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### Teacher prep

With the recent announcement by ASU that a second academic reorganization in the last six months is driven primarily by opportunities for intellectual synergy, the university's renowned College of Teacher Education and Leadership (CTEL) has moved to the front lines of teacher preparation programs.

The reorganization proposal is pending receipt of a recommendation by the University Senate and approval by the Arizona Board of Regents.

The plan includes the consolidation of all ASU teacher prep and undergraduate programs into CTEL, and the offering of the college's programs on all four ASU campuses.

"There are many exciting ideas which people from each campus are bringing forward," says CTEL's dean, Mari Koerner, who is also the director of ASU's teacher preparation programs.

The merger of all teacher preparation programs under the auspices of CTEL reflects the university's commitment to strengthen opportunities for students wishing to become teachers across all ASU campuses: Tempe, West, Polytechnic and Downtown Phoenix.

Students from ASU's School of Educational Innovation and Teacher Preparation, as well as the Mary Lou Fulton College of Education, who wish more information about CTEL programs, curriculum and degree opportunities should contact the college at (602) 543-6300 or visit the Web site <http://ctel.asu.edu>.



### ASU on the Web

ASU Darwinfest brings "Darwin Days" to the Tempe campus Feb. 4-13. The event features more than a week of movies, talks, provocative panel discussions, tours, workshops, a birthday tea, Arizona Beagle Rescue adoptions and a Darwin Look-Alike Contest on the Hayden Lawn organized by ASU graduate students.

Everyone is invited to come connect with the global celebration of Darwin's 200th birthday (Feb. 12) and see how expression of radical thinking, scientific and technological enterprise continues to change the world.

For a full list of events, times and locations, visit the Web site <http://darwin.asu.edu>.

For more information, contact Margaret Coulombe at (480) 727-8934 or [margaret.coulombe@asu.edu](mailto:margaret.coulombe@asu.edu).

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



TOM STORY PHOTO

**With a crowd of higher-education supporters holding signs in the background, ASU President Michael Crow, right, along with Robert Shelton, left, president of the University of Arizona, and John Haeger, president of Northern Arizona University, take part in a press conference Jan. 28 in front of the Arizona Capitol to address legislative funding proposals.**

## Furloughs ease budget crisis

*Message to the ASU community from ASU President Michael Crow*

I am writing to inform the ASU community that ASU will be implementing mandatory unpaid furloughs for all employees between now and June 30 to help the university cope with the severe reduction in state funding available to

us over the next five months.

This decision was made after consultation with faculty, staff, students, administration and the Arizona Board of Regents.

With so little time left in the current fiscal year, the university's leadership is confident that this is the most prudent

(See CROW on page 7)

## Biodesign Institute team seeks to create 'fountain of youth'

*By Jenn Watkins*

The same principles that a Biodesign Institute research team has applied to remove harmful contaminants from the environment could one day allow people to clean up the gunk from their bodies – and reverse the effects of aging, too.

The Biodesign Institute, along with a partner, the Methuselah Foundation, is working to vanquish age-related disease by making old cells feel younger.

"The mainstream approach to curing aging diseases is to delay them a little bit, which is great for pharmaceutical sales, but not so good for fixing people," says John Schloendorn, a molecular and cellular biology doctoral student who works in the lab of Bruce Rittmann, director of the Biodesign Institute's Center for Environmental Biotechnology. "What's different about the Methuselah Foundation is that their approach is to directly repair the damage that the passage of time does to our bodies and eventually causes

disease."

Their collaboration addresses age-related problems, such as heart disease, macular degeneration, and Alzheimer's disease, by understanding the root causes of disease. A number of diseases that appear with age are primarily caused by a lifetime of accumulated debris inside of cells.

One theory of aging is that, as the molecular junk collects in our bodies through the years, it causes the onset of disease. For example, the buildup of a vitamin A byproduct is directly responsible for the leading cause of blindness in the elderly, macular degeneration, while the accumulation of sticky proteins in the brain has been linked to Alzheimer's disease.

Every day, millions of metabolic products course throughout our bodies to help nourish and sustain human health. Most of the time, those that aren't used are filtered and passed out of the body – but, over time, some become

(See BIODESIGN on page 7)

## Professor, wife co-write guide on 'Workplace Survival'

*By Steve Des Georges*

In the 1976 tune penned by country music singer David Allan Coe and made famous by fellow crooner Johnny Paycheck, a man who has worked long and hard with little or no reward tells his boss to "take this job and shove it."

Such advice may be a bit rash in today's struggling economy and expanding jobless market, according to ASU management professor David Van Fleet, who has co-written with his wife, Ella Van Fleet, "Workplace Survival: Dealing with Bad Bosses, Bad Workers, Bad Jobs."

The book, published by PublishAmerica, will help readers avoid reacting too emotionally – or otherwise inappropriately – when dealing with workplace individuals who lie, manipulate, threaten, harass, bully or sabotage.

"Especially in today's labor market, quitting may not be a viable alternative for workers," says Van Fleet, who was awarded a Career Service Award recently by the Academy of Management and has taught at ASU since 1989. "Ella and I have tried to steer individuals along a path that could enable them to tolerate and perhaps improve their situations – at least until the labor market changes.

(See PROFESSOR on page 7)

## Army awards 2nd 5-year deal to ASU's Flexible Display Center

ASU announced Jan. 29 that the Army has committed to sponsor an additional five years of research and development at ASU's Flexible Display Center.

The five-year renewal is for \$50 million and follows initial funding of the center in 2004. Taken together, the two five-year commitments represent a total investment of nearly \$100 million in this unique component of the Army Research Laboratory's research portfolio.

The Flexible Display Center is a collaboration among government, industry and academia designed to advance the development of full-color flexible display technology. The Army's continued commitment follows a rigorous evaluation of Flexible Display Center activities and progress during its first five years of operation, with a thorough assessment of the center's plans. The review included an evaluation by leading technology experts assembled at the invitation of the Army.

Army officials say the Flexible Display Center represents a critical resource in the Army's ongoing effort to provide military members with the highest level of technology assets. Since the Army's initial support in 2004, officials say they consistently have been impressed with the center's track record in achieving critical development milestones. They expect that, over the next five years, the center will expand its portfolio beyond strictly informational displays and will extend its role as a national asset in the research and development of flexible electronics.

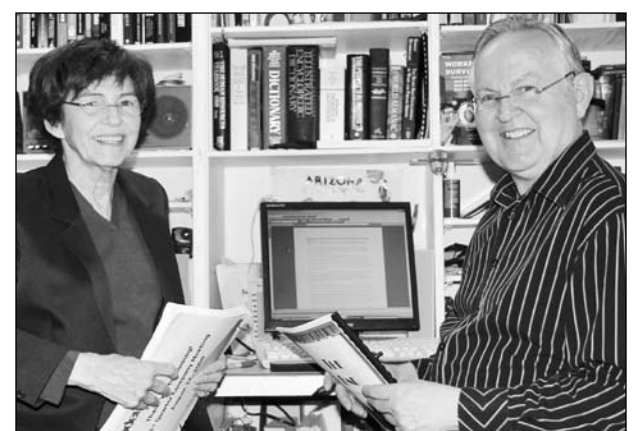
Over the past five years, the Flexible Display Center has established a strong set of core capabilities to support flexible display development, including 6-inch wafer-scale and GEN II 370x470 mm display-scale manufacturing pilot lines and related tool sets.

Through its collaboration programs, the center has achieved development and demonstration milestones that incorporate a broad range of advanced materials and processes necessary to accelerate the commercialization of flexible displays.

With a view toward the next five years of its operations, the Flexible Display Center has appointed Nicholas Colaneri to the position of director, replacing Gregory Raupp, who was the center's director since its inception in 2004. Colaneri joined the center in 2005 as associate director, responsible for business development, member recruitment and the management of the center's intellectual property. He received his doctorate in physics in 1987 from the University of California-Santa Barbara.

Raupp continues as a professor of chemical engineering at ASU, and in this capacity he will

(See ARMY on page 7)



ASU management professor David Van Fleet, right, has co-written a book with his wife, Ella, titled "Workplace Survival: Dealing with Bad Bosses, Bad Workers, Bad Jobs."

## ASU's Allenby leads international effort to promote sustainability

By Joe Kullman

ASU engineering professor Brad Allenby will help lead a major international effort to broaden public awareness and understanding of sustainability – and the technological and social evolution it is sparking.

Allenby has been named chair of the newly founded Presidential Sustainability Initiative of the Institute of Electrical and Electronics Engineers (IEEE), the world's leading professional association for the advancement of technology.

Leaders of the IEEE, which has more than 375,000 members from 160 countries, say the sustainability movement is poised to have broad impacts on environmental protection, resource management and related societal issues. They want the organization to take an active role in promoting a "more rational and informed public dialog" on issues involving the movement.



Brad Allenby

There's an increasingly urgent need for communication and deliberation on sustainability among and between engineers, scientists, public policy makers, educators and the public at large, according to a statement from the organization's board of directors.

"The IEEE recognizes that sustainability requires an international dialog, but also that there is a lack of information regarding emerging technologies and their potential social, cultural and environmental implications," says John Vig, IEEE president and the moving force behind creation of its sustainability initiative.

Sustainability is broadly defined as a long-term approach to development, management and growth that meets present human and environmental needs without depleting the resources or ability of future generations to meet their needs, and improve or maintain their quality of life.

Sustainability is becoming an integral concept in guiding endeavors such as urban planning, land development, public infrastructure engineering, agriculture, architecture, environment and ecology management, economic policy making and energy planning – among other areas.

"We are committing the IEEE to an active role in supporting a responsible, informed discussion about sustainability, and the role technology systems will play in helping to achieve it," Vig says.

"The initiative reflects both the vision of John Vig, and a recognition of the substantive strength and leadership that Arizona State University can bring to the intersection of technology and sustainability," Allenby says. "ASU is increasingly being recognized as an important national and international resource for such work."

Allenby came to ASU in 2004. He is a professor in Department of Civil, Environmental and Sustainable Engineering in ASU's Ira A. Fulton School of Engineering. He also is a professor of law and the Lincoln Professor of Engineering and Ethics in ASU's Joan and David Lincoln Center for Applied Ethics.

He recently was named winner of one of the 2008 U.S. Professors of the Year Awards from the Carnegie Foundation for the Advancement of Teaching, and the Council for Advancement and Support of Higher Education.

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## College of Law's digital repository provides space for faculty writing

By Judy Nichols

The Sandra Day O'Connor College of Law has a new digital repository for faculty writing that allows instant access to full-text, searchable versions of papers, articles and other scholarly writing.

"This will be a great resource for publicizing and disseminating our faculty's scholarship around the world," said Paul Schiff Berman, the college's dean.

The new repository is an example of ASU President Michael Crow's efforts for social embeddedness as part of the New American University by making the professors' work more readily available to the public.

"It's our 21st century display case, and it's a big case," says Leslie Pardo, the access services librarian and repository project manager at the Ross-Blakley Law Library, who helped create and implement the system.

