight/KAET-TV staff and ASU's journalism faculty.

Students will receive hands-on training in the workshops, which are complemented with presentations by local professionals and faculty addressing industry issues, including ethics, opinion writing and business management.

"We hope the students take back their experience to their own high school journalism and media programs to help improve and also inspire fellow students," says Anita Luera, director of the High School Journalism Institute. "We also hope they will consider attending the Cronkite school after they graduate from high school."

Most of the 36 students participating in the two institutes are still juniors and seniors in high school, but many already have their sights on coming to ASU.

One of those students is Erica Rodriguez, 18, who graduated from Sunrise Mountain High School in Peoria this summer and has been accepted into the Cronkite School of Journalism and Mass Communication. She will begin coursework this August in the school's new

### Reynolds Institute makes way to ASU

From June 15-27, the Cronkite School will play host to one of three High School Journalism Reynolds Institutes conducted by the American Society of Newspaper Editors this summer.

About three dozen journalism advisers and teachers from across the country will spend these two weeks at the university in an intensive journalism training program.

building at the ASU Downtown Phoenix campus.

"Learning every day about journalism has really showed me that this is my passion, and that I really want to do this for the rest of my life," she says. "The experience of the institute has motivated me to be ready and put everything forward to achieve this goal."

Rodriguez wants to pursue a career in print journalism and hopes one day to become a columnist for *Newsweek*, *Rolling Stone* or *Vanity Fair*.

The Summer Broadcast Institute receives funding from the Arizona Broadcasters Association, the Scripps Howard Foundation and the Southwest Regional Chapter of the National Academy of Television Arts and Sciences, and the Cronkite School.

The Summer Journalism Institute receives financial support from the Arizona Newspapers Association, the Chauncey Foundation and the Cronkite School.

*Kussalanant, with Media Relations, can be reached at (480) 727-9181 or [chakris.kussalanant@asu.edu](mailto:chakris.kussalanant@asu.edu).*

## Emerging nonprofit leaders earn scholarships

By Amy Cox O'Hara

Three ASU American Humanics (AH) students have been awarded Next Generation Nonprofit Leaders Program (NextGen) scholarships.

Jessica Brzuskiwicz, Korbi Adams and Megan Pfeifer each will receive \$4,500 from NextGen as part of a multiple-year Kellogg Foundation Grant to American Humanics Inc. to support students across the American Humanics campus affiliate network.

The NextGen scholarships support costs associated with the students' senior internships in nonprofits.

- Adams, from Olympia, Wash., is interning with the Philadelphia Orchestra. Adams, who is the former American Humanics Student Association vice president of operations, parliamentarian and Ironman volunteer captain, is interested in education and community outreach for an orchestra.

- Brzuskiwicz, from Fountain Hills, Ariz., is

interning with the American Cancer Society of Portland, Ore. She is the former American Humanics Student Association department chair for fundraising, and she is interested in working in human services or community outreach.

- Pfeifer, of Chandler, Ariz., is interning as a development intern working on a major fundraising event with the Aperture Foundation in New York. She is the current American Humanics Student Association parliamentarian, and she hopes to work for an arts-based or faith-based nonprofit in fundraising or special events.

"The financial resources necessary to complete an unpaid or low-paying internship out of state is very challenging," says Stacey Freeman, senior program coordinator for ASU AH. "This scholarship helps bridge that financial gap – and, in turn, all three students were able to pursue an internship with an organization that they are passionate about."

Since the establishment of the NextGen program, ASU AH students have received \$45,000

in NextGen scholarships in support of their efforts. Nonprofits at which NextGen awardees have interned contributed \$24,600 in match monies, providing \$69,600 in total monies for these emerging leaders.

"Our AH students at ASU have competed most favorably for NextGen scholarships in the past and this round of awards is no different," said Robert Ashcraft, director of the Lodestar Center and professor of nonprofit studies in the university's School of Community Resources and Development. "Our students are of the highest caliber as they blend their passion for improving the social condition with core competencies in nonprofit leadership and management. The Kellogg Foundation is wise to invest in American Humanics students like Korbi, Megan and Jessica, because these are just the sort of change-makers our world needs."

