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Women in Business

On Feb. 26, from 7:30 a.m. to 9 a.m., the ASU Alumni Association will showcase four successful Sun Devil women who will discuss what it takes to make it in business, as well as what it takes to make a difference in the world, at its "Love What You Do, Do What You Love" breakfast and panel discussion.

The event will take place at the Buttes, A Marriott Resort, located at 2000 Westcourt Way in Tempe.

The four alumnae featured in the panel discussion at the event include:

- Betsy Bayless, chief executive officer of Maricopa Integrated Health System and former Arizona secretary of state.
- Michelle Kort, founder of As You Wish Pottery.
- Denise Resnik, owner of Denise Resnik & Associates and co-founder of the Southwest Autism Research & Resource Center.
- Mary Kim Titla, an award-winning broadcast journalist and publisher of *Native Youth Magazine*.

The event will be conducted by the association's Women in Business networking program.

According to Alissa Pierson, associate executive director for alumni programs, the breakfast is one component of the Women in Business program, which allows female graduates of ASU to stay connected to the university, expand their business network and learn more about what the Alumni Association can do to deepen their Sun Devil connections.

"We're really excited that we could bring these four accomplished women, each with a degree from ASU, together to discuss their path to success," Pierson says. "We hope that the event sparks participants' creativity and inspires them to collaborate on projects that will enhance our community and world."

The event is \$40 for members of the ASU Alumni Association and \$45 for non-members.

For more information, and to R.S.V.P., visit the Web site www.asu.edu/alumni/programs/women_in_bus.shtml.

ASU on the Web

The latest university news videos can be found on ASUnews.

The Web site's newly expanded video list includes news, sports and features. It can be found at <http://asunews.asu.edu/video>.

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

Researchers: Early humans had 'jaws of steel'

By Jodi Guyot

Moms tell their children not to use their teeth as tools to open something hard – and they're right. Human skulls have small faces and teeth, and as such we're not well-equipped to bite down forcefully on hard objects.

But that was not the case for our earliest ancestors, scientists say. New research published in this month's issue of *Proceedings of the National Academy of Sciences* reveals the nut-cracking abilities in our 2.5-million-year-old relatives that enabled them to alter their diet to adapt to changes in food sources in their environment.

Mark Spencer, an ASU assistant professor, and doctoral student Caitlin Schrein in ASU's School of Human Evolution and Social Change

are part of the international team of researchers who devised the study featured in an article titled "The feeding biomechanics and dietary ecology of *Australopithecus africanus*."

By using state-of-the-art computer modeling and simulation technology – the same kind engineers use to simulate how a car reacts to forces in a front-end collision – evolutionary scientists built a virtual model of the *A. africanus* skull. From it, they were able to see just how the jaw operated – and what forces it could produce.

"We started with a CT scan of a skull that is one of the most complete specimens of *A. africanus* that we have," says Spencer, a researcher in ASU's Institute of Human Origins and a lead investigator on the project, which was funded

by the National Science Foundation and European Union.

This specimen is a later ancestor of Lucy – STS5 – who is affectionately known as "Mrs. Ples." The skull, discovered in 1947, has struts on the side of the nose, but no teeth.

"We meshed those data with another specimen with teeth to make the virtual model of the bone and tooth structure," Spencer says. "Then we looked at chimpanzees, who share common features with *Australopithecus*, and took measurements of how their muscles work and added that to the model. We were able to validate this model by comparing it to a similar model built for a species of monkey called macaques."

(See EARLY on page 6)



TOM STORY PHOTO

Partners in higher education

Anthony "Bud" Rock, left, ASU's vice president for global engagement, and Jian Shi, vice president for global engagement and human resources at Sichuan University, exchange documents Feb. 9 during the Sichuan University Showcase at ASU. The event was one of a series of programs that highlighted ASU's involvement with the Chinese university.

Biodesign Institute

DNA 'nanotubes' spark interest

By Richard Harth

ASU researchers Hao Yan and Yan Liu imagine and assemble intricate structures on a scale almost unfathomably small. Their medium is the double-helical DNA molecule, a versatile building material offering near-limitless construction potential.

In the Jan. 2 issue of *Science*, Yan and Liu – each researchers at ASU's Biodesign Institute and faculty members in the Department of Chemistry and Biochemistry – re-

veal for the first time the three-dimensional character of DNA nanotubes, rings and spirals, each a few hundred-thousandths the diameter of a human hair.

These DNA nanotubes and other synthetic nanostructures could soon find their way into a new generation of ultra-tiny electronic and biomedical innovations.

Yan and Liu are working in the rapidly proliferating field of structural DNA nanotechnology. By copying a page from

(See DNA on page 7)

ASU to study power of affectionate physical contact

By Steve Des Georges

Forget the chocolates in a heart-shaped box, the expensive dinner at the five-star restaurant and the once-annual bouquet of roses. Two ASU researchers – Mary Burleson, an associate professor of psychology in the Division of Social and Behavioral Sciences, and Mary Davis, a professor in the Department of Psychology – suggest that there may be a better, cheaper and even healthier Valentine's Day gift: affectionate touch.

And they are about to gather some scientific evidence to help us better understand how such physical contact produces health benefits.

Burleson and Davis, with support from the National Institutes of Health (NIH),



Mary Burleson



Mary Davis

will investigate the possibility that one of the mechanisms by which social contact enhances health and well-being is simple physical affection. Burleson and her students in ASU's New College of Interdisciplinary Arts and Sciences will specifically explore the cardiovascular effects of affec-

tionate touch between spouses.