The repository is the culmination of the vision of Victoria Trotta, the college's associate dean for information technology and the Ross-Blakley Law Library, who hired Pardo partly because of her experience in building such a system.

The repository contains 1,355 articles, 222 book chapters, 200 books, 208 presentations, plus newspaper articles, re-

ports, briefs and blogs, and grows daily. It can be found by going to the College of Law's homepage at [www.law.asu.edu](http://www.law.asu.edu), clicking on the link to the Ross-Blakley Law Library and finding the listing under "Law Library Resources."

It has garnered praise from the law school faculty and from law librarians across the country.

"Congratulations on creating an amazingly clean and efficient scholarship repository," writes Tom Black, the webmaster at the University of Arkansas School of Law. "It is one of the best I've seen to date."

The repository is designed to capture the scholarly output of the faculty in a form that features excellent organization, permits subject and key word searching capability, and offers full-text access to most publications.

Full-text access is provided through links to Social Science Research Network, HeinOnline, LexisNexis, Westlaw and other electronic services.

Members of the Ross-Blakley Law Library staff designed and implemented the project in-house.

In addition to Pardo, Faraz Khan, principal systems developer, was a major contributor.

Members of the access services staff, including Serene Rock, Nicole Sandberg and Mariko Bigler, spent numerous hours implementing the project.

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Leslie Pardo

## College of Law co-sponsors statutory interpretation course

By Judy Nichols

Attorneys in Arizona soon will be able to earn required Continuing Legal Education credits through a new program that is the result of a new, ongoing relationship of the Sandra Day O'Connor College of Law and the Maricopa County Superior Court system.

The first of these courses, "Statutory Interpretation From Blackstone to Scalia and Beyond: The Role of Judges in the Interpretation of Statutes in a Democratic Society," will be offered from 2 p.m. to 5:30 p.m., Feb. 6, at the Downtown Justice Center, located in Phoenix at 620 W. Jackson St.

"The Sandra Day O'Connor College of Law is more than just a law school training lawyers for practice," says Paul Schiff Berman, the college's dean. "We are a comprehensive legal studies center helping to disseminate knowledge about law to a wide variety of people, whether full-time J.D. students or not."

"Our revitalized continuing legal education program is a part of that outreach effort, and I am very pleased that we can offer top-flight instruction on crucial questions of statutory interpretation that should be of interest to lawyers, judges, legislators, and others interested in the legislative process as it operates both locally and in Washington, D.C."

The cost of the course is \$150, which includes free parking and refreshments. Up to three CLE credits are available. Net proceeds will go to financial aid for students at the College of Law. To sign up, visit the Web site [www.law.asu.edu/statutoryinterpretations](http://www.law.asu.edu/statutoryinterpretations).

"For present purposes, let us assume a statutory provision does not have a plain meaning (or even if it does, the application of the statute to a set of facts is not clear)," the course description states. "Under these circumstances, what methods should a court employ in determining the meaning and scope of the provision?"

"That is the intriguing, almost intractable, question that judges face in their daily work. There are many other questions as well that will be brought to bear on this subject. For example, is there ever really a plain meaning without resort to context, or at least without resort to a dictionary in use at the time of enactment?"

An outstanding group of speakers has been scheduled for the course, including two Arizona Supreme Court justices, two leading Arizona practitioners and two highly regarded law professors. Several seats will be reserved for Superior Court judges.

"Practitioners will be able to learn how judges influence statutory interpretation," says Michael Berch, a professor at the Sandra Day O'Connor College of Law, who organized the course. "They will be better able to advise their clients, be more direct in their litigation and, in the courtroom, have a better idea of what judges are thinking."

In addition to Berch, speakers include Rebecca White Berch, vice chief justice of the Arizona Supreme Court; Paul Eckstein of Perkins Coie Brown & Bain; Fredrick Hessick, a professor at the College of Law; Andrew Hurwitz, an Arizona Supreme Court justice; and William Maledon of Osborn Maledon.

Eckstein says the issue of statutory interpretation becomes more important every day.

"With the passage of more and more laws covering subjects previously left to the common law, we are inching closer to the tradition of code jurisdictions with each passing year," Eckstein says. "It is at least as important to master the vagaries of statutory interpretation as it is to master reasoning in the common law tradition. This seminar promises to offer some insight into how statutes are and should be interpreted."

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## ASU offers variety of lifelong learning courses

By Matt Crum

The digital entertainment revolution, wine and the cosmos are just a few of the topics addressed by the spring short courses, lectures and workshops from ASU's Osher Lifelong Learning Institute.

Most programming this spring takes place in February, March and April. The institute provides educational and cultural programs for Valley residents age 50 and above.

The Osher Institute's four Valley locations include Sun City Grand, ASU's West campus in northwestern Phoenix, Tempe Connections at the Tempe Public Library and ASU's Polytechnic campus in Mesa.

Also, through a partnership with the Phoenix Art Museum, a five-part workshop titled "Mother Nature, Father Time" will be offered at the museum.

"We're seeing growth at all of our locations, and we expect to enroll more than 1,200 lifelong learners this year," says Diane Gruber, the institute's director. "Our students tell us that the quality of the offerings, combined with the reasonable price and member benefits, make the ASU Osher Lifelong Learning Institute one of the best lifelong learning offerings in the Valley."

Courses are taught by ASU professors, emeritus faculty members and top community instructors. Course titles include "Digital Lifestyles," "Rediscovering Three Famous Forgotten Wines," "From Quarks to Cosmos," "Understanding Modern Jazz" and "Sacred Ground: A History of Native Americans of the Southwest." Other courses focus on topics such as science, history, finance, comparative religion, writing and genealogy.

Gruber, a faculty member in ASU's Department of Communication

Studies, will teach an Osher Institute class this spring titled "Current Controversies in Film."

The ASU Osher Institute also will participate in this year's ONE-BOOKAZ reading of Alberto Rios' "Capirotada." ONEBOOKAZ is a statewide program in which Arizonans share the reading and discussion of a common book addressing the Arizona experience.

While most Osher Institute offerings require a registration fee, there will be free Wednesday night movies and a free lecture series in Sun City Grand. The free lectures focus on topics such as Al Jolson, sustainable service and consumer credit scores.

Gruber says the positive response around the Valley to ASU Osher Lifelong Learning Institute offerings has prompted plans for additional growth.

"We hope to expand our offerings to the Scottsdale and downtown Phoenix areas during 2009," she says.

ASU Osher Lifelong Learning Institute programs are funded in part by the Bernard Osher Foundation, which supports university-quality educational offerings for mature students interested in learning for the love of learning. ASU is one of 18 colleges and universities across the United States to have been awarded a permanent Osher Foundation endowment to sustain and support its programs.

Registration procedures vary by location. Details are available by visiting the Web site <http://lifelonglearning.asu.edu> or by calling (602) 543-6440.

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## ASU Insight

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**Deadlines:** Submit all articles, notices and calendar items as early as possible. **Deadline is Friday before noon for the following Friday's paper.**

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## Benyus, founder of biomimicry, to speak at ASU

By Adelheid Fischer

As a child in suburban New Jersey, Janine Benyus spent nearly every day of summer vacation roaming the outdoors.

Back then, her routine was to grab a sack lunch and then disappear into the ravine and open fields on the edge of her neighborhood.

"I was a dinner-bell kid," Benyus says. "My mother would have to ring and ring and ring at dusk to get me home."

During those free-ranging hours, Benyus grew intimately acquainted with her wild neighbors.

"I knew where the deer slept at night, where the cocoons were and when they opened, where the deer mice made their burrows and where to look for the fox," she says.

Then one day, as the 11-year-old Benyus watched from the bushes, an armada of bulldozers scalped the meadow. By that summer's end, new houses stood where her animal neighbors once lived.

She was devastated.

"I thought to myself, 'These people wouldn't do this if they knew what I knew about this community and how amazing these organisms were,'" she says. "If they knew, they would treat these settled lands differently."

Four decades later, Benyus has built a distinguished career making good on her childhood resolution to tell the world about the extraordinary organisms that share the planet with humans. She has done so as the author of five nature books, including "The Secret Language & Remarkable Behavior of Animals," which was published in 1998.

But none has rocked Benyus's readership more than her 1997 classic, "Biomimicry: Innovation Inspired by Nature."

At 7 p.m., Feb. 10, in ASU's Memorial Union on the Tempe campus, Benyus will deliver a lecture titled "What Would Nature Do?" that will highlight some of the most extraordinary new developments to emerge from this exciting field. The lecture is part of a major biomimicry initiative that was launched in 2008 by InnovationSpace, a sustainable product-development program at ASU.

Biomimicry looks to nature for clues in solving problems in design, engineering and business.

Nature seems to be a good mentor, Benyus says. After 3.8 billion years of trial and error in the planet's longest-running research and development laboratory, "failures are fossils, and what surrounds us is the secret to survival," she writes.



Janine Benyus

No sooner did Benyus publish "Biomimicry" than she was flooded with requests to bring biological expertise to company boardrooms and design studios. In response, she co-founded a bio-inspired innovation consultancy known as the Biomimicry Guild.

To date, the guild's biologists have advised more than 200 companies including Boeing, Nike, Procter & Gamble, General Electric, S.C. Johnson, NASA, Patagonia and HOK, one of the world's largest architectural firms.

According to Benyus, the natural world is an unlimited – and largely untapped – reservoir for sustainable innovation.

Take, for example, the problem of cleaning buildings in the parched cities of the Middle East where precious water is used to scour sand-blown exteriors. What if buildings were clad in materials that shed sand like the skin of the sandfish lizard, a longtime desert native?

Laboratory research has shown that the lizard's skin is more slippery than Teflon and polished steel. This sleekness comes from minute ridges on the skin that minimize contact with sand grains. The adaptation allows the lizard to "swim" through its dune habitats.

"How can we build a building in Saudi Arabia that deflects sand like a sandfish lizard?" Benyus asks.

Sandfish-lizard finishes are not yet on the market, but those that mimic the self-cleaning surface of the lotus leaf already are available. Manufacturers of paints, glass and textiles have mimicked the nanoscale bumps on lotus leaves. This rough microtopography causes water to form beads that carry off dirt particles without detergents or scrubbing.

The world abounds in inspiration for sustainable products such as these. Gecko toes and the bionic threads that anchor mussels to rocks have given rise to new adhesives. And after studying the shape and skeletal structure of the boxfish, a common coral reef resident, engineers at Daimler Chrysler designed an aerodynamic automobile whose weight could be trimmed by as much as 30 percent without sacrificing performance.

Additionally, the design of airflow in termite mounds has inspired the energy-efficient ventilation of buildings.

The world's 30 million species have figured out the chemistry, engineering and physics that allow them to "live on this planet without destroying the place that sustains them," she says, adding: "We are in exactly the same situation. So let's share the best practices from the overlooked, undervalued, underappreciated geniuses that surround us. When you realize that organisms are the embodied wisdom of living well in place, you begin to see nature in a whole new light."