*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

### ASU plays host to Teach for America institute

More than 600 recent college graduates from across the United States, including about 40 from ASU, will be in residence on ASU's Tempe campus June 15-July 17, participating in Teach For America's first Phoenix summer institute.

The institute is conducted by ASU.

Teach For America corps members will teach summer school at the Roosevelt and Agua Fria school districts in preparation for accepting positions as teachers next year in one of 29 urban and rural regions across the United States.

About 200 corps members will remain in the Valley and teach in Phoenix-area schools next year. Many of these teachers will begin a master's program in education at the West campus in the fall.

The Phoenix summer institute will kick off with a reception and welcoming ceremonies featuring Wendy Kopp, Teach For America's chief executive officer and founder, at 3:30 p.m., June 16, at the Orpheum Theater in Phoenix.

The corps members will live in Hassayampa Academic Village and attend classes in various locations on the Tempe campus. A team of more than 125 Teach For America Institute staff will coordinate the institute and teach afternoon and evening courses.

Teach For America received nearly 25,000 applications in 2007, with more than 3,700 top college graduates selected as corps members to attend one of the organization's six summer institutes in Atlanta, Houston, Los Angeles, New York and Philadelphia, in addition to Phoenix. More than 160 ASU graduates applied to Teach For America this year, a record 85 percent increase over the number of 2007 applicants.

### Biodesign Institute taps Saunders for post

The Biodesign Institute at ASU has named Stephen Saunders as director of planning and control for sponsored projects. In this role, he will oversee key financial controls and business planning for the institute.

"Steve's 25 years of experience in project management and process improvements will strengthen our systems," says Jeffrey Darbut, director of finance and operations at the Biodesign Institute.

Saunders has expertise in implementing enterprise resource planning systems that unify multiple data sources and processes into one system. He previously was a project management consultant with Northrop Grumman, assisting with implementation of a planning system for building ships for the Navy, and he also installed a financial reporting system for a large equipment manufacturer. Other assignments have included several positions as director of information systems.

Saunders earned a master's degree in business administration from the Rensselaer Polytechnic Institute in Troy, N.Y., and a bachelor's degree in astronomy and physics from Williams College, in Williamstown, Mass., where he graduated cum laude.

### Devils' Workshop seeks participants

Staff members who play an instrument, sing, write poetry or present performance art are invited to participate in the Devils' Workshop 2008, the second annual staff arts festival. Performances will take place at several lunch hours in July in Katzin Concert Hall and Organ Hall, with dates to be announced.

Also, artists who would like to demonstrate their art or craft are invited to give brief talks during lunch hours in July.

Artists who wish to sell their work are invited to participate in the 2008-2009 art sales, Nov. 19 and April 1, on Hayden Lawn. These two events, both from 10 a.m. to 4 p.m., are open to faculty, staff, students, alumni and their spouses.

For more information, contact Judith Smith at (480) 965-4821 or [jps@asu.edu](mailto:jps@asu.edu), or Mary-Beth Buesgen at (480) 965-7092 or [buesgenware@gmail.com](mailto:buesgenware@gmail.com).

### Native community earns Clean Air Award

The Gila River Indian Community is among 11 national winners in the Environmental Protection Agency's eighth annual Clean Air Excellence Awards.

The community's Department of Environmental Quality Air Quality Program was named tops in Regulatory/Policy Innovations for developing the first tribal air-quality management program.

The program, enacted by the Gila River Indian Community Council in December 2006, has been called a national model for tribes.

According to the EPA, the plan significantly reduces emissions by establishing regulatory requirements for stationary and area sources that didn't exist, and setting up three air-quality monitoring stations in the community, where concentrations of air pollutants are measured for comparison against national standards. The plan also contains a detailed preconstruction permitting program for non-major sources of air pollution that enables the community to regulate the construction and modification of such sources.