"I've always been interested in how touch and physical interaction affect people," says Burleson, who received her doctorate in psychology from ASU in 1994 and has taught at the university since 1997. "Touch is a powerful way we regulate our feelings. How can you not be interested? It's who we are. The more we know about touch, the more we can help people overcome their challenges, their stress, and even mental disorders."

She also notes that the results of her work have the potential to be useful in developing behavioral interventions for stress management – and to enhance adult health and well-being.

(See PAIR on page 7)

ASU senior's lab work earns Millennium Scholar award

By Sarah Auffret

When Stefani Baca began her studies at ASU in 2006, all it took was one freshman psychology class to set her heart on a career. She knew she wanted to help families and children, so the following spring she convinced her psychology professor, Keith Crnic, that she was serious about assisting him in his research lab.



Stefani Baca

Almost two years later, Baca has proven herself such an outstanding undergraduate researcher that she has been selected as a Millennium Scholar by the Society for Research in Child Development. The competitive national award will provide full funding for her to attend the organization's biennial meeting in Denver for several days next month, pairing her with mentors before, during and after the conference.

The Millennium Scholars Program was developed to encourage and support undergraduates from under-represented groups to pursue graduate work in child development and related disciplines. Crnic says she may be the first ASU student to receive the award.

"Stefani has been one of the best undergraduate research assistants we've had in the lab," Crnic says. "She is a natural in the way she understands the nuance of parent-child emotion interactions. She is a wonderful student."

"Stefani worked in my lab for over a year, and was instrumental in helping us bring raw

(See ASU SENIOR on page 7)

Panchanathan takes lead role in boosting ASU research opportunities

Sethuraman "Panch" Panchanathan has been appointed deputy vice president for research and economic affairs, a newly created position at ASU.

R.F. "Rick" Shangraw, ASU's vice president for research and economic affairs, established the position to boost ASU research opportunities.

"Panch will be a key adviser to (ASU) President (Michael) Crow and myself for the development of strategies to advance ASU's research agenda with the public and private sectors," Shangraw says. "He'll also act as liaison with ASU's faculty by providing guidance and assistance aimed at strengthening their ability, enhancing their research portfolios and showcasing their research impact."

In his new role, Panchanathan expects to focus most of his time and energy in helping to advance strategic research initiatives for ASU while continuing to be engaged in research and mentoring graduate students.

"In the middle of this economic crisis, advancing research becomes even more important to serve as an economic engine," Panchanathan says. "ASU is endowed with outstanding faculty with excellent research credentials. We are uniquely positioned to tackle larger problems that affect society both locally and

globally. As I begin this journey, I welcome faculty and interdisciplinary groups to enlighten me and engage me in their research so that I can best serve them."



Sethuraman Panchanathan

Panchanathan came to ASU in 1997 as a faculty in the Computer Science and Engineering Department. He founded the Research Center for Cognitive Ubiquitous Computing (CUBiC) in 2001, which focuses on designing diagnostic, rehabilitative and assistive technologies for individuals with disabilities. He served as chair of the Computer Science and Engineering Department (2002-2008) and was one of the ASU representatives in the creation of the University of Arizona College of Medicine, in partnership with ASU. He also founded ASU's School of Computing and Informatics (SCI) and the Department of Biomedical Informatics in 2006, and served as the founding director of SCI until his recent appointment.

"I have enjoyed envisioning new initiatives and building them by leveraging our faculty expertise and attracting new faculty to

these initiatives," Panchanathan says. "I am excited by the opportunity to advance our research strategy based on our faculty expertise and linking them to federal, state and industry opportunities. It is a privilege to play a part in realizing the ambitious goals set forth for our research enterprise by President Crow and vice president of research Shangraw."

Panchanathan has continued an active role in research. He has published more than 300 papers in refereed journals and conferences and mentored more than 100 graduate students, post-docs, research engineers and scientists who occupy leading positions in academia and industry. He has been a scientific adviser to start-up companies, has a number of patents and disclosures, and he also co-founded a start-up company, MotionEase Inc.

CUBiC's iCARE won the Governor's Innovator of the Year award in 2004.

Panchanathan is a fellow of the Institute for Electrical and Electronic Engineers (IEEE) and the Society for Optical Engineering (SPIE). He is the editor-in-chief of the IEEE's *Multimedia Magazine* and is an editorial board member for a number of other journals.

Crow has appointed Panchanathan as a foundation chair of computing and informatics at ASU.

Law school's alumni group honors trio

By Janie Magruder

Three students received tuition or book scholarships from the Sandra Day O'Connor College of Law's alumni association at its annual luncheon Feb. 3.

A tuition scholarship of \$16,040 was awarded to third-year law student Julie Pasquale, an articles editor at *Jurimetrics: The Journal of Law, Science & Technology*, a Public Interest summer fellow and president of the college's advocacy program against domestic violence. The scholarship is based on academic success, as well as contributions to the law school, the State Bar of Arizona and the community, and pro bono activity. It is presented each year to a second- or third-year student.

The association board also awarded two annual book scholarships in honor of Kevin Kane, a 1971 College of Law alumnus and founding member of the alumni association. Kane, a president of the association for three years and a director for two decades, died of Hodgkin's lymphoma in 1999.