Fischer, with InnovationSpace, can be reached at (480) 965-6367 or adelheid.fischer@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.

A Cambridge University researcher says that fetuses exposed in the womb to high levels of testosterone are more likely than others to develop autistic traits as children.

ASU engineering professor **James Adams** says he does not discount the theory that testosterone exposure is linked to autism, but he also believes the association could be related to exposure to mercury. Adams says elevated testosterone levels are linked to the depletion of glutathione, a substance in the body that protects it from toxic metals. He adds that the researcher's work "ties in with the mercury hypothesis." *Time*, Jan. 15.

ASU associate professor **Paul Torrens** designs innovative, immersive, three-dimensional computational modeling to help predict crowd behavior and spot problem spots in a given landscape. People are able to scan subconsciously for collisions, Torrens says. His models are a bit more rudimentary, with the avatars in them avoiding physical collisions at all cost. Still, the modeling gives some insight into how a person will act in a panicked crowd. *Popular Mechanics*, Jan. 20.

The economy may be spurring more roadside vendors, "a natural phenomenon" that occurs when people lose their jobs, says ASU economics professor, **Allan DeSerpa**. "(People) turn to something else, like (street-side vending) – though it was much more widespread during the Great Depression," he says. "Much of it is psychological. The shock of losing a job is about more than a livelihood, but has to do with self-respect. Getting out and having a feeling they are doing something is a way of venting frustration." *Arizona Republic*, Jan. 26.

If a worker ant dares to reproduce in the presence of the queen, her sisters will smell her attempt and attack, according to a new study, led by ASU life sciences professor **Juergen Liebig**. The worker ants are biologically capable of a type of parthenogenesis, the process that allows a female to produce offspring without a mate. When they try, however, they produce chemicals called pheromones that their sisters detect with antennae. "It's basically smell, but not the smell we know," Liebig says. *National Geographic*, Jan. 26.

ASU psychology professor **David Coon** is researching issues and interventions relative to caring for caregivers, who he calls the "hidden patient." "We know that stressed caregivers are at risk for increased illness, and we are trying to understand from them how their care giving affects their self-care for their conditions – and vice versa," Coon says. "We are interested in making caregiver support groups more palatable and culturally more acceptable. We are trying to determine if we can take the tools we've seen are effective and make them more appealing to community-based organizations." *Monitor on Psychology*, February issue.

## Arizona-Mexico Commission, ASU launch online funding database

By Amy Cox O'Hara

The ASU Lodestar Center for Philanthropy and Nonprofit Innovation has added a new resource to its portfolio of programs to help nonprofit organizations.

The Arizona Grants Access Tool and Experts Source (AzGATES) is an online database connecting those in need of funding with local, national and international sponsors who can help serve that need.

AzGATES was created by ASU and the Arizona-Mexico Commission to serve as Arizona's premier resource for obtaining funding for priority projects throughout the state. In becoming a program of the Lodestar Center, the center will continue to develop the database and increase its awareness among nonprofits that could benefit from its resources.

Arizona Gov. Janet Napolitano recognized that a deficiency of funding throughout the state, specifically near the border region, was a continuing issue hindering economic development in Arizona. Many people know that funding is available, but identifying it can be a daunting task.

AzGATES can be used by individuals, organizations and communities for almost any type of project in Arizona, thereby increasing access to funding resources for anyone who seeks it.

"A knowledge and tools resource like AzGATES is valuable at any time to help build the capacity of the nonprofit sector," says Robert Ashcraft, director of the Lodestar Center and a professor of nonprofit studies at ASU. "But it is even more important now during this time of fiscal stress."

Cox O'Hara, with the Lodestar Center for Philanthropy and Nonprofit Innovation, can be reached at (602) 496-0185 or amy.ohara@asu.edu.

## Faculty member's book helps turn boys into lifelong readers

By Matt Crum

A new book co-written by an ASU faculty member tackles head-on the fact that, in general, boys in the United States read less often and less well than girls.

"Bright Beginnings for Boys: Engaging Young Boys in Active Literacy" offers practical advice and strategies for teachers, parents and anyone with an interest in boys' literacy development.

"The way many boys in kindergarten through third grade are taught to read goes against the way they love to be, which is playful and active," says Debby Zambo, an assistant professor in ASU's College of Teacher Education and Leadership. "Bright Beginnings for Boys" offers alternatives to repetitive drilling on basic skills, which can lead to boredom, inattention and behavioral problems. We believe this book will benefit teachers, caregivers, and anyone else who wants to help young boys learn basic skills in a way that is active and connects to their interests. Beyond that, we want adults to use books to help young boys find positive visions of themselves."

Zambo and co-author William Brozo, a professor of literacy at George Mason University, advocate teaching with picture books containing male protagonists who portray messages of positive values, including cooperation, courage, honesty, perseverance, respectfulness, responsibility and tolerance.

Zambo and Brozo say that literacy – or a lack thereof – plays a key role in what has become known as the "boy crisis" in U.S. schools. By fourth grade, the average boy is two years behind the average girl in reading and writing skills. Boys can become disengaged in school because they don't read – and they don't read because they don't have positive early literacy experiences.

Brozo is a noted literacy expert who wrote the popular book "To Be a Boy, To Be a Reader: Engaging Teen and Preteen Boys in Active Literacy." Zambo, who had never met Brozo, wrote a journal article in the *Reading Teacher* applying Brozo's ideas from that book to young boys.

Zambo and Brozo connected through a colleague who was a mutual acquaintance, and the seed was planted for the two to write "Bright Beginnings for Boys."

"In my heart, I knew I had to write this book," says Zambo, who has experience as an early elementary school special education teacher and

*"The way many boys in kindergarten through third grade are taught to read goes against the way they love to be, which is playful and active."*

– ASU assistant professor  
Debby Zambo

expertise in the field of educational psychology. "Boys develop socially, emotionally and physiologically at a different rate from girls. Expecting young boys to sit and focus on skills exercises for long periods of time, or to write at a level that is beyond the development of their fine motor skills, can lead to a pattern of failure and frustration."

In the foreword to "Bright Beginnings for Boys," Thomas Newkirk of the University of New Hampshire writes: "This early experience of failure and frustration often turns a difficulty into an identity as boys decide they are just 'not good at reading'... But slow starts are not a predictor of long-term failure, so long as we can keep boys engaged in reading."

To maintain that engagement, Zambo and Brozo provide suggestions about simple ways teachers can structure their classrooms to meet boys' cognitive and emotional needs, along with proven ideas for capturing boys' attention and interest. Among the resources offered are "About a Boy" vignettes, which contain stories of real boys in real literacy learning situations, and "Learning From a Character" boxes, which provide a picture book with a male character, the positive qualities he displays, and questions to spark an adult's thinking about how to use the picture book to help boys develop positive traits.

"Bright Beginnings for Boys" is published by the International Reading Association.

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

### Monday, Feb. 9

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

## Lectures

### Friday, Jan. 30

**"The Case for an Apollo-project Approach to Biomedical Problems: Why I Think Research in Biodesign Might Eradicate Cancer or Transform Diagnostics,"** 2 p.m., Life Sciences Center (LS) E-104. Speaker: Stephen Johnston, director, Center for Innovations in Medicine, Biodesign Institute, and professor, School of Life Sciences, ASU. Information: (480) 965-2705.

**"A New Mathematical Model for Geometric Tolerances in Design and Manufacturing,"** 2:30-3:30 p.m., Schwada Classroom Office Building (SCOB) room 252. Speaker: Joseph Davidson, ASU. Sponsored by Mechanical and Aerospace Engineering Department. Information: (480) 727-0476.

**"Bootstrapping and Defeasible Reasoning,"** 3 p.m., Coor Hall room 174. Speaker: Stewart Cohen, ASU. Sponsored by Department of Philosophy. Information: (480) 965-9860.

**"The Quest for Earth Abundant Catalysts that Generate Hydrogen,"** 3:30 p.m., Bateman Physical Sciences Center (PS) H-150. Speaker: Jonas Peters, Department of Chemistry, Massachusetts Institute of Technology. Sponsored by Department of Chemistry and Biochemistry. Information: (480) 965-2093.

### Monday, Feb. 2

**"Jewish Studies in the University-Provincial or Global?"** 10:45 a.m., Coor Hall room 4403. Speaker: David Myers. Part of February Faithfest sponsored by the Office of Student Life and Council of Religious Advisers. Information: (480) 965-6547.

**"The Role of the Nuclear Regulatory Commission in Licensing Nuclear Power,"** 12:10 p.m., Armstrong Hall (LAW) room 114. Speaker: Ken Mossman, professor, School of Life Sciences, ASU. Co-sponsored by the Law and Science Student Association and the Center for the Study of Law, Science and Technology. Information: (480) 965-2465 or [Andrew.Askland@asu.edu](mailto:Andrew.Askland@asu.edu).

**"Katrina and Levee Failures by Overtopping,"** 6-7 p.m., LS E-106. Speaker: Jean-Louis Briaud, president of the Geotechnical Institute of ASCE, professor and holder of the Buchanan Chair, Zachry Department of Civil Engineering, Texas A&M University. Briaud will speak about the engineering aspects of Hurricane Katrina, with particular emphasis on levee overtopping and associated erosion, which was the cause of about 80 percent of the levee failures. Sponsored by School of Earth and Space Exploration. Reception at 5:30 p.m. Information: (480) 727-8566.

### Tuesday, Feb. 3

**"Programming Our Broadway Season: The Current Economic Crisis and the Impact on the Arts,"** noon-1:30 p.m., University Club. Speaker: Colleen Jennings-Roggensack, executive director, ASU Gammage, and assistant vice president for cultural affairs. Chef's choice buffet: \$15 per person. Reservations required: (480) 965-0701. Members and non-members welcome.

### Wednesday, Feb. 4

**"Participatory Decision Making Under Uncertainty: Facilitating Successful Integration of the Community in the Decision Making Process,"** noon-1:30 p.m., Decision Center for a Desert City conference room 175, Brickyard Orchid House, 21 E. Sixth St., suite 126B, Tempe. A panel with Kelli Larson School of Sustainability and School of Geographical Sciences, ASU; Tim McDaniels, School of Community and Regional Planning, University of British Columbia; and a third panelist TBA. Includes lunch. R.S.V.P.: (480) 965-3367 or [Estella.Ohanlon@asu.edu](mailto:Estella.Ohanlon@asu.edu).

**"Flock of Dodos,"** 5:30 p.m., Memorial Union (MU) Turquoise Ballroom (220). This film kicks off the spring semester Life Sciences Bioethics and Film Series, themed "Evolution and Its Discontents." A discussion follows the film. Information: (480) 965-8927 or <http://sols.asu.edu/cbs/events>.

**"Evolution in Arizona's Public High Schools – What**

**Your Students Should Be Learning and Why,"** 5:30-6:30 p.m., Arizona Science Center, 600 E. Washington St. Phoenix. Doctoral student Caitlin Schrein talks about how learning about biological evolution in high school can affect students' academic success and preparation for a rigorous public university education. Part of ASU Darwinfest. Information: (602) 716-2000.