Pat Mariella, director of the American Indian Policy Institute at ASU, was executive director of the community's Department of Environmental Quality when the program was developed.

"I am thrilled that the department was selected for this national award," Mariella says.

### Weight Watchers offers summer session

Weight Watchers, in conjunction with the Employee Wellness Program, will offer a summer session that begins June 17 and ends Aug. 19.

Participants will meet in the College of Design (north building) room 64, from 11:45 a.m. to 12:30 p.m.

The cost is \$100 for the employee's initial 10-week session. Each additional 10-week session is \$90.

For more information, or to register, employees can attend any session.



# ASU's large-scale solar installations set tone for rest of nation to follow

(Continued from page 1)

Crow serves as chairman of the American College and University Presidents Climate Commitment, an organization dedicated to carbon neutrality that has nearly 600 signatories to date.

Under this new agreement, ASU contracts to buy the power generated on its rooftops at a set price for 15 years. The pricing takes advantage of federal and state tax credits, as well as incentive payments provided by Arizona Public Service as authorized by the Arizona Corporation Commission's Renewable Energy Standard Ruling.

"I congratulate Dr. Crow and ASU for establishing the university as the national solar leader," says commissioner Kris Mayes of the Arizona Corporation Commission. "Two megawatts of new distributed solar energy will help diversify Arizona's energy system, clean our environment and accelerate the growth of a solar energy in-

dustry in the state. These are the same objectives sought by the Corporation Commission when it passed the Renewable Energy Portfolio Standard in 2006."

Carol Campbell, ASU's executive vice president and chief financial officer, says this deployment illustrates ASU's aggressive moves to adopt sustainable practices throughout the university, with a goal of achieving carbon neutrality on its four campuses – including water and energy conservation, use of sustainable materials in all facilities, recycling and minimizing waste generation.

The Global Institute of Sustainability is the hub of ASU's sustainability initiatives. Its director, Jonathan Fink, says that "this investment decision, together with the recent awards of six significant solar energy research and development grants from the U.S. Department of En-

ergy, show that ASU has become a recognized national leader in solar energy. In addition, by requiring that the installations include the ability to collect, analyze, and display their performance data, the university is assuring that students, staff and the public at large will be able to track the amount of energy generated and used. As such, the system is a synergistic merging of research, economic development and education."

This announcement follows the recent decision by Arizona Public Service to build the largest solar thermal plant in the country.

"For the Sun Devils to become sun users is a sound business decision," says APS renewable energy manager Barbara Lockwood. "Importantly, ASU's leadership will have an impact on other large Arizona institutions and businesses considering similar installations. The more renewable energy customers produce, the better APS can

manage the extraordinary growth in energy usage throughout the state."

For the past 15 years, ASU has conducted the only photovoltaic testing laboratory in the United States.

"Arizona's industry, government, universities and the public are all waking up to the fact that we need to better utilize our abundant solar resources in as many ways as possible," Fink says.

Fink serves as an expert for the U.S. Scientists and Economists Call for Swift and Deep Cuts in Greenhouse Gas Emissions – a group of world-renowned scientists and economists that have convened to make a united appeal about the scientific and economic dimensions of climate change.

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# Colorful males rule the roost, researchers' bird physiology study finds

(Continued from page 1)

can directly affect its internal physiological state. A barn swallow's hormonal profile is influenced by its outward appearance."

The researchers reported their findings in the June 3 issue of *Current Biology*, in an article titled "Sexual signal exaggeration affects the physiological state in a social vertebrate."

In addition to McGraw, the authors are Rebecca Safran of the University of Colorado-Boulder, and James Adelman and Michaela Hau of Princeton University. This group has been studying the coloration and behaviors of barn swallows for several years.

"The experimental manipulation didn't just improve the males' looks in the eyes of the females," says Safran, the study's lead author. "It actually changed their body chemistry."