Marisol Diaz, a third-year law student who is secretary of the Chicano-Latino Law Student Association and is involved in the Hispanic National Bar Foundation Inc.'s summer camp for high school students, received a \$200 book scholarship. A \$250 book scholarship was awarded to first-year law student Tara Sheram, a Charles E. Jones Merit Scholar who is active in the Student Bar Association, Wills for Heroes and the Women Law Students' Association.

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

Report: Officials should grab North American opportunities

As President Barack Obama prepares for his first foreign presidential trip to Canada Feb. 19, leading experts in the United States, Canada and Mexico are urging his administration to strengthen U.S. partnerships with its neighbors on challenges ranging from border security to global competitiveness and environmental protection.

Their recommendations were released Feb. 10 in a report titled "North America Next: Report to President Obama on Building Sustainable Security and Competitiveness."

The report, prepared by ASU's North American Center for Transborder Studies (NACTS), represents more than a year of consultations by its consortium of leading experts and universities in the three countries.

Despite the multiple crises facing the new administration, Rick Van Schoik, director of NACTS, says that recognition of the "urgency next door" is required "because a number of significant challenges facing the United States also have created unprecedented North American opportunities for enhancing our nation's competitiveness, security and sustainability."

"Almost 40 million jobs were created in the United States, Canada and Mexico between 1993 and 2007, and today Canada and Mexico are respectively the first- and third-ranked trading partners and foreign suppliers to the United States," he says. "Our challenge should not be to undo the North American Free Trade Agreement, but to build a North American strategy for the 21st century – one that generates economic development and job creation for all three nations."

Border congestion following the Sept. 11, 2001, terrorist attacks in New York and Washington has left America, in many ways, poorer, less secure and with major environmental challenges in the border region itself, Van Schoik says. One estimate cited a \$7.2

billion annual output loss, or the equivalent of 62,000 jobs, between just two border sister cities in 2007 because of border congestion, traffic and paperwork.

In contrast, Van Schoik says, "smart infrastructure investments can simultaneously enhance U.S. and North American security, competitiveness and sustainability by creating jobs, enhancing outdated infrastructure and facilitating faster and 'greener' trade."

Other urgent challenges cited by Van Schoik include:

- The necessity of increasing global competitiveness with other trading blocs, a vital element for sustainable economic recovery.
- Security threats to North America from the narcoinsurgency waged by Mexican organized crime that is raging along the border, fueled by guns and cash from the United States.
- Rapidly accelerating climate change that underscores the need to deal with emissions, water shortages and lost biodiversity.
- The prospect of "achieving energy security next door, not an ocean away, if we do a few things right ... and right now," he says.
- Mexico's difficult commitment to economic, legal, and political reform, which "offers a vital window of opportunity that simply must be supported, as potential risks and benefits extend far beyond its borders," he says.

"These challenges also are opportunities," Van Schoik says.

He also outlined recommendations that are

"highly doable" in the near or medium-term, including:

- Strengthening the Mérida Initiative in a way that maximizes bipartisan U.S. support and bipartisan Mexican consensus and buy-in.
- Energizing the North American Trilateral Leaders Summit by expanding involvement by the three federal legislatures and other key stakeholders.
- Designating a North America and borders authority to coordinate sustainable security, preferably within the National Security Council, with a focus upon all critical border functions.
- Expanding joint risk assessment and preparedness for enhanced joint defense and better management of natural and human-generated catastrophes.
- Developing an effective North American trade and transportation plan that addresses congestion, bottlenecks and infrastructure in all three countries.
- Creating a joint, revolving fund for infrastructure investments in North America, jump-starting the collective economic engine for global competitiveness.
- Implementing a North American greenhouse gas exchange strategy to promote energy independence and climate security.
- Establishing joint, practical assessment of progress on key North American issues.

"These challenges also are opportunities."

– Rick Van Schoik, director of ASU's

North American Center for Transborder Studies

Law school graduate details 'energy revolution'

By Janie Magruder

Just as mainframe computers no longer are part of the future of information technology, so are fossil-fueled power plants becoming less vital to tomorrow's energy production, a solar-energy visionary told a College of Law audience Feb. 3.

Michael Ahearn, chief executive officer and chairman of First Solar, was the guest speaker at the 2009 alumni luncheon of the Sandra Day O'Connor College of Law. Ahearn, a 1982 graduate of the college, leads the Tempe-based developer of technologies aimed at reducing the costs of solar energy and making it a sustainable alternative to conventional energy sources.

"When it comes to the world's energy infrastructure, we are reaching a point of no return where it becomes inevitable that there will be a change, and it will be very dramatic," he says. "The forces that drive this will pick up momentum and speed."

Ahearn's innovative approaches to solving problems as critical as global warming and the world's reliance on non-renewable energy are models that the College of Law wants to incorporate into its education of future lawyers, says Paul Schiff Berman, the college's dean.

"His extraordinary commitment and the intelligence he brings to thinking long into the future, what's going to happen to our society and our world is really inspiring to watch," Berman said in his introduction of Ahearn. "We are pursuing a comprehensive law and sustainability

program at the Sandra Day O'Connor College of Law to provide a focal point for research and policy analysis on these issues."

Among Ahearn's predictions:

- Fossil fuels will be replaced by renewable energy sources, primarily solar and wind, and augmented by new storage technology such as fuel cells.
- Gas, diesel and natural gas will be replaced by electricity, and homes and automobiles of the future will be designed to reduce greenhouse gases.
- Consumers will charge their own vehicles, generate their own power, sell the excess to other consumers, and be compensated for reducing greenhouse gas emissions.
- "You will be able to become your own sophisticated energy traffic cop," he says.