### Thursday, Feb. 5

**National Webcast: "The First 100 Days,"** 8:30-11 a.m., Global Institute of Sustainability (GIOS) room 102. Continental breakfast included. The film is a discussion of what needs to happen early in President Barack Obama's administration. Information: (480) 965-8840.

**"Don't Be Such a Scientist,"** 2:30-3:30 p.m., MU Pima Auditorium (230). Speaker: Randy Olson, scientist and filmmaker of "Flock of Dodos" and "Sizzle." Part of ASU Darwinfest. Information: (480) 727-8934.

**"Sizzle: A Global Warming Comedy,"** 5-8 p.m., Murdock Hall room 201. The film is a novel blend of three genres—"mockumentary," documentary, and reality. Panel discussion follows film. Sponsored by the Center for Biology and Society, Global Institute of Sustainability, Institute for Humanities Research, School of Earth and Space Exploration, School of Life Sciences, College of Liberal Arts and Sciences and Whole Foods Market. R.S.V.P. required: [sustainabilityevents@asu.edu](mailto:sustainabilityevents@asu.edu).

**Jan Fisher Memorial Lecture,** 7 p.m., Coor Hall, room 170. Speaker: Julia Galloway, a utilitarian potter and professor at the University of Montana-Missoula. Sponsored by ASU Art Museum. Reception to follow at the Ceramics Research Center. Information: (480) 965-2787.

### Friday, Feb. 6

**"Is Darwinism Past Its 'Sell By' Date?"** 2 p.m., LS E-104. Speaker: Michael Ruse, Lucyle T. Werkmeister professor of philosophy and director of the Program in History and Philosophy of Science, Florida State University. Sponsored by School of Life Sciences. Ruse will sign copies of his book, "Evolution: The Next Four Billion Years," following the lecture. Information: <http://darwin.asu.edu/distinguished.php>.

**"Mixing and Separation in Microscales,"** 2:30-3:30 p.m., SCOB room 252. Speaker: Kang Ping Chen, ASU. Sponsored by Mechanical and Aerospace Engineering Department. Information: (480) 727-0476.

**"Secondary Organic Aerosol Formation Through Aqueous Photochemistry,"** 3:30 p.m., PS H-150. Speaker: Barbara Turpin, Department of Environmental Science, Rutgers University. Sponsored by Department of Chemistry and Biochemistry. Information: (480) 965-2093.

### Saturday, Feb. 7

**"The Music and Ritual of Arizona's Native Americans,"** 1-2 p.m., Deer Valley Rock Art Center, 3711 W. Deer Valley Road, Phoenix. Speaker: composer and scholar Jay Cravath. Information: (623) 582-8007.

### Monday, Feb. 9

**"On the Origin of Our Species: Darwin and Human Evolution,"** 3-5:30 p.m., MU Pima Auditorium (230). Speaker: Darwin Distinguished Lecture Series speaker and author of *George Washington University paleontologist Bernard Wood*. Panel discussion follows. Part of ASU Darwinfest. Information: (480) 727-8934.

### Tuesday, Feb. 10

**"Darwin's Birthday Suit: The Evolution of Human Skin and Skin Color,"** 3-4 p.m., MU Union Stage (085). Speaker: Darwin Distinguished Lecture Series speaker and author of "Skin," Penn State University anthropologist Nina Jablonski. Panel discussion follows. Part of ASU Darwinfest. Information: (480) 727-8934.

**"Darwin, Race, Misconceptions and Manipulations,"** 4-5 p.m., MU Union Stage (085). A panel discussion conducted by the ASU's Black Graduate Student Association (BGSA), School of Life Sciences, and Institute for Human Origins. This is a discussion that will range from the study of Darwin and human evolution to what biological race in humans means. Part of ASU Darwinfest. Information: (480) 727-8934.

**"What's changed for Women in the Sciences since Darwin?"** 5-6:30 p.m., MU Union Stage (085). A panel discussion with faculty members Jane Maienschein, Susanne Neuer, Bianca Bernstein, Nicole Herbots and Marigold Linton, and graduate student Minralini Muralidharan. Part of ASU Darwinfest. Information: (480) 727-8934.

**"Dorothy Day: Her Message for Our Times,"** 7 p.m., All Saints Catholic Newman Center, 230 E. University Drive. \$5 donation requested. Part of February Faithfest sponsored by the Office of Student Life and Council of Religious Advisers. Information: (480) 965-6547.

**"What would Nature Do? Biomimicry as a Path to Sustainability,"** 7 p.m., MU Arizona Ballroom (221). Speaker: Janine Benyus, author of "Biomimicry: Innovation Inspired by Nature." Sponsored by InnovationSpace in cooperation with the Global Institute of Sustainability with support from the National Collegiate Inventors & Innovators Alliance and Entrepreneurship at ASU. (480) 965-6367.

### Wednesday, Feb. 11

**"What Darwin Got Right (and Wrong) About Human**

**Evolution,"** 5:30-6:30 p.m., Arizona Science Center. Speaker: Mark Spencer, Institute of Human Origins, ASU. Part of ASU Darwinfest. Information: (602) 716-2000.

### Thursday, Feb. 12

**"Radical Thinkers: The Origins and Evolution of Novel Approaches in Science and Medicine,"** 3:30 p.m., MU Pima Auditorium (230). A mini-symposium focusing on paradigm shifts in science, medicine and technology. Sessions at 3:30 p.m., 4:30 p.m. and 5:30 p.m. Part of ASU Darwinfest. Information: (480) 727-8934.

**"NMR and MRI With Laser Detection and No Magnet,"** 7:30 p.m., PS H-150. Alexander Pines, Department of Chemistry, University of California-Berkeley, delivers the annual Eyring Lecture. Sponsored by Department of Chemistry and Biochemistry. Information: (480) 965-2093.

### Friday, Feb. 13

**"Some Recent Developments in Unconventional NMR and MRI,"** 3:30 p.m., PS H-150. Alexander Pines, Department of Chemistry, University of California-Berkeley, delivers the annual Eyring Technical Presentation. Sponsored by Department of Chemistry and Biochemistry. Information: (480) 965-2093.

**"Teaching and Learning Evolution in America: Darwin's Role in the Classroom,"** 4:30-7:30 p.m., MU Pima Auditorium (230). A panel discussion on teaching and the future. Part of ASU Darwinfest. Information: (480) 727-8934.

## Conferences

### Thursday, Feb. 5

**Fourth Annual Building Healthy Lifestyles Conference—"Understanding and Modifying Stress: A Wellness Approach,"** 1-9 p.m., Cooley Ballroom, Polytechnic campus. Keynote speakers and their topics include: Edward Hubbard, former Vietnam POW, "Human Potential: A State of Mind"; Brian Luke Seaward, Paramount Wellness Institute, "Stand Like Mountain, Flow Like Water: Reflections on Stress and Human Spirituality"; Alex Zautra, ASU, "Assessing the Ebb and Flow of Everyday Life with an Accent on the Positive." Sponsored by Department of Exercise & Wellness & Department of Nutrition. Continues Feb. 6, 8 a.m.-4 p.m. Information: (480) 727-1924 or [barbara.ainsworth@asu.edu](mailto:barbara.ainsworth@asu.edu).

### Wednesday, Feb. 11

**"Looking for Life: Adventures and Misadventures in Species Exploration,"** 1 p.m., Memorial Union (MU) Turquoise Auditorium (220). A public symposium sponsored by the International Institute of Species Exploration. Part of ASU Darwinfest. Information: <http://Darwin.asu.edu>.

## Miscellaneous

### Monday, Feb. 2

**"Hybrid and Online Teaching,"** 12:15-1:30 p.m., Coor Hall room L1-54. The first workshop in a series of 3 designed to assist instructors on designing and developing a hybrid course. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://cte.asu.edu>.

**Opening reception for Black History Month,** 4 p.m., Delph Courtyard, West campus. Includes music and beverages and an opening prayer/libation by professor Duku Anokye. Information: (602) 543-5306.

### Tuesday, Feb. 3

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

**"Large Lecture Series: Interactive Lecturing,"** 12:15-1:30 p.m., Discovery Hall room 212. This workshop will provide an overview of strategies to use in moderate to large classes to better engage students in their own learning. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://cte.asu.edu>.

**Display of Army aircraft and vehicles,** noon-4 p.m., Gateway Aviation Services, Mesa-Gateway airport. Sponsored by Army ROTC, Tempe campus. Assisting: Aviation Program of the Department of Technology Management, Polytechnic campus. Information: (480) 727-1691.

### Wednesday, Feb. 4

**"Classroom Assessment Techniques: An Introduction,"** 12:15-1:30 p.m., Discovery Hall room 212. The first in a series of eight workshops on simple techniques to help gauge the student learning effectiveness. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://cte.asu.edu>.

### Thursday, Feb. 5

**"Teaching for Thinking – Fostering Critical Thinking in**

**the Classroom,** 12:15-1:30 p.m., Discovery Hall room 212. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

■ Saturday, Feb. 7

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

■ Monday, Feb. 9

**Superstition Review reading,** 7:30 p.m., Student Union Cooley Ballroom B, Polytechnic campus. The magazine is published online twice a year by undergraduate students at the Polytechnic campus. Information: (480) 727-1537.

■ Tuesday, Feb. 10

**Screening of "Blue Vinyl,"** 6:15 p.m., Coor Hall room 174. Reception begins at 5:45. "Blue Vinyl" is the student award winner in the Humanities and Sustainability Film Festival. Discussion follows. Information: (480) 965-6747.

■ Wednesday, Feb. 11

**"Breakfast of Champions,"** time and location TBA. Enjoy a film and special speaker in honor of Kurt Vonnegut. Sponsored by the Department of English and the English Club. Information: [Ginger.Hanson@asu.edu](mailto:Ginger.Hanson@asu.edu) or (480) 965-7611.

**Jewelry Sale,** 10 a.m.-5 p.m., in front of Art Building. Student metalworkers will sell their earrings, bracelets, rings and necklaces. Sponsored by ASU Metals Club. Continues 10 a.m.-5 p.m., Feb. 12-13. Information: (480) 965-8866 or [Lynette.Andreassen@asu.edu](mailto:Lynette.Andreassen@asu.edu).

**Screening of "Kilowatt Ours: A Plan to Re-Energize America,"** 5 p.m., Coor Hall room 120. Part of the Humanities and Sustainability Film Festival. Discussion follows. Information: (480) 965-6747.

■ Thursday, Feb. 12

**Darwin's 200th Birthday Festival,** noon-2 p.m., Hayden Lawn. Includes Darwin Look-alike Contest, AZ Beagle Rescue adoptions and a tea party. Part of ASU Darwinfest. Information: (480) 727-8934.