"The speed with which the internal qualities of the bird were affected by the plumage color manipulation was surprising to me," McGraw adds.

He says this suggests a dynamic system – one that "speaks to the complexity of sexual signaling systems and the way people should think about how phenotype interacts with physiology."

The new study is the first to show significant feedback between physical appearance and physiology in birds, and the findings have implications for better understanding the ecology and evolution of physical signals such as feather color, the researchers say.

In the animal world, sexual signals by males – from the antlers of elk to the gaudy tail feathers of peacocks – have evolved to convey honest, accurate information about the animal, McGraw says. Evolutionary biologists believe the top males in a population can afford the physiological costs of expressing the most exaggerated forms of sexual signals, such as a conspicuous dark feather color that is either biochemically costly to produce or makes those individuals more susceptible to predators, he says.

The new study has evolutionary implications for North American barn swallows, since their breast colors are used to convey status, health and the ability to raise young. A 2005 study by this same group, published in *Science*, showed male barn swallows that were "made over" with darker breast colors bred earlier in the season and fathered more young, and the females that chose them cheated less often with other male suitors.

In the new study, the researchers captured 63 male barn swallows from six colonies in New Jersey at the start of the breeding

season as the birds arrived and started forming pairs. The breasts of roughly half the birds were colored with a non-toxic marker to match the darkest, most attractive feathers of males within the population.

The marked birds were released back into the wild, re-captured a week later and administered blood tests to measure androgen levels, including testosterone. In addition to showing increased levels of androgens, the marked birds also lost weight, perhaps because they were more active than their "duller" neighbors, or simply couldn't measure up to the expectations of other barn swallows because of their "counterfeit" sexual signals, the researchers say.

"Increased testosterone levels are often associated with increased rates of activity and competition in animals, which might be why darkened birds lost body mass," McGraw says. "If there were social responses to the color changes we made to birds, they could come from either males or females. Whether colored males looked meaner to rivals or had increased self-esteem by looking fancier to females, we just don't know."

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# U.S.-based personalized medicine initiative takes aim at lung cancer

(Continued from page 1)

intervention can reduce health care costs. The initiative capitalizes on the efforts of the U.S.-based Partnership for Personalized Medicine (PPM), led by Fred Hutchinson Cancer Center director and Nobel laureate Lee Hartwell, and will develop use of new personalized, protein-based diagnostic tools.

"This is a tremendous first step, and it's exactly the right kind of project," says ASU President Michael Crow.

Crow says he believes that, if the project succeeds, it's a formula that can be repeated for other diseases – and an important demonstration of the type of "leapfrog strategy" that can help Arizona establish itself in the 21st century economy.

The cornerstone of the partnership is the creation of the Virginia G. Piper Center for Personalized Diagnostics that draws upon the scientific strengths of the state's leading bioscience entities: the Biodesign Institute and TGen.

Biodesign's role will primarily focus on using state-of-the-art instrumentation such

as mass spectrometry and bioinformatics approaches to analyze novel proteins expressed in lung cancer. The emphasis on identifying peptides and proteins that could be detectable in the blood stream will allow for earlier detection of this devastating disease.

In addition, identification of abnormal peptides may aid other cross-collaborative institutional efforts such as identifying potential immunization antigens for use in Biodesign colleague Stephen Johnston's cancer vaccine project. Last year, Johnston received a \$7 million award from the Department of Defense to develop a prophylactic cancer vaccine in collaboration with Mayo Clinic Arizona.

The lung cancer initiative was part of the government of the Grand Duchy of Luxembourg's ambitious plan to increase the pace of innovation based on cutting-edge research in the areas of molecular biology, systems biology and personalized medicine.

This plan will include formation of a centralized biobank/tissue repository, two major projects to further research in the field of molecular

biology, which is the cornerstone of personalized medicine, and a project to demonstrate the effectiveness of new diagnostic tests for earlier detection and treatment of lung cancer.