Ahearn says his predictions are based on a growing global consensus that the planet is warming, and that radical changes in policies and actions are needed to prevent catastrophe from skyrocketing greenhouse gases.

"By 2050, the world will have to operate at 80 percent fewer greenhouse gas emissions than existed in 1990," he says. "Think of what that will require: we need a revolutionary energy system fully implemented by all industrialized countries to have a shot at it."

"And for industrialized countries that are not fossil-fuel rich – the United States, Europe, China and Japan – it's a matter of national security to become independent of the fossil fuel-rich countries."

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Michael Ahearn

ASU Insight

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William C. Canby Lecture

Enos focuses talk on delicate balance of power

By Judy Nichols

Diane Enos, president of the Salt River Pima-Maricopa Indian Community, will speak on "Tribal Governance and Individual Rights: the Delicate Balance of Power and Alarm," at the second annual William C. Canby Lecture.

The lecture, presented by the Indian Legal Program at ASU's Sandra Day O'Connor College of Law, is named in honor of judge William C. Canby Jr. of the Ninth U.S. Circuit Court of Appeals and a founding faculty member of the College of Law.

The lecture will take place at 4:30 p.m., Feb. 17, in the Great Hall of Armstrong Hall on ASU's Tempe campus. It is free and open to the public.

A reception will take place after the lecture. Registration is preferred; to register, call (480) 965-7715 or visit the Web site www.law.asu.edu/ILP.

"The Indian Legal Program is honored to host President Enos as our distinguished speaker for the annual Canby Lecture," says Rebecca Tsosie, executive director of the Indian Legal Program. "President Enos is a visionary leader for her community and for Indian country. She has a rare understanding of the complex legal, political and cultural issues that are at the heart of tribal governance."

"President Enos is deeply committed to Native American sovereignty, and she has worked tirelessly to promote the growth and development of the Salt River Pima-Maricopa Indian Community," Tsosie says. "She has chosen one of the most important challenges in Indian country for the topic of her presentation, and we deeply appreciate her courage, insight and perspective as a distinguished tribal leader, and as an alum of the Sandra Day O'Connor College of Law."

Paul Schiff Berman, dean of the College of Law, says the Canby Lecture celebrates the college's long history of study of Indian law.

"Judge William Canby is a towering figure in the life of the Sandra Day O'Connor College of Law, having been part of the founding generation of faculty here," Berman says. "Moreover, as a scholar and judge, he has long been one of our nation's most thoughtful commentators on the complex issues at the heart of Indian law. Accordingly, we are very pleased to honor him each year with this lecture series – and in Diane Enos we have a dynamic community leader who will surely give a memorable lecture grap-



Diane Enos

pling with the relationship among the sometimes conflicting claims of tribal autonomy and individual rights."

Robert Clinton, Foundation Professor of Law in the Indian Legal Program, applauds the timely nature of Enos' talk.

"Respect and honoring individual autonomy has always been a critical part of most tribal cultures," Clinton says. "Nevertheless, as Indian tribes develop both economically and politically, one of the hardest and most controversial questions they confront is how to transform governance from a principal defensive focus on community and survival to one that additionally recognizes that individuals may hold and enforce rights, such as due process, against the tribal government. Exactly how Indian tribes should address that delicate and important balance will be the timely centerpiece of President Enos' important talk."

Enos is the 23rd president of the Salt River Pima-Maricopa Indian Community, and the second woman elected to the office. She also is the first member of the Salt River Indian Community to become a lawyer.

She is the daughter of Naomi and Johnson Enos, and the great-granddaughter of Jose Anton, one of the leaders of the Pima communities at the time of the Indian Reorganization Act.

Enos earned her bachelor's degree in fine arts at ASU, graduating cum laude, and she initially planned to pursue a career as an artist. Five of her paintings hang in the Sacaton hospital on the Gila River Indian Community, and in New York and Maine.

She became interested in law and politics while working as a news reporter, covering the proposed Pima Freeway for the Scottsdale Progress, and she graduated from the Indian Legal Program at the College of Law in 1992. She worked at a small Phoenix law firm, practicing primarily immigration and civil law, and was a senior trial attorney in the Maricopa County Public Defender's Office for 11 years.

Enos first was elected to the SRP-MIC Council while a second-year law student, and she served for 16 years before being elected president. She has spent her entire professional life in community service, and is dedicated to promoting education for the Salt River Pima-Maricopa people and creating new opportunities for traditional O'odham (Pima) and Piipaash (Maricopa) life to flourish within the community.

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

Report prompts forensic science conference at ASU

By Janie Magruder

A highly anticipated report by a National Academy of Sciences committee on the forensic sciences is expected to be a "sweeping critique" of evidence used by police and prosecutors to convict defendants and likely will include controversial recommendations that would substantially change the field, according to a newspaper report.

A Feb. 4 article in the *New York Times*, titled "Science Found Wanting in Nation's Crime Labs," in which people who have seen drafts of the report are quoted, says forensic evidence "often is the product of shoddy scientific practices that should be upgraded and standardized."

On April 3-4, ASU's Sandra Day O'Connor College will issue the first major response to the report when it convenes an international body of experts from the fields of forensic science, criminalistics and scientific evidence to discuss "Forensic Science for the 21st Century: The National Academy of Sciences Report and Beyond."

The conference is sponsored by the college's Center for the Study of Law, Science and Technology, the National Judicial College, and the ABA Sections of Science & Technology Law and Criminal Justice. It will take place in Armstrong Hall on ASU's Tempe campus.