**Screening of "The Real Dirt on Farmer John,"** 6:15 p.m., Coor Hall room 174. Student award winner in the Humanities and Sustainability Film Festival. Reception at 5:45 p.m. Discussion follows the film. Information: (480) 965-6747.

■ Friday, Feb. 13

**Ollie's Storybook Adventures,** 10-11 a.m., Deer Valley Rock Art Center, 3711 W. Deer Valley Road, Phoenix. The theme is "Following Bird Tracks." For children ages 3 to 6. Admission. Information: (623) 582-8007.

**Decision Theater Tour,** 3-4 p.m., Decision Theater, 21 E. Sixth St., suite 126A, Tempe. Reservations: (480) 965-4098 or [Michele.nobles@asu.edu](mailto:Michele.nobles@asu.edu).

## Events and Performances

\*Indicates tickets are available at Herberger College of Fine Arts Box Office, Nelson Fine Arts Center, (480) 965-6447.

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

■ Friday, Jan. 30

**"The Lion King,"** 7:30 p.m., ASU Gammage. Marvel at the breathtaking spectacle of animals brought to life by award-winning director Julie Taymor, and thrill to the pulsating rhythms of the African Pridelands. Performance times: 7:30 p.m., Tuesday-Friday; 2 p.m. and 7:30 p.m., Saturday; and 2 p.m. and 7 p.m., Sunday, through Feb. 8.\*\*

**Gabriel Ayala, Native American classical guitarist,** 8 p.m., ASU Kerr Cultural Center, Scottsdale.\*\*

■ Sunday, Feb. 1

**"The Music of Bill Evans,"** 2:30 p.m., Katzin Concert Hall. Bob Ravenscroft, Michael Kocour and piano students in the jazz studies program pay homage to this giant of jazz piano in a multimedia program that surveys music from his entire career.\*

**Yale organ professor Martin Jean,** 2:30 p.m., Organ Hall.\*

■ Tuesday, Feb. 3

**Chamber music of Felix Mendelssohn Bartholdy,** 7:30 p.m., Katzin Concert Hall. Faculty artists present this concert in honor of the 200th anniversary of the composer's birth.\*

■ Wednesday, Feb. 4

**Jazz Divas, Delphine Cortez, Nancy Gee, Margo Reed and Sherry Roberson,** 7:30 p.m., ASU Kerr Cultural Center, Scottsdale. Also: 7:30 p.m., Feb. 5.\*\*

■ Friday, Feb. 6

**"The Vagina Monologues,"** 7 p.m., Black Box Theatre, Polytechnic campus. Sponsored by Students for Social Justice, Williams Campus Housing, Chandler-Gilbert Community College's Women Resource Circle Support. Tickets: \$10. Also: 7 p.m., Feb. 7, at the Chandler-Gilbert Community College in the Pecos Campus' Performing Arts Center. Information: [Suzanne.Hayes@asu.edu](mailto:Suzanne.Hayes@asu.edu).

**"Love Letters: From Beethoven to Bernstein,"** 8 p.m., ASU Kerr Cultural Center, Scottsdale. The passionate letters and writings of more than a dozen composers are interwoven with their music to create a theatrical tapestry.\*\*

■ Sunday, Feb. 8

**"Music of the Southwest,"** 3 p.m., ASU Kerr Cultural Center, Scottsdale. Presented by Arpeggio and Friends.\*\*

■ Tuesday, Feb. 10

**Tuesday Morning Music & Tea,** 10:30 a.m., ASU Kerr Cultural Center, Scottsdale. Featuring the ASU Chamber Players. Free, but R.S.V.P. required: (480) 596-2660. Bring a can of food or sealed personal item for Vista del Camino food bank.

■ Wednesday, Feb. 11

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

**ASU Jazz Combos,** 7:30 p.m., Recital Hall.

■ Friday, Feb. 13

**Faculty artist Albie Micklich,** 7:30 p.m., Katzin Concert Hall. A program of solo music for the bassoon.\*

## Exhibitions

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

Through February, "Different Strokes." Glendale Community College art professor Sharon Forsmo presents a wide range of paintings and drawings on a variety of media, such as paper, linen and hardboard. The artwork is inspired by Forsmo's ongoing exploration of different media and their relationship to a variety of surface grounds. The paintings represented include oil- and water-based media, and they display the color characteristics and expressive qualities that are unique to them.

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

Opens Feb. 5, "Previewing the New Latin-American Folk Art Collection" features folk art objects from Central America and South America. Preliminary curatorial research by museum staff will be augmented by labels and interpretation by graduate students in the School of Human Evolution and Social Change's museum anthropology program.

## Defenses

**Mary Austin,** PhD, English, 10 a.m., Jan. 30, LL 316.

**Sudheendra Murthy,** PhD, Comp. Sci., 1 p.m., Jan. 30, BYENG 528.

**Christina Colp-Hansbury,** PhD Comm., 10 a.m., Feb. 5, STAUF 431.

# Student playwrights take national stage

By Judith Smith

ASU's graduate student playwrights – and at least one undergraduate – are making waves.

It looks like the tide is just about to come in for them, too.

Dan Frey is one of just seven of 89 playwrights invited to take his play, "Don Coyote," which debuted at ASU last fall, to the Region 8 Kennedy Center/American College Theatre Festival at California State University-Fullerton, in February.

First-year master's degree in fine arts playwright Asher Bowles was invited to present a 10-minute play in the same regional event.

Another first-year master's degree in fine arts playwright, Christian Krauspe, also is a finalist in the Kennedy Center competition, but in Region 5. His alma mater, Western Illinois University, produced his play, "Dear-born Americana," which was picked for the festival.

Finally, Bill Alewyn, an undergraduate student, won the college national playwrighting competition sponsored by the Wichita State University with his play, "Gedenken," and it's also competing in ACTF – but in Region 3.

So how did ASU's Herberger College School of Theatre and Film manage to produce so many winners this year?

"A lot of it has to do with creating a climate for inspiration," says Guillermo Reyes, an associate professor and director of ASU's playwrighting program. "What motivates them

to write – tapping into that is really challenging. The best writing comes from the heart, but not everyone accesses that. It is personal."

Reyes, who also has enjoyed a stellar career as a playwright, says every class in playwrighting is different, and every student is different. By offering a variety of opportunities, such as writing short plays and having readings and live productions, each will find something that sparks his or her creativity.

The students also collaborate with Playwrights on Campus, an organization that helps them develop their work.

The most crucial thing for a young playwright, Reyes says, is "seeing the play done on stage, with actors. That's important for completion. Hopefully the audience will like the play."

Will there come a time when live theater gives way to Web-based drama, and playhouses shut their doors?

Reyes says he doesn't think so. But he adds that "playwriting is in competition with modern technologies, and playwrights are beginning to incorporate visual media into their work."

Many students already have posted their work on YouTube, and already are thinking about audiences beyond campus, Reyes says.

"But they are definitely interested in writing for live audiences," he says. "Theater is still an exciting form of writing. It creates a living experience. Live theater has been around for a very long time. It will be enriched, but it will not go away."

For the Fullerton festival, ASU will pack up all the sets from Frey's play, which was presented in the Festival of New Work, and take a contingent of 12 people – including the actors, director and stage manager – to California.

Winners from the regional festivals will go to the finals at the Kennedy Center's American College Theater Festival.

Frey, who grew up in Phoenix, studied film at USC.

"But I found out that a lot of the work in film was not what I wanted to do," Frey says. "Then I discovered Brand New Theater at USC. At first I auditioned to act – and to be near a girl. The next semester I wrote a play, and they produced it."

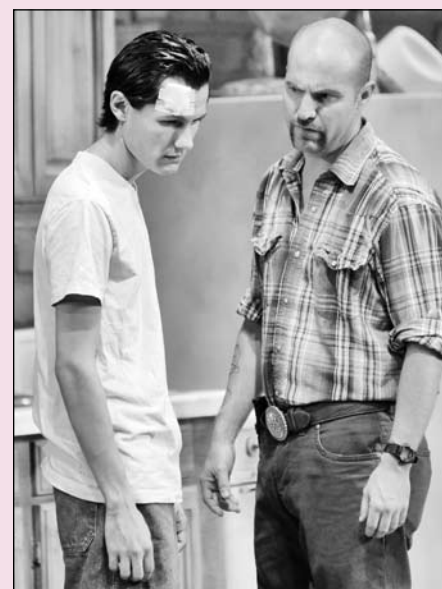
The idea for "Don Coyote" came from a conversation about immigration between his uncle and grandfather, who had opposing viewpoints.

"They were talking about it, but not really talking to each other," Frey says.

In "Don Coyote," an American and a Mexican coyote run a human-smuggling business at the Arizona-Mexico border. But a car accident, a killing and a beautiful young woman named Rosa threaten to unravel the fabric of their partnership.

Frey says he made a lot of changes in the play after the first week of rehearsal.

"A lot of it was streamlining," Frey says. "There was dialogue that I thought was clever, but it didn't add anything. The play



Laine Nelson, left, and Gary Worthington appear in "Don Coyote."

is a little bit of mystery. I had to strike a balance about how much to give away how soon."

Frey believes that it's "incredibly important" for playwrights to have acted on stage.

"You get a sense of the actors and what they need from you as a writer," Frey says.

Should any of the ASU graduate students win at the regional level, they will receive a cash prize of at least \$1,000, a measure of prestige and "a lot of bragging rights," Reyes says.

Smith, with Media Relations, can be reached at (480) 965-4821 or [jps@asu.edu](mailto:jps@asu.edu).

## In BRIEF

### Study Abroad Fair to take place Feb. 5

Students interested in studying abroad should plan to attend the ASU Study Abroad Fair, which takes place from 10 a.m. to 3 p.m., Feb. 5, in the Memorial Union's Arizona Ballroom and Turquoise Room on the Tempe campus.

Information about more than 250 programs in more than 60 countries will be available.

At the fair, students can:

- Meet other students who have studied abroad.
- Talk with international exchange students.
- Attend a Study Abroad 101 information session.
- Get advice from program representatives.
- Discuss funding opportunities with the Student Financial Assistance Office.

• Get details about the Study Abroad Office scholarships.

• Learn more about the opportunities available from the study abroad program coordinators.

There will be a drawing for a travel-related prize at the event, and attendees may have a free souvenir photo taken in an international location of their choice – and ASU's mascot, Sparky, is expected to be on hand, too.

The U.S. Passport Acceptance Office also will hand out and accept passport applications and take passport photos.

Students unable to attend the fair but who are interested in studying abroad are encouraged to contact the ASU Study Abroad Office at Tempe Center, suite 150.

For more details, call (480) 965-5965, send an e-mail to [study\\_abroad@asu.edu](mailto:study_abroad@asu.edu) or visit the Web site [www.asu.edu/global](http://www.asu.edu/global).

### Film festival studies humanities, sustainability

A four-day film festival in February that includes the Arizona premiere of "Sizzle," a global warming comedy, will take place at ASU's Tempe campus.

Also featured at the festival, which is free and open to the public, will be two student films that won top honors in last semester's ASU student film contest.