The collaboration consists of interrelated research initiatives that build on each other. They include the Partnership for Personalized Medicine (PPM) led by Hartwell, director, Nobel laureate in physiology or medicine in 2001 and president of the Fred Hutchinson Cancer Research Center in Seattle, Wash.; the Institute for Systems Biology (ISB), also in Seattle, led by Leroy Hood, president of ISB and co-founder of U.S.-based Amgen Inc.; ASU's Biodesign Institute, led by Poste; and the Translational Genomics Research Institute (TGen), led by Jeffrey Trent, president and scientific director of TGen and former scientific director at the National Human Genome Research Institute of the National Institutes of Health.

The public-private initiative is expected to serve as a model for other international collaborations among partners looking to share research and development costs and to gain access to each other's

information, networks and markets.

The Luxembourg collaboration was developed and negotiated in consultation with the global professional services organization, PricewaterhouseCoopers, and is built on an integrated approach that links research, education, health care and the economy.

"We thank the foresight and leadership demonstrated by the Luxembourg government," Poste says. "This model may serve as a driving force of innovation for the European Union, as well as U.S. health care."

The Luxembourg government is investing \$200 million in the initiative, with the hope that ultimately it will improve the health of its own people by increasing the ability to administer the right drug to the right patient at the right time and in the right dose. In addition, it seeks to accelerate the global pace and integration of biomedical research, education and commercial development around the world.

*Caspermeyer, with the Biodesign Institute, can be reached at (480) 727-0369 or joseph.caspermeyer@asu.edu.*

## EMPLOYMENT

The following positions are available as of June 13 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

##### Professional

- Academic Success Specialist** (O) #16929 – College of Liberal Arts and Sciences (June 20).
- Academic Success Specialist** (O) #17234 – Ira A. Fulton School of Engineering – Chemical Engineering (June 27).
- Academic Success Specialist** (O) #17111 – College of Liberal Arts and Sciences – Undergraduate Programs (June 20).
- Accountant** (O) #17113 – VP-Research and Economic Affairs (June 16).
- Accountant-Electrical Engineering** (O) #17186 – Ira A. Fulton School of Engineering – Research Advancement in Electrical Engineering (June 20).
- Assistant Coach Wrestling** (O) #17253 – Intercollegiate Athletics Administration (June 20).
- Communications Specialist** (O) #17069 – VP-Research and Economic Affairs (June 23).
- Coordinator** (O) #17187 – College of Liberal Arts and Sciences (June 19).

- Coordinator – K-12 Outreach** (L) #17173 – Ira A. Fulton School of Engineering (June 13).
- Coordinator Senior** (O) #17060 – College of Liberal Arts and Sciences (June 20).
- Electrical Designer (Capital Programs Management Group)** (O) #16959 – University Services (June 20).
- Manager Marketing & Communication** (O) #17232 – Ira A. Fulton School of Engineering – Office of Marketing and Public Affairs (June 27).
- Management Analyst** (O) #17058 – Residential Life (June 19).
- Management Intern** (O) #17063 – College of Liberal Arts and Sciences (June 17).
- Management Research Analyst** (O) #17176 – VP-Research and Economic Affairs (June 19).
- Mechanical Designer** (Capital Programs Management Group) (O) #17088 – University Services (June 20).
- Physician** (O) #16753 – Campus Health Service (June 27).
- Program Coordinator Senior** (O) #17201 – Public Events (June 18).
- Research Specialist** (O) #17078 – College of Liberal Arts and Sciences (June 17).

#### Technical and computer

- Technology Support Analyst Associate** (O) #17233 – University Technology Office-Administrative Technical Support (June 20).
- Web Content Communication Administrator** (O) #17258 – University Business Services-Applications & Planning (June 25).

#### Administrative support

- Secretary Administrative** (O) #17228 – College of Law (June 26).

#### Service/field craft/maintenance

- Instrument Maker** (O) #17158 – Chemistry & Biochemistry (July 2).