Paul Schiff Berman, the college's dean, calls the impending report "a blockbuster that will completely change the legal landscape regarding forensic evidence."

"I am, therefore, very pleased that the Sandra

Day O'Connor College of Law will be conducting this important gathering of scholars, judges, scientists and lawyers to discuss the report's implications," Berman says.

In his interview with *Times* reporter Solomon Moore, Michael Saks, the Alan A. Matheson Professor of Law at the Sandra Day O'Connor College of Law, comments on how the report likely will be used by practitioners in the field.

"This is not a judicial ruling; it is not a law," says Saks, a conference co-chairman and expert in issues relating to forensic identification and erroneous convictions connected to forensic science. "But it will be used by others who will make law or will argue cases."

The report is expected to be used by defense attorneys seeking to challenge forensic procedures and expert witnesses in court, and judges could use its findings to raise the bar for admissibility of certain types of forensic evidence, as well as to rein in exaggerated expert testimony, according to Moore's article.

The NAS committee's recommendations also could result in federal forensic reform, from the establishment of a federal agency to finance research and training and promote universal standards in forensic science, to tougher regulation of crime laboratories, according to the *Times* article.

"Experts around the country believe that this report will have a profound impact on the practice and presentation of the non-DNA forensic sciences," says Jay Koehler, a professor at the College of Law and conference co-chairman who

conducts extensive research in the area of how jurors, attorneys and experts think about scientific and statistical evidence.

The conference has attracted the most prominent people in the field, including the NAS committee's co-chairmen, Harry Edwards, senior circuit judge and chief judge emeritus of the U.S. Court of Appeals for the D.C. Circuit, and Constantine Gatsonis, a professor of medical science (biostatistics) and founding director of the Center for Statistical Sciences at Brown University.

Other notable experts on the program include Henry Lee, chief emeritus of the Connecticut Forensic Science Laboratory and founder of the University of New Haven's Forensic Science Program; Peter Neufeld, co-director of the Innocence Project at the Benjamin N. Cardozo School of Law at Yeshiva University; U.S. courts of appeals judges; state supreme court justices; and the country's top teachers and scholars of evidence law.

The conference is a must for practitioners who produce, use or evaluate forensic science evidence, including prosecutors, public defenders, private attorneys, forensic scientists, technicians and laboratory managers, criminalistics, law professors and students, and teachers of criminal justice and evidence.

For more information, and to register, visit the Web site <http://LST.law.asu.edu>.

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

ASU Police to conduct regional safety conference

By Marshall Terrill

ASU Police will conduct a regional safety conference to ensure that campuses around the country remain a secure environment.

More than 200 campus law enforcement, administrators, mental health professionals, residence life, legal counsel and human resource employees will gather for "Process Improvements for College Threat Assessment," a safety conference scheduled for Feb. 19-20 at ASU's Memorial Union.

"This is a conference bringing together all of the top leaders in their respective fields to share best practices and assist universities and colleges to make their campuses safer," says ASU Police Cmdr. Richard Wilson. "This is about how to collect and connect the dots, and what do you do with the dots when you gather the information."

Wilson says the focus of the conference is to expose participants to models, checklists, protocols and policies that can be customized to meet the needs of their respective communities. Participants will network with experts, colleagues and professionals who can serve as valuable resources to confer on challenging cases or unique situations.

Some of the topics include student behaviors, counseling service models,

risk management, threat detection, conducting criminal investigations, violence assessment, mental-health issues, student affairs and campus life.

In addition to campus safety, the conference also will focus on ensuring student success says Martha Dennis Christiansen, associate vice president of University Student Initiatives and director of counseling and consultation at ASU's Tempe campus.

"The expert presenters have extensive experience supporting student success," Christiansen says. "One of the things I appreciate about ASU is that they are committed to helping our students meet their goals in a safe and supportive environment."

The two-day conference is \$95 per person, and registration is limited to 200 attendees. The fee includes a continental breakfast and lunch each day. To view the conference agenda, or to register online, visit the Web site <http://events.SignUp4.com/asutaconference>.

For more information about the conference, call Wilson at (602) 496-1230 or richard.wilson@asu.edu.

Terrill, with Public Affairs, can be reached at (602) 496-1005 or marshall.terry@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 court order has been issued against Arizona's photo-radar law, stating it is unconstitutional because it denies equal protection under the law by issuing lower fines for the same violation than one would receive if stopped by an officer. ASU law professor **Paul Bender** says it is unusual for a person to claim unequal punishment when that person is the one receiving the lesser sentence. "It is usually the person who's treated worse who has the right to complain," Bender says. "I doubt if someone who is better off by being caught on film than he would have been if he had been caught by a cop should be able to complain that he was treated better than other similarly situated people." *Arizona Republic*, Jan. 28.

According to experts, a metals commodities boom that hit Arizona for the better part of a decade may be winding down, as inventory in some yards hasn't moved for months. **Dennis Hoffman**, an economics professor at ASU, says Arizona's export-based industries are key to the region's growth and prosperity. "Without export-based businesses, we get no injections in this state," he said. "The world recession or depression that we're in right now, I expect, will put a real damper on the export picture." *Phoenix Business Journal*, Feb. 2.