The festival is designed to showcase how the humanities and the issue of sustainability can interact to address global environmental challenges. It is being presented by ASU's Institute for Humanities Research, and the Film and Media Studies program in the College of Liberal Arts and Sciences.

The festival kicks off Feb. 5 with "Sizzle," a global warming documentary that combines science and comedy by scientist-turned-filmmaker Randy Olson. The screening is part of Darwinfest at ASU – a celebration of Darwin's 200th birthday and 150th anniversary of the publication of "On the Origin of Species." Screenings of exemplary and award-winning student films will continue Feb. 10-12. Discussions led by ASU scholars will take place each evening after the screening.

More information about the "Humanities and Sustainability Film Festival" is available by sending an e-mail to [filminfo@asu.edu](mailto:filminfo@asu.edu) or by calling (480) 965-6747.

### ASU Bookstores' faculty regalia sale set

The ASU Bookstores will conduct a semiannual 15 percent discount sale on faculty regalia for one day only at each of the four bookstore locations.

During this time, a sales specialist from the Herff Jones Co. will be available to assist faculty members with their purchases of custom regalia.

The hours and locations are:

- Tempe campus bookstore – 10 a.m. to 3 p.m., Feb. 11.
- Polytechnic campus bookstore – 11 a.m. to 2 p.m., Feb. 12.
- West campus bookstore – 11 a.m. to 2 p.m., Feb. 17.
- Downtown Phoenix bookstore – 11 a.m. to 2 p.m., Feb. 18.

The next sale will take place in September.

For more information, contact Carrie Morales at (480) 965-7923 or [carrie.morales@asu.edu](mailto:carrie.morales@asu.edu).

### Humanities book award deadline looms

Feb. 16 is the deadline for nominations for the Transdisciplinary Humanities Book Award, which is presented annually by ASU's Institute for Humanities Research in the College of Liberal Arts and Sciences.

Every other year, the award is reserved for ASU authors. Colleagues, publishers or authors themselves can nominate academic nonfiction books, written by ASU tenured or tenure-track full-time faculty members that reflect the finest contemporary transdisciplinary humanities-based scholarship on any topic.

To be eligible, the book must be written in English and published in 2007 or 2008. Edited collections are not eligible.

The author of the winning book will be notified in May and receive \$1,000, as well as publicity in institute materials and an award certificate. The author also will be featured at an awards ceremony in the fall.

Criteria and nomination forms can be found online at <http://ihr.asu.edu/research/bookaward>. Additional information is available by calling (480) 965-3000.

### Grants conference to take place March 30-31

A National Science Foundation (NSF) regional grants confer-

ence will take place March 30-31 at ASU.

The conference provides college and university researchers and educators with insights into the NSF funding system, plus the issues, laws and policies concerning the funding for science programs and research projects.

Among the topics to be highlighted during the conference are new programs and initiatives, directions and strategies for national science policy, proposal preparation, and cross-disciplinary and special-interest programs.

There also will be several concurrent breakout sessions in biological sciences; engineering; computer and information sciences; geosciences; mathematical and physical sciences; and social, behavioral and economic sciences. Administrative breakout sessions include education and human resources, faculty early career development, grant payment and federal financial reporting processes, and proposal and award policy updates.

Representatives from NSF, as well as faculty, researchers and grant administrators from across the United States, will make presentations.

With an annual budget of about \$5.92 billion, the NSF is the funding source for about 20 percent of all federally supported research conducted by America's colleges and universities. In many fields such as mathematics, computer science and the social sciences, NSF is the major source of federal backing.

The conference will take place at the Tempe Mission Palms hotel. Registration is \$325. Registration and additional conference information is available online at [www.seeuthere.com/event/m2c757-1LZIF9T0MYS6U](http://www.seeuthere.com/event/m2c757-1LZIF9T0MYS6U).

### ASU makes free counseling services available

Free counseling services are on campus for all full-time ASU students, faculty and staff. Services also are available to part-time students, faculty and staff members for \$30 per semester, and to any community member for \$60 per semester.

The Counselor Training Center provides individual, couples and family counseling for children, adolescents and adults to help them resolve personal, career, marital, family and adjustment issues that are barriers to healthy relationships.

For more information, or to make an appointment, contact the center at (480) 965-5067. Information also is available online at <http://education.asu.edu/ctc>.

### ASU office issues friendly passport reminder

Beginning June 1, the U.S. Department of State will begin requiring a passport book or passport card for all U.S. citizens traveling outside of the United States.

Those planning international travel after June 1 should make sure their documentation is up to date.

Applications for new or renewed passports can be submitted through the U.S. Passport Acceptance Office, part of ASU's Center for Global Education Services in the Tempe Center. Processing normally takes about three weeks, but that time usually increases during the busy season, from January through May.

"We want to encourage people to apply early and beat the rush," says Kim Foster, senior specialist and passport acceptance agent.

The office, which is open from 9 a.m. to 4 p.m., Monday through Friday, serves students, faculty, staff and members of the community.

While normal processing time for a passport or passport card is three to six weeks, expedited service is available for an additional fee.

The U.S. Passport Acceptance Office is part of the Center for Global Education Services in Tempe Center at 951 S. Mill Ave., suite 150, west of Coor Hall on the Tempe campus.

For more information, call (480) 965-0877, or visit the Center for Global Education Services Web site <http://ovpge.asu.edu>/CGES or the State Department Web site [www.travel.state.gov](http://www.travel.state.gov).

### Piano competition winners announced

Stanislav Khristenko, a Russian pianist, and Qi Kong of China earned the first-place awards in their respective contests and age groups at the fourth annual Bösendorfer USASU and Schimmel USASU piano competitions, which took place recently at ASU.

Khristenko won top honors in the Bösendorfer event for pianists ages 19-32, and Qi Kong won first place in the junior division of the Schimmel, for ages 13 to 15.

Khristenko received a cash prize of \$15,000, donated by David Katzin, a gold medal created by OT Jewelers in Mesa, a solo recital at the Bösendorfer Saal in Vienna, concerto performances with the Phoenix Symphony Orchestra, and recitals in the National Concert Series in Serbia.

Qi Kong received a \$3,000 cash prize and an invitation to perform at the Brauschweig festival in Germany.

For more information about the competitions, contact Baruch Meir at (480) 965-3386 or [baruch.meir@asu.edu](mailto:baruch.meir@asu.edu).

### Grad student earns astronomy award

During the conference banquet of the American Astronomical Society's (AAS) winter meeting held Jan. 7, Hwihyun Kim, a graduate student in the School of Earth and Space Exploration

at ASU, was named the recipient of the prestigious Chambliss Astronomy Student Achievement Award.

The semiannual event, touted as one of the largest gatherings of astronomers, took place Jan. 4-8 in Long Beach, Calif.

The Chambliss Astronomy Student Achievement Award, which serves to recognize exemplary research by graduate students who present poster papers at the event, was awarded for her poster presentation, titled "Radial Change of Stellar Populations in the Extremely Metal-Poor Galaxy CGCG 269-049."

Kim is focusing on observational cosmology, with particular interests in nearby dwarf galaxies and satellite galaxies in different cosmic environments.

### American Humanics earns fundraising award

ASU American Humanics (AH) received the Hartsook Companies' American Humanics Excellence in Fundraising Award at the American Humanics Management-Leadership Institute (AHMI), which took place Jan. 4-7 in Indianapolis.

Eugene Temple, president of the Indiana University Foundation, presented the award on behalf of Robert Hartsook, chairman and chief executive officer of Hartsook Cos. Inc., a national fundraising consulting firm based in Wichita, Kan.

AH and Hartsook Cos. recognized ASU for its outstanding ability to connect to community resources in support of their program. Not only did ASU secure \$38,175 in contributions, which is an average of \$459.94 per student, but the university also placed emphasis on involving AH students in the fundraising process. Students participated in their AHMI 2008 Campaign course (learning fundraising strategy and etiquette as they managed an "ask" campaign) and surpassed their goal of \$32,000, raising \$35,175.

ASU students led the "environmental team" for the Iron Man competition, earning \$1,500. Students also earned money by seeking out student government funding, partnering with local restaurants, and working concession stands.

Accepting the award on behalf of ASU were Robert Ashcraft, AH campus and executive director; Stacey Freeman, program coordinator; and the ASU AH students in attendance.

More than 1,000 students, faculty, nonprofit and corporate leaders took part in AHMI 2009, a capstone educational experience for college students earning AH certification in nonprofit leadership and management.

### Vietnam trip highlights various opportunities

Karl Theisen, associate director for business planning in ASU Global's Policy and Strategic Partnerships Office, Global Engagement, traveled to Vietnam's Ho Chi Minh City Jan. 13-17 for a series of meetings that built on continuing discussions related to joint projects between ASU and Vietnamese partners.

Theisen met with developers of the Tri Viet University, an initiative headed by Madame Ton Nu Thi Ninh, who visited ASU in October. ASU continues to provide mentorship and collaboration as the project moves forward.

Discussions focused on two defining characteristics of the planned institution: The university as social enterprise, and developing a sustainable, green campus.

Both are important aspects of ASU President Michael Crow's "New American University" concept.

Theisen also participated in the second annual bi-national conference, "Higher Education in Vietnam: American-Vietnamese Partnerships," co-sponsored by the U.S. Embassy and the Vietnamese Ministry of Education, attended by about 400 representatives of the government, university and private sectors of the two countries. The agenda focused on Vietnam's higher education reform, current collaborations and potential areas for expansion, including implementing more joint programs and increasing the number of Vietnamese students attending U.S. universities.

### International tribunals book earns note

A book written by Victor Peskin, an assistant professor in ASU's College of Liberal Arts and Sciences, has been selected as a *Choice* magazine Outstanding Academic Title for 2008.

Peskin's book – "International Justice in Rwanda and the Balkans: Virtual Trials and the Struggle for State Cooperation" – is one of 679 titles on the prestigious Outstanding Academic Titles list.

According to *Choice*, it is "the premier source for reviews of academic books, electronic media and Internet resources of interest to those in higher education." The magazine reaches almost every undergraduate college and university library in the United States. The books on its Outstanding Academic Titles list reflect the best in scholarly titles and are chosen from more than 7,000 works reviewed by the magazine in the previous year.

The selection is made for books that achieve overall excellence in presentation or scholarship, originality or uniqueness in treatment, importance relative to other literature in the field, and value to undergraduate students.

Peskin received his doctorate in political science from the University of California-Berkeley and now teaches in ASU's School of Government, Politics and Global Studies. He has been at ASU since 2006.

## Crow spells out details of mandatory furlough plan to ASU community

(Continued from page 1)

way to address the fiscal year 2009 reductions while preparing for the additional reductions proposed for fiscal year 2010, because the furlough allows the fiscal year 2009 reductions to be shared and balanced among all the faculty and staff members of the institution.