#### POLYTECHNIC CAMPUS

##### Professional

- Instructional Specialist** (O) #17080 – Department of Applied Biological Sciences (July 3).

- Instructional Specialist** (O) #17093 – Department of Applied Biological Sciences (July 3).
- Laboratory Coordinator Senior** (O) (part time) #17101 – (June 20; every week thereafter until search is closed).

#### Administrative support

- Office Assistant/Receptionist Senior** (O) (Part-time) #17135 – Aeronautical Management Technology (June 23).

#### WEST CAMPUS

##### Professional

- Academic Success Specialist** (O) #17260 – College of Teacher Education & Leadership (June 23).
- Instructional Specialist** (O) #17314 – Student Affairs (July 3).

#### Technical and computer

- Application Programmer** (O) #17000 – Center of Applied Behavioral Health Policy (June 20).
- Manager Information Technology** (O) #17005 – Center for Applied Behavioral Health Policy (June 20).

#### ACADEMIC POSITIONS

##### TEMPE CAMPUS

- Assistant Instructional Professional** #9171 – Mary Lou Fulton College of Education (July 11; every week thereafter until search is closed).
- Assistant Research Professional** #9169 – Biodesign Institute – Center for Applied Nanobioscience (June 30).
- Professor** #9170 – Sandra Day O'Connor College of Law (Dec. 1; every month thereafter until search is closed).



# Going Global

ASU's worldwide outreach has gained new momentum with the appointment of Anthony "Bud" Rock as the first vice president for global engagement. Rock and his staff have welcomed international visitors to ASU in recent months, and have begun forging new ties with universities and governments in Vietnam and Germany while continuing involvement with Latin America, China and Singapore.

## Cronkite School professor witnesses China quake tragedy firsthand

By Julie Newberg

Xu Wu was in his native country of China when a massive earthquake struck May 12. Wu has been there ever since, witnessing firsthand the horror and intense sorrow felt by the Chinese people after the tragedy.

"I knew many people who were affected by the quake, covered the quake or helped the quake victims," Wu says. "The images are unbearable. I cried three times over the past month."

Wu, an assistant professor in the Walter Cronkite School of Journalism and Mass Communication, is in China working on a dean's research grant for a project titled "China's Olympic PR & Crisis Management: A Case Study of Chinese Government's Crisis Management Skills Before, During and After the March 2008 Riots in Tibet."

After the earthquake, his work efforts expanded to encompass quake crisis management.

Wu was in one of the largest cities in China – Guangzhou – giving a lecture on crisis communications to students at Sun Yat-Sen University when the earthquake hit 800 miles away.

"From May 21 until now, I have been in Bei-

jing working with various media organizations, government agencies and research institutes on China's response to the magnitude 8.0 earthquake that killed more than 80,000 people and left more than 5 million people homeless," Wu says.



Xu Wu

China is still in the painful process of dealing with secondary disasters after the earthquake. The quake showcased many moving, heroic moments among the Chinese people, but it also exposed loopholes in the country's crisis response structure, risk communications and non-governmental organizational systems.

"The upcoming Olympics further complicated the recovery phase of the disaster relief, not only physically but also psychologically," Wu says. "It is a huge test to the Chinese government and to the Chinese people."

Wu originally went to China in March to assist with public relations in crisis management planning before the Beijing Olympics. He was

presenting a paper on the topic to journalism students and government officials at Tsinghua University when he first heard of violent demonstrations and riots that were spinning out of control in Tibet.

"It was not until two days later, when I landed in the United States, that the pictures and videos of those chaotic scenes began to surface on YouTube, BBC, CNN and then all the major media outlets in the world," Wu says.

He returned to China in May after receiving the dean's research grant and plans to come back to the United States in July.

His views on crisis communications have appeared in several newspapers and news magazines. Wu recently was interviewed by the New Yorker, the Wall Street Journal, the New York Times, the Chicago Tribune and Reuters. He is a regular contributor to the second largest daily newspaper in China, Global Times, and he has written for Oriental Outlook Weekly, China's equivalent to Newsweek. He has talked about China's crisis management during the earthquake on "Dialogue," China Central Television's English program that is broadcast worldwide. He also discussed the Olympics and China's public

relations efforts on Al Jazeera's English Channel and the BBC's "World Today."