ASU's **Dan Sarewitz**, a science and society professor, is trying to figure out a better way to change the way the world uses energy. Using energy "is really the metabolism of modern industrial society," Sarewitz says. "And changing that system is not about replacing a few technologies or advancing our level of efficiency along certain fronts." He says forcing everyone to pay more for energy is doomed both economically and politically. "Politically, what you're asking people to do is to pay a huge upfront cost for benefits many decades down the road that they can't even anticipate or predict," Sarewitz says. "That is politically an extremely difficult sort of situation to manage." *National Public Radio*, Feb. 4.

Our ancient human relatives had jaws like nutcrackers that allowed the hominids to chomp down on hard nuts and seeds and adapt to changes in food sources in their environment, a new computer simulation reveals. The simulations also reveal how the hominid's unusual facial features were ideally suited to support the heavy loads of cracking hard nuts. "This reinforces the body of research indicating that facial specializations in species of early humans are adaptations due to a specialized diet," says anthropology professor **Mark Spencer**. *U.S. News & World Report*, Feb. 4.



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

Lectures

Friday, Feb. 13

"Walking with Springs," 2:30-3:30 p.m., Schwada Classroom Office Building (SCOB) room 252. Speaker: Thomas Sugar, ASU. Sponsored by Mechanical and Aerospace Engineering Department. Information: (480) 727-0476.

"Philosophy Last, Reality Never," 3:30 p.m., Coor Hall room 174. Speaker: Shaughan Lavine, University of Arizona. Sponsored by Department of Philosophy. Information: (480) 965-9860.

"It Is the Thought that Counts: Unwrapping the 'Package' of Modern Human Behavior for the First Australians," 3:30-4:30 p.m., School of Human Evolution and Social Change (SHESC) room 340. Speaker: Iain Davidson, Department of Anthropology, Harvard University. Sponsored by the School of Human Evolution and Social Change. Information: <http://shesc.asu.edu/colloquia>

"Some Recent Developments in Unconventional NMR and MRI," 3:30 p.m., Bateman Physical Sciences Center (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., Memorial Union (MU) Pima Auditorium (230). A panel discussion on teaching and the future. Part of ASU Darwinfest. Information: (480) 727-8934.

Monday, Feb. 16

There is Nothing More Permanent Than a Posthole: Recent Excavations at Hierakonpolis, Upper Egypt, by the University of British Columbia," 7 p.m., Coor Hall room 170. Speaker: Thomas Hikade, assistant professor of Egyptology at the University of British Columbia, and a specialist on stone tools in Egypt and Jordan. Presented by the Archaeological Institute of America, Central Arizona Society. Information: www.centralazaia.ning.com.

Tuesday, Feb. 17

"Somatic Evolution as a Unifying Theory of Cancer," 11 a.m., Biodesign Institute Auditorium. Speaker: John Pepper, assistant professor, Department of Ecology and Evolutionary Biology, University of Arizona, and co-director, Complex Systems Summer School (Santa Fe Institute and Central European University), Budapest, Hungary. Sponsored by Biodesign Institute Center for Innovations in Medicine. Information: (480) 727-0370.

"DNA Database Woes and the Birthday Problem," 12:10-1 p.m., Armstrong Hall (LAW) room 114. David Kaye, Regents' Professor of Law, Professor of Life Sciences, and Faculty Fellow, Center for the Study of Law, Science and Technology at the College of Law, will describe and discuss "impossible" DNA matches and show that accounts in the popular press are misleading. Co-sponsored by the Law and Science Student Association and ASU's Center for the Study of Law, Science and Technology. Information: (480) 965-2465 or Sandy.Askland@asu.edu.

"Careers for Scientists in IP: Myths and Reality," 3-4 p.m., Biodesign Institute auditorium. Speaker: Jeremy Burdon, director of intellectual assets, ASU Foundation. Part of the Biodesign Graduate Student Organization "Careers Beyond the Lab" Seminar Series. Information: (480) 727-0370.

Annual William C. Canby Distinguished Scholar Lecture, 5-7:15 p.m., LAW Great Hall. Diane Enos, president of the Salt River Pima-Maricopa Indian Community, speaks on tribal issues. Reception to follow. Information: Darlene.Lester@asu.edu, (480) 965-7715 or Darlene.Lester@asu.edu.

Wednesday, Feb. 18

"Species Exploration: Transforming Discovery to Meet the Biodiversity Crisis," 5:30-6:30 p.m., Arizona Science Center, 600 E. Washington St., Phoenix. Speaker: Quentin Wheeler, vice president and dean of the College of Liberal Arts and Sciences, and director of the International Institute of Species Exploration. Information: (602) 716-2000.

"Darwin's Strange Inversion of Reasoning," 7:30-9 p.m., Paul V. Galvin Playhouse. Author, philosopher and director of the Center for Cognitive Studies at Tufts University Daniel Dennett presents the Beyond Center for Fundamen-

tal Concepts in Science Annual Lecture. Information: (480) 965-3240 or megan.fisk@asu.edu.

Thursday, Feb. 19

"Private Faith, Public Faith: Religion and Government," 1 p.m., West Hall (WHALL) room 135. Speaker: Daisy Khan, executive director, American Society for Muslim Advancement. Part of the Maxine and Jonathan Marshall Speaker on Religion and Conflict series. Sponsored by the Center for the Study of Religion and Conflict. Information: (480) 727-6736.

Friday, Feb. 20

"Social Studies: Project 4," 11 a.m., ASU Art Museum. Speakers: artist Paulo Nenflidio and John Spiak, ASU Art Museum curator. Part of the Conversations @11 Lecture Series. Information: (480) 965-2787.