It is important to remember that we are dealing with at least a two-year state budget problem. To put the cuts proposed by the Legislature into perspective, the two-year maximum proposed cut would reduce ASU's per-student funding level in fiscal year 2010 to the fiscal year 1989 level in absolute dollar amount. When adjusted for inflation, we would be operating an instructional budget in fiscal year 2010 with about 50 percent of the per-student state investment we had in fiscal year 1989.

The furlough will involve all employees, including the president, vice presidents, deans, faculty, varsity coaches, academic professionals and classified staff.

The university will not close down at any time; instead, furloughs of individual employees will be staggered over different days and weeks so that ASU can remain operational and complete the academic semester on time.

The length of any individual employee's furlough will be determined by three general job classifications:

- University administrators (including the president, vice presidents and deans) – 15 days.
- Classified staff – 10 days.
- All other employees – 12 days, except for those who do not work a full week or work less than a 12-month schedule, in which case their furloughs will be prorated for the lengths of their appointment or the number of hours worked weekly.

Depending on the length of an individual's furlough, the salary loss would be equivalent to 8 percent to 12 percent of the employee's remaining fiscal year 2009 salary.

Faculty members will take furloughs on days they don't teach class, and supervisors of staff members will be staggering furloughs so that the university remains fully operational.

Employees will be allowed some flexibility in scheduling their furlough days in conjunction with their supervisor, but they are encouraged to consider scheduling the furlough days proportionally across all remaining pay periods in the current fiscal year, which ends June 30.

Furloughed employees are eligible to apply for unemployment compensation for time lost.

The university's Employee Assistance Program Office will be available to consult with those who are particularly hard hit by the loss of income.

Full details of the implementation of the furlough are available on the Human Resources Web site [www.asu.edu/hr](http://www.asu.edu/hr).

Through this furlough, the university will save about \$24 million to help toward meeting its fiscal year 2009 state budget reduction, which could total more than \$60 million. Although ASU must find additional savings to meet its anticipated cut, the furlough is intended to ensure that all enrolled students can still finish the current semester, and that those completing their degrees can graduate on time.

I want to assure all of you that ASU is committed to continuing to deliver all our academic programs to our students, to not reducing academic quality and to maintaining all of our university student financial aid programs.

We will continue working with internal groups to find additional prudent cost-saving measures that are consistent with our institutional mission. We also will continue to make our case to the state Legislature – and to the people of the state of Arizona – that our universities are too important to our future to be singled out for the largest budget cuts.

In that effort, we have been working with and will continue to work closely with the Arizona Board of Regents and our sister institutions, the University of Arizona and Northern Arizona University. Those institutions also are making major budget reductions, but their institutional circumstances may cause them to take approaches other than the ones we have taken.

We well understand that our state – and our

nation – are struggling to cope with the worst economic conditions since the Great Depression, and that we all need to do our share of budget cutting.

ASU already has instituted a number of cost-saving measures ranging from reducing energy consumption to the reorganization of academic departments and entire schools. We have been forced to eliminate more than 550 staff positions and 200 faculty associate positions this fiscal year, and it is worth restating that we have chosen to implement the furlough to minimize layoffs, rather than cutting core academic functions or reducing financial aid or services to students.

Indeed, many of our employees have said they would prefer taking a furlough to seeing more of their colleagues laid off.

I wish to thank all our faculty and staff for their commitment to student success. The state fiscal situation is extremely serious, but it is also short-term. No matter the circumstances, ASU will remain committed to the ideals of the New American University – admitting all qualified students, providing them a high-quality education and having a positive impact on the state through education, research, economic development activity and community service.

Please rest assured that we are working every possible idea to keep the university advancing through these difficult times.

## Professor, wife co-write book that takes in-depth look at 'Workplace Survival'

(Continued from page 1)

"Hopefully, our book will help workers recognize that they are not alone and thereby give them the courage to carefully analyze their situations and take appropriate action, or take no action."

Van Fleet says the book is important for a number of reasons. He points to the fact that not all workplace problems revolve around a miscreant boss, and that bad coworkers also can interfere with productivity and create equal amounts of chaos.

Bad bosses and bad workers are especially dangerous to organizations because they jeopardize productivity – and also because they put their organizations at risk of potentially costly legal action. In addition, organizations risk losing their best people when they fail to deal with bad bosses or bad workers.

"Identifying problem employees can be easy if bosses keep their eyes and ears open," says Ella Van Fleet, who was recognized by the Texas House of Representatives for her outstanding professional contributions to the Lone Star State as a practicing and teaching

entrepreneur before the Van Fleets moved to the Valley in 1989. "However, as we all know, there are those devious, conniving individuals who make miserable the life of one or more individuals but manage to look great to bosses and other workers.

"Everyone needs to be able to recognize a bad boss. The book is designed to assist workers, bosses and upper management in identifying individuals who make workplace survival difficult."

David Van Fleet, who has served as editor of the *Journal of Behavioral and Applied Management*, says most workers have three options from which to choose when faced with an untenable workplace situation:

- Cope or adopt.
- Change yourself or try to change others.
- Find another job.

"In the book, we explain that workers are rather helpless to change insecure and incompetent bosses, but they should not have to work under abusive bosses," he says. "Nevertheless, they must understand that, when going up against the boss, they should

always be prepared to lose – even if the worker is legally right and the boss is morally or legally wrong. Readers are admonished not to try to change things that are beyond their power to change, and not to expect their boss to change things that are beyond his or her power to change."

At ASU, Van Fleet, who earned his doctorate in economics and management at the University of Tennessee-Knoxville, has produced widely recognized research on leadership, the organization of managerial functions and the history of management thought. He has more than 240 publications and presentations, ranging from a research monograph to textbooks, and from articles in top research journals to ones in practitioner periodicals.

He also has co-written articles with colleagues from Poland, Russia and Kuwait on topics related to managerial effectiveness in cross-cultural contexts. He and his wife have co-written six publications.

*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).*

## Army awards 2nd 5-year contract to ASU's Flexible Display Center

(Continued from page 1)

be responsible for strategic research and market opportunities in flexible electronics for ASU supporting the Flexible Display Center.

"As an early adopter of advanced technologies, the Army recognized the importance of developing revolutionary information displays and had the foresight to commit to fostering a sustainable ecosystem that could successfully develop and commercialize flexible electronic displays," Colaneri says. "The Army's long-term commitment to this initiative not only recognizes the important role that the center plays within this developing market but, more critically, allows us to accelerate the application development and commercialization process."

In addition to the Army, the Flexible Display Center partners with many of the world's leading and emerging industry providers of advanced display technology, materials and process equipment, and product integrators such as HP, Gen-

eral Dynamics, Raytheon, BAE Systems, L3 Communications, Boeing, LG Display, E Ink, Applied Materials AKT, Ito America, EV Group, DuPont Teijin Films, Honeywell, Universal Display Corp., Kent Displays, Plextronics, Etched In Time, Surface Science Integration and Particle Measuring Systems. A key founding partner in the center is the FlexTech Alliance, an industry association focused on the manufacturing and distribution chain of flexible, printed electronics and displays. Also, the Flexible Display Center collaborates with renowned universities such as University of Texas-Dallas and Lehigh University on basic materials research projects.

Flexible electronic displays are playing an increasingly important role in the global high-tech industry, serving as the crucial enabling technology for a new generation of portable devices, including e-readers and similar products. According to a recent iSuppli report, the flexible display market is expected to grow from \$80 million in 2007 to \$2.8 billion by 2013.

## Researchers aim for 'fountain of youth'

(Continued from page 1)

resistant to degradation, piling up as junk in our cells.

The human body is not naturally equipped to degrade these harmful substances, but Schloendorn also noticed that there is not an overabundance of these molecules in the environment. Therefore, there must be a source of natural enzymes that are capable of breaking down the cellular debris. In much the same way as the buildup of junk can put a stranglehold on the natural environment around it, the collection of these miscellaneous materials can place stress on a cell.

The enzymes capable of decomposing the junk are like implementing a recycling program in a landfill. They salvage the used materials, and there is a possibility that the basic pieces can be reused elsewhere in the cell.

"We are looking for these enzymes in all sorts of organisms," Schloendorn says. "We

have some that come from soil bacteria, we have one that comes from the crocus flower, another one that comes from mammals."

The idea of toxin degradation in the body dovetails with an environmental innovation by team leader Rittmann, who used microbes to break down toxins in polluted water. The microorganisms degrade petroleum hydrocarbons in contaminated water and leave clean water behind in a method called environmental bioremediation.

The application of these principles to human health is called medical bioremediation. In the early stages of environmental bioremediation, the research team had to find microbes that contained enzymes capable of breaking down the pollutants found in the contaminated water. This is the same tactic being used to reverse the accumulation of the biomolecules in the body.

*Watkins, with the Biodesign Institute, can be reached at [jenn.watkins@asu.edu](mailto:jenn.watkins@asu.edu).*

## EMPLOYMENT

The following positions are available as of Jan. 30 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. Code below is: (O) – position is open to the public.

### STAFF POSITIONS

#### TEMPE CAMPUS

##### Professional

Accounting Assistant Senior # 22199 (O) – VP-Research and Economic Affairs (Feb. 4).

Academic Success Coordinator #22206 (O) – Ira A. Fulton School of Engineering (Feb. 9).

Administrative Assistant – SkySong in Scottsdale #22169 (L) – ASU Online and Extended Campus (Feb. 6).

Administrative Associate (part-time) – #22148 (O) VP-Research and Economic Affairs – Flexible Display Center at the ASU Research Park (Feb. 9).

Administrative Associate #22136 (O) – VP-Research and Economic Affairs (Feb. 4).

Assistant to the Dean of Graduate College of Education #22224 (O) – College of Education (Feb. 9).

Coordinator #22230 (O) – VP-Research and Economic Affairs (Feb. 10).

Fiscal Specialist #22222 (L) – College of Education (Feb. 11).

Grant Administration Specialist #22213 (O) – VP-Research and Economic Affairs (Feb. 4).

Management Intern (part-time) #22216 – Office of University Initiatives – to work at both the Tempe and SkySong campuses (Feb. 5).

#### Technical and computer

Computer Database Specialist #22168 (O) – College of Liberal Arts and Sciences (Feb. 6).

Electronics Engineer #22202 (O) – Biodesign Institute (Feb. 6).

Semiconductor Technician, Principal #22188 (O) – Biodesign Institute (Feb. 6).

### DOWNTOWN PHOENIX CAMPUS

#### Professional

Business Manager (part-time) #2194 (O) – College of Public Programs (Feb. 2).

#### Technical and computer

Technical Support Analyst Assistant #22221 (O) – Walter Cronkite School of Journalism and Mass Communications (Feb. 16).

### ACADEMIC POSITIONS

#### TEMPE CAMPUS

Clinical Professor #9264 – Herberger College of the Arts: Dance Department (March 2; every week thereafter until the search is closed).

Lecturer #9263 – Herberger College of the Arts: School of Theatre and Film (March 16; every week thereafter until the search is closed).

### DOWNTOWN PHOENIX CAMPUS

Associate Dean #9265 – Academic Affairs: Nursing & Healthcare Innovation (Feb. 6).