Officials in China have benefited from Wu's lectures, training and consultation sessions about communicating with people from other countries and foreign media during a crisis. One of the challenges he has sought to overcome are common misperceptions among Americans about China.

Wu grew up in China and worked as a national correspondent for the national Xinhua News Agency before he resigned in 1997 and formed a public relations agency in Beijing. After deciding to pursue his graduate degree at the University of Florida, he stayed in the "swamp" for five years before joining the Walter Cronkite School of Journalism and Mass Communication in 2005. His research focuses on China's online media, international public relations, crisis management, political communication and mass communication theories.

His book, "Chinese Cyber Nationalism," was published by Rowman & Littlefield Publishing Groups in 2007.

Newberg, with Media Relations, can be reached at (480) 727-3116 or julie.newberg@asu.edu.

## Kader weighs in on religious freedom in Balkans

By Judy Nichols

Professor David Kader of ASU's Sandra Day O'Connor College of Law is visiting Bosnia and Herzegovina and Croatia this month as part of two events discussing freedom of religion.

The first, a two-week seminar that began June 3 in Sarajevo, is sponsored by the U.S. State Department and organized by the Melikian Center for Russian, Eurasian and East European Studies at ASU. In this trip, a group of about 10 Arizonans is visiting the war-torn region to share discussions on "Faith Communities and Civil Society."

The second event is a one-day conference on "Secularism and Religious Pluralism as a Prerequisite for Actual Democracy," in Zagreb, Croatia, organized by the Open Society Institute. Kader was scheduled to deliver the conference's plenary talk, titled "Religious Liberty in an Open Society."

Kader, who teaches "Religion and the Constitution" at the College of Law, said the Sarajevo seminar will include discussions of the role religion has played in the country's civil war and visits to all the major faith communities in the region, including churches, temples, mosques and schools.

"Bosnia has been through hell since the split, and a big source of the conflict is the religious differences: Eastern Serbian Orthodox, Catholic, Muslim, Jewish," Kader says.

Kader's discussion of "Religious Institutions and the Law" included a panel with Stephen Batalden, director of the Melikian Center; Zdravko Grebo, a professor of law at the Uni-



David Kader

versity of Sarajevo; and attorney Ahmet Zilic.

Kader has worked with the Melikian Center, speaking to delegations of religious leaders from Bosnia who have made two, two-week visits to Arizona in the past four years.

On those visits, Kader spoke to the delegations about "Religion and the Law in America," outlining the constitutional and legal conditions governing the free expression of religion in America.

David Brokaw, assistant director of the Melikian Center, says the group specifically requested Kader because it found his discussion on the First Amendment so important.

"During the wars in the 1990s, the country was split down religious lines," Brokaw says. "The goal is to facilitate and encourage dialogue."

Kader says he does not "lecture" to the delegations about how religion should be regulated by the state.

"It's too easy to be triumphal about the American experience with church and state," Kader says. "We have had extraordinary success. Our country's founders included a freedom of religion clause in the First Amendment of the Constitution. We're one of the more religious populations in the world, with more people engaged in religion than other countries."

"We've had enormous religious liberty and limited religious strife for the bulk of the American story."

But Kader says the American experience has had its shortcomings, too, particularly the way it has dealt with Native Americans and slavery, and it's not necessarily the best for all countries.

"I'm not certain it's a template for all societies," Kader says. "The American model may or may not be useful."

Nichols, with the College of Law, can be reached at (480) 727-7895 or judith.nichols@asu.edu.

## ASU expertise helps guide disaster relief efforts in Myanmar

By Joe Kullman

ASU is using its supercomputing capabilities to aid humanitarian organizations attempting to provide disaster relief to victims of Cyclone Nargis that hit the Southeast Asian country of Myanmar May 2.