"The Shadow of Words: Literature's Transformational Labor in Times of Global Distress," 1-2:30 p.m., Social Sciences Building (SS) room 109. Speaker: Gabriele Schwab. Visiting IHR Fellow, Chancellor's Professor of English and Comparative Literature, and former director of the Critical Theory Institute, University of California-Irvine. Information: (480) 965-7660 or Claudia.sadowski-smith@asu.edu.

"100 Million Years of Evolution Meet the Personal Genome," 2 p.m., Life Sciences Center (LS) E-104. Speaker: Arend Sidow, associate professor of genetics and pathology, Stanford Medical School. Sponsored by School of Life Sciences.

"Plasticity and Performance of the Skull and Feeding Apparatus," 3:30-4:30 p.m., SHESC room 340. Speaker: Matthew Ravosa, Department of Pathology and Anatomical Sciences, University of Missouri-Columbia. Sponsored by the School of Human Evolution and Social Change. Information: <http://shesc.asu.edu/colloquia>

"Unnatural Peptides: Past, Present and Future," 3:30 p.m., PS H-150. Speaker: Matthew Hartman, Department of Chemistry, Massey Cancer Center, Virginia Commonwealth University. Sponsored by Department of Chemistry and Biochemistry. Information: (480) 965-2093.

"Evolution and Faith Revisited: Can the Two Be Reconciled?" 5:30-7 p.m., Arizona Science Center, 600 E. Washington St., Phoenix. The Center's Science Cafe program joins with ASU Darwinfest for this unique event. Join in the discussion with biologist and historian of biology John Lynch, and Jewish philosopher and historian of Western religions Norbert Samuelson, ASU College of Liberal Arts. Information: (602) 716-2000.

Monday, Feb. 23

"From Dante to the Internet: Body and Soul as Aspects of Being," 12:15 p.m., LAW Great Hall. Speaker: Margaret Wertheim, internationally known science writer and commentator. Part of the Templeton Research Lectures: Facing the Challenges of Transhumanism. Sponsored by the Center for the Study of Religion and Conflict. Information: (480) 727-6736.

Wednesday, Feb. 25

"Writing the Codex: Gloria Anzaldúa, Mestiza Consciousness and Composing in Colonial Situations," noon-1 p.m. Anzaldúa is an assistant professor of English at the University of Arizona. Part of the Arizona Universities Faculty Exchange Lecture Series. Information: (480) 727-6096 or joe.lockard@asu.edu.

"Cost, Conflict and Climate: U.S. Challenges in the World Oil Market," 3 p.m., Global Institute of Sustainability (GIOS) room 481. Speaker: Severin Borenstein, professor, University of California-Berkeley, and director, University of California Energy Institute. Sponsored by Global Institute of Sustainability. Information: (480) 965-9301 or rod.groff@asu.edu.

"Aliens Under Our Noses?" 5:30-6:30 p.m., Arizona Science Center, 600 E. Washington St., Phoenix. Paul Davies, director of ASU's Beyond: Center for Fundamental Concepts in Science asks, "Is life on Earth a freak sideshow, or a natural and common product of a universe that has intrinsically bio-friendly laws?" Information: (602) 716-2000.

Thursday, Feb. 26

"The Importance of Intellectual Property in Advancing Science," 12:10-1 p.m., LAW room 114. Speaker: Rod Fuller, a member of Fennemore Craig's intellectual property and life sciences practice, which includes biotechnology, pharmaceuticals, medical devices and diagnostics. Sponsored by the Law and Science Student Association. Information: (480) 965-2465 or Andrew.Askland@asu.edu.

"bein' alive & bein' a woman & bein' colored is a metaphysical dilemma I haven't conquered yet: African-American Women Writing their Lives and Experiences," 5:30-7 p.m., Cronkite School room 128, ASU Downtown Phoenix campus. Speaker: Neal Lester, professor and chair, ASU Department of English. Sponsored by School of Letters and Sciences. Information: (480) 965-7611.

"Inherit the Wind," 5:40 p.m., LS E-104. The film continues the spring semester Life Sciences Bioethics and Film Series, with the theme "Evolution and Its Discontents." A discussion follows the film. Information: (480) 965-8927 or <http://sols.asu.edu/cbs/events>.

John J. Rhodes Lecture, 7:30 p.m., ASU Gammage. Speaker: Jonathan Alter, *Newsweek* columnist and author. Alter, known at the podium for his insight, wit and firsthand

anecdotes, offers an incisive, entertaining and always compelling view of national and world affairs, and how media and politics interact. Sponsored by Barrett, the Honors College. Information: (480) 965-0161.

Friday, Feb. 27

"Building a Large-Scale Urban Model to Simulate Future Patterns of Population, Housing and Jobs: The Brisbane-SEQ Model," noon, Education Lecture Hall (DC) room 117. Speaker: Robert Stimson, University of Queensland. Sponsored by the School of Geographical Sciences Colloquium Series. Information: (814) 591-6421 or bpompeii@asu.edu.

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

Conferences

Wednesday, Feb. 18

Desert Nights, Rising Stars, a writers conference sponsored by Virginia G. Piper Center for Creative Writing. Sessions held in historic quarter of Tempe campus. Continues through Feb. 21. Information: www.asu.edu/piper.

Friday, Feb. 27

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

Miscellaneous

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 3-6. Admission. Information: (623) 582-8007.

Brown Bag Reading, noon-1:30 p.m., Wilson Hall (WILSN) room 101. Sponsored by Emeritus College. Information: (480) 965-0002.