## Conference builds path to success for scholarship recipients

By Matt Crum

About 150 Arizona college and university students, all recipients of financial support through the Arizona College Scholarship Foundation (ACSF), gathered earlier this month at ASU's West campus to learn practical strategies for success in their college careers and beyond.

ACSF is a nonprofit organization comprising concerned Arizona business, education and community leaders and philanthropists.

"These stakeholders are working together to make college a reality for high-potential, low-income students," says Marjorie DeRubeis, ACSF's director of education.

The third annual ACSF Scholars' Leadership Symposium featured workshops addressing résumé writing and job interviewing, debt management, exploring graduate school and more. Students had the opportunity to interact with officials from Wells Fargo, Salt River Project (SRP) and Science Foundation Arizona, who took part in a panel discussion about sustainability in Arizona. The

ACSF scholars also participated in team-building exercises.

"The conference was not only informative and inspirational, but it also was a lot of fun," says Paola Rodriguez, an ASU student majoring in criminal justice. "I learned some very helpful information about what to expect over the next couple of years, and I had the opportunity to meet students from ASU and other schools."

Of the 159 students receiving scholarships through ACSF, 85 attend ASU. All of ASU's campuses – Tempe, West, Polytechnic and Downtown Phoenix – are represented among ACSF scholars.

ACSF offers several scholarship programs funded by a variety of sources, such as the Helios Education Foundation, GEAR-UP (Gaining Early Awareness and Readiness for Undergraduate Programs), Carstens Family Fund, BHHS Legacy Foundation, SRP and individual donors.

ACSF scholars receive up to a \$6,000 annual scholarship for four years toward the cost of college attendance. They also receive a network of support services, including on-campus mentoring and coaching from ACSF staff, to which DeRubeis

attributes students' 94 percent program retention rate.

On ASU's Tempe campus, many of the ACSF scholars receive significant support from the Multicultural Student Services (MSS) office.

"During one-on-one meetings with MSS staff mentors, ACSF scholars are encouraged to sign up for tutoring and coaching services," says Sherril Tomita, MSS assistant director. "We also encourage them to join one of five MSS-sponsored student organizations that specifically focus on freshman year success through a network of peer support and connections with campus resources."

Promising students with financial need are recommended for ACSF scholar programs through ACSF partner organizations, including GEAR-UP, Aguila Youth Leadership Institute, ACE (Achieving a College Education), MESA (Math, Engineering, Science Achievement), and others.

More information is available at [www.azcsf.org](http://www.azcsf.org).

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).

## W. P. Carey School welcomes art donation

By Debbie Freeman

Drivers on two of the Phoenix area's most traveled highways got to see a rare sight Jan. 24, when a 5-ton statue made its way from Scottsdale to the W. P. Carey School of Business on ASU's Tempe campus on the back of a flatbed truck.

The \$1.3 million statue called "Spirit" is well-known, because it once was located outside the Fleischer Museum in Scottsdale and appeared on the cover of a local Chamber of Commerce publication for many years.

Local entrepreneur Morton Fleischer and his wife, Donna, an ASU graduate, donated the bronze statue to the W. P. Carey School in hopes it will inspire students about enterprise, philosophy and art.

The 14-foot-tall, 20-foot-long statue by sculptor Buck McCain depicts five larger-than-life horses rising out of the earth. The artist's Web site describes it as "a symbol of democratic capitalism at its best."

Several plaques with inspirational messages by Fleischer about America, freedom and achievement will be placed at the statue's new site.

"We believe an appropriate location for 'Spirit' is near the W. P. Carey School of Business, since the statue artistically represents what American entrepreneurs and business people have been able to accomplish within America's vibrant framework," says Fleischer – who, along with associates, built Franchise Finance Corp. of America and Spirit Finance Corp. into New York Stock Exchange-listed enterprises for more than 25 years and then sold them. " 'Spirit' symbolizes the power of political and economic freedom that makes this country great.

This statue deserves to be in a place where it can help educate young people about the boundless opportunities and achieve-



Valley entrepreneur Morton Fleischer and his wife, Donna, donated this bronze statue, titled "Spirit," to the W. P. Carey School in hopes it will inspire students about enterprise, philosophy and art.

ments America – and freedom – provide us."

Fleischer, an acquaintance of William Polk Carey, the New York banker for whom the W. P. Carey School is named, also donated the transportation and installation costs for the statue's move.

"We greatly appreciate the generous donation of Mort and Donna Fleischer," says Robert Mittelstaedt, dean of the W. P. Carey School. "We hope this art outside the school will help inspire our students with the same enterprising messages we deliver inside the classrooms."

Freeman, with the W. P. Carey School of Business, can be reached at (480) 965-9271 or [debbie.freeman@asu.edu](mailto:debbie.freeman@asu.edu).

## ASU-affiliated solar testing facility opens doors in Tempe

By Karen Leland

On Jan. 13, TUV Rheinland Group and ASU celebrated the launch of TUV Rheinland PTL, the world's most comprehensive and sophisticated facility for testing and certification of solar energy equipment.

TUV Rheinland PTL, a new private venture, significantly upgrades the technology and know-how of the former ASU Photovoltaic Laboratory (PTL). Its new location in Tempe is close to ASU and Phoenix Sky Harbor International Airport.

With a new facility and additional human resources, the lab more than doubles its previous capacity and now provides a unique one-stop source for clients to get full testing and certification for all safety and performance standards in use by the industry anywhere in the world.

The just-opened 40,000-square-foot facility is staffed with the world's most technically competent and capable solar testing team. It is equipped with state-of-the-art solar simulators and temperature-humidity environments. Its clients can take advantage of full system testing for all photovoltaic system components, including inverters, grid-tied electronics, controllers, motion and tracking devices, and wireless control electronics. In addition, clients can get technical direction and testing on standards for newly emerging technologies, such as concentrating photovoltaic, concentrating solar power and building-integrated photovoltaic.

This venture is the product of a farsighted collaboration between TUV Rheinland and ASU. The former ASU-PTL lab, established in 1992, was the first accredited photovoltaic qualification testing laboratory in the United States, and it is one of just a few in the world. Many in the solar testing industry today have roots that connect them to ASU-PTL.

Arizona's largest electric provider, Arizona Public Service, worked with the new venture by providing five acres of outdoor testing space at its renowned Solar Test and Research (STAR) Center for use in conducting outdoor endurance testing. The STAR Center, a pioneering facility among U.S. public utilities, was established in 1985. It has earned an international reputation as a leader in the commercial development and proof of operation for emerging solar energy technologies including Dish-Stirling arrays, high concentration photovoltaic systems, and innovative solar tracking systems.

Leland, with the Global Institute of Sustainability, can be reached at (480) 965-0013 or [karen.leland@asu.edu](mailto:karen.leland@asu.edu).

## ASU center initiates bully prevention efforts

The prevalence of bullying in the United States is overwhelming. Almost 30 percent of students – more than 5.7 million – in grades 6-10 are involved in some type of bullying.

In a recent national survey of students in grades six through 10, 13 percent reported bullying others, 11 percent reported being the target of bullies, and 6 percent say they bullied others and were bullied themselves.

The true figure is almost certainly higher, since experts believe most instances of bullying are not reported.

Impacts of bullying are widespread, from poor academic scores to taking valuable time and resources from a classroom environment. Those who are bullies as children often grow up to be adult bullies who are more likely to be convicted of crimes.

Arizona has responded to this issue through the Arizona Bully Prevention Initiative, a public-private partnership established in 2003 that includes the Governor's Office for Children, Youth and Families-Parents Commission, ASU's Arizona Prevention Resource Center and the Men's Anti-Violence Network. Arizona also requires

school governing boards by law to adopt and enforce procedures that prohibit the harassment, bullying and intimidation of pupils.

"The Governor's Office for Children, Youth and Families-Parents Commission provided the bulk of funding to supply bully prevention training and materials, and the Men's Anti-Violence Network provided corporate and private sponsorships for specific components of the project," says Cassandra Larsen, director of the Arizona Prevention Resource Center. "Private partners also provided marketing and public relations services."

Through the efforts of the partnership led by the Arizona Prevention Resource Center, part of ASU's Vice President for Education Partnerships office, bully prevention has come to the forefront of safety interventions in Arizona's schools.

During the 2003-2004 school year, 13 schools from eight districts participated in an evidence-based bully prevention program. In the five years since, the Arizona Prevention Resource Center has taken the program to more than 160 schools serving almost 115,000 students.

The purpose of the Arizona Prevention Re-

source Center, which serves as project administrator and evaluator, is to provide a catalyst to promote prevention techniques through evidence-based practices that improve social outcomes.

"The (Olweus Bully Prevention) program has made the kids more aware of what bullying is," write Trina Howard, Mary Griffin, Mike Hohmam and Ginger Baron, teachers at Lowell Elementary School in the Phoenix Elementary School District. "The students are now more comfortable and more likely to come to teachers when they witness a bullying incident."

Early results from the program are promising. Schools that implement the program have experienced decreases in bullying behavior ranging from 26 percent to 44 percent.

Most sites that have implemented the program have reported a decrease in disciplinary referrals, with one school reporting a 30 percent decrease. Although some schools saw a moderate decrease in absenteeism, one school in particular reported a 20 percent decrease.

For more information, contact Ruby Alvarado Hernandez at [ruby.alvarado@asu.edu](mailto:ruby.alvarado@asu.edu).

## Nursing college, Idea Crossing team up for 1st national Healthcare Innovation Challenge

By Terry Olbrysh

ASU's College of Nursing & Healthcare Innovation will conduct the first national Healthcare Innovation Challenge in partnership with Idea Crossing Inc., a firm that helps organizations run idea competitions.

The online challenge, which began Jan. 20 and runs through May 1, features competition among university transdisciplinary student teams. Students will compete in three major categories:

- Information technology in health care.
- Re-engineering care and use of interdisciplinary teams.
- Health care improvements using Internet Social Networks/Health 2.0 platforms.

The competition is open to teams of three to five graduate and undergraduate students for an entry fee of \$125. After release of the specific challenge questions framed by major sponsors, teams will submit a three-page concept paper that will be evaluated online by 120 independent expert judges representing health care, academic and business entities. The six top teams will receive an expense-paid trip to Phoenix for final presentations May 1, with the winning team receiving an \$8,000 prize.

Idea Crossing, located in Los Angeles, created the successful MBA Innovation Challenge in 2002 and employs Challenge Accelerator, a proprietary software platform to conduct the competition completely online.

"The Healthcare Innovation Challenge differs from our previous partner challenges in two ways," notes Garen Corbett, Idea Crossing's director of the challenge. "The first is that it is cross-disciplinary and seeks participation from many professions. The second unique aspect of this initiative is that the strategic solutions generated by the student teams will generally be open to any innovator as publicly available intellectual property, rather than the sole intellectual property of sponsors."

For more information, visit the Web site <http://healthcareinnovationchallenge.com>.

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