ASU's High Performance Computing Initiative (HPCI), a part of the School of Computing and Informatics in the Ira A. Fulton School of Engineering, has established a Web site to provide aid organizations with up-to-date satellite images of conditions on the ground in Myanmar.

"The people planning relief efforts can use this data to determine if and how aid workers can gain access to areas where victims are," says HPCI director Dan Stanzione. "The imagery is sharp enough so that they could determine if aircraft could land in an area, if roads remain open or are blocked by debris or flooding, and if heavy equipment is needed to open those roads."

Recent reports estimate more than 130,000 people dead or missing in Myanmar as a result of the cyclone, with close to 2.5 million struggling to survive in the hardest-hit areas of the country.

HPCI is providing highly detailed "geospatial visualization" of Myanmar, using digital imagery provided by the U.S. National Geospatial Intelligence Agency satellites, says Perry Miller, HPCI's visualization director. It is not typically data that the U.S. government makes widely available, but an exception is being made to support disaster relief, Miller says.

HPCI's visualization team has developed a three-dimensional geospatial viewer called "Minerva" that allows for large, geo-referenced images to be loaded onto a computer. Users can zoom in to find areas damaged by the cyclone, then take "screenshots" that are posted to the Internet for humanitarian aid workers to use.

The Web site can be found online at <http://serv.asu.edu/myanmar.html>.

"This is now 'open-source' data, which means people and aid groups are free to download it, and it can be formatted and modified for their particular purposes," says Joseph Adams, an academic associate at ASU's Bidesign Institute who is involved in geospatial data visualization research. "It gives the aid planners a portal through which they can get information they need to assess the situation (in Myanmar)."

The data is being gathered and processed by a team from HPCI and the Bidesign Institute.

"There's a network of people within the supercomputing community and the humanitarian organizations through which the relief groups will become aware of what ASU is making available to them," Adams says.

The project is an example of what computing experts and others at ASU hope to be doing on a larger scale someday.

"We think ASU can put together the resources to become a unique repository of this kind of geospatial data that will make humanitarian efforts more effective," says Kevin Baugh, an industry and government research liaison for the Bidesign Institute.

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

## Partnership addresses need for Chinese language classes

By Natasha Karaczan

ASU has partnered with STARTALK, a program of the National Security Initiative, to help meet the demand for Chinese language classes.

Madeline Spring, director of ASU's Chinese language flagship partner program, says schools across the country have been trying to implement Chinese language programs because of parent and child interest, but there are not enough teachers.

STARTALK provides summer language programs for K-12 teachers and students. The program is focused on teaching graduate students how to instruct students by providing workshops, and using hands-on training with the students in the program.

STARTALK recently awarded a \$100,000 grant to 34 programs in 21 states. ASU is working with Embry Riddle Aeronautical University in Prescott to pro-

vide students with the opportunity to study for one week at ASU and one week in Prescott. The grant pays for all expenses, such as books, tuition and hotel fees.

ASU partnered with STARTALK for the first time last year to get the program running.

"It was a great opportunity for us to do a community outreach," Spring says. "There is a huge demand for drawing on the expertise of teaching Chinese."

She adds that this year's program has double in participants from last year, and that it also caught the attention of many out-of-state applicants.

There is no specific certification for teachers seeking to teach Chinese in K-12 schools in Arizona, other than the general education certification. Spring is working with the Department of Education to address this issue.

She adds that the demand for Chinese-language programs is not coming primarily from Chinese-heritage families. More people are adopting children from China, and others want their children to be globally aware of the influence China has in the U.S. market.

The School of International Letters and Cultures at ASU is involved in many other programs to expand the Chinese language program, such as FlagShip and the Confucius Institute at ASU. Both programs seek to teach students language instruction, which will help students enter the world of teaching in America as well as abroad.

"It is very exciting," Spring says. "People are so excited to have connections. The programs intersect with each other."

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