"Test Questions II," 12:15-1:30 p.m., Discovery Hall room 212. This session covers the creation of essay questions, and discusses how reports generated by University Testing Services can be used to inform the design and structure of test questions. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

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.

Saturday, Feb. 14

Valentine's Day Dinner, 5-9 p.m., University Club. Cost: \$45 per person, plus tax and gratuity. Reservations required. (480) 965-0702.

Monday, Feb. 16

"We Love ASU Collections" open house and tours, 9:30 a.m.-4 p.m., Tempe campus. Sponsored by the Museums, Galleries and Collections Committee. Information: www.asu.edu/museums.

ASU Day at the Capitol, 10 a.m.-2 p.m., Wesley Bolin Plaza, Phoenix (17th Avenue, between Jefferson and Washington). Meet members of the Arizona Senate and House of Representatives and see displays of programs offered at ASU. Sponsored by the ASU Alumni Association. Registration: www.asu.edu/alumni.

"Hybrid and Online Teaching III," 12:15-1:30 p.m., Coor Hall room L1-54. This session deals with writing good discussion board prompts, effective group work and data collection for assessment of student learning. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

Tuesday, Feb. 17

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

Friday, Feb. 20

"Large Lecture Series: Assessment," 12:15-1:30 p.m., Discovery Hall room 212. There are alternatives to bubble tests for large classes. The workshop will suggest alternatives to objective exams as measures of student learning. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

"Locating Funding," 2:30-4:15 p.m., Academic Center (CNTR) room 120, Polytechnic campus. This workshop will introduce faculty and staff to the basics of locating funding from government, foundation and commercial sponsors, and the use of the PRIDE opportunity development Web site to identify funding opportunities. Sponsored by the Office of Research and Sponsored Projects Administration. Information and registration: <http://researchadmin.asu.edu/training/workshops>.

An Evening With Fatimah Halim and Alonzo Jones, 7 p.m., La Sala, West campus. Halim is president and chief executive officer of Life Paradigms Inc., and Jones is ASU associate dean, Student Affairs, Multicultural Student Services. Part of Black History Month at West campus. Information: jenny.davis@asu.edu.

■ Wednesday, Feb. 18

"Classroom Assessment Techniques: Focused Listing and Misconception Preconception Check," 12:15-1:30 p.m., Discovery Hall room 212. The Focused Listing CAT is designed to help instructors assist students in focusing their attention on important concepts and ideas in a particular lesson. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>

Reading by poet Nancy Mairs, 7:30 p.m., Old Main Carson Ballroom. Part of the "Desert Nights, Rising Stars" writers conference sponsored by the Virginia G. Piper Center for Creative Writing. Admission: \$10 at the door. Information: (480) 965-6018.

■ Thursday, Feb. 19

Council of Religious Advisers Spring Religious Fair, Danforth Chapel, 10 a.m.-2 p.m. Free pizza and soda. Information: (480) 965-6547 or studentlife@asu.edu.

Readings by novelist Percival Everett and poet Mary Ruefle, 7:30 p.m., Old Main Carson Ballroom. Part of the "Desert Nights, Rising Stars" writers conference sponsored by the Virginia G. Piper Center for Creative Writing. Admission: \$10 at the door. Information: (480) 965-6018.

■ Friday, Feb. 20

Reception for "MOVING TARGETS Breathing Is Free: New Works by Jun Nguyen-Hatsushiba" and "Eden Revisited: The Ceramic Art of Kurt Weiser," 7-9 p.m., ASU Art Museum. Information: (480) 965-2787.

Readings by nonfiction writer Meredith Hall and poet Natasha Trethewey, 7:30 p.m., Old Main Carson Ballroom. Part of the "Desert Nights, Rising Stars" writers conference sponsored by the Virginia G. Piper Center for Creative Writing. Admission: \$10 at the door. Information: (480) 965-6018.

■ Saturday, Feb. 21

Reading by novelist Alice Sebold, 7:30 p.m., Old Main Carson Ballroom. Part of the "Desert Nights, Rising Stars" writers conference sponsored by the Virginia G. Piper Center for Creative Writing. Admission: \$10 at the door. Information: (480) 965-6018.

■ Tuesday, Feb. 24

"Extra Students; Extra Classes: Managing Your Time," 12:15-1:30 p.m., Discovery Hall room 212. This workshop is designed to assist members of the teaching corps to learn to use time management skills to make choices about how they use their time and avoid overload. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

International Reading Association Poetry Olio, 7:30-9:30 p.m., Phoenix Convention Center room @-207. Poets reading will include Alberto Rios, Nikki Grimes, Simon Ortiz, Laura Tohe, Margriet Ruurs, Michael Salinger and Kyle Wilson. Information: Jim.Blasingame@asu.edu.

■ Wednesday, Feb. 25

"F&A Reconciliation," 9-10 a.m., CTRPT room 3120B. Sponsored by Office for Research and Sponsored Projects Administration. Information: (480) 727-0765 or ORSPA-Training@asu.edu.

Exhibits@Noon, noon-1 p.m., Space Photography Lab, Bateman Physical Sciences Center F-556. Tour the lab, one of a network of 18 regional planetary image facility data centers established by NASA to archive planetary images for use in research by the scientific and educational communities. Sponsored by Museums, Galleries and Collections Committee. Information: www.asu.edu/museums.

"August in April: A Tribute," 7:30 p.m., La Sala Ballroom, West campus. A free, one-hour sneak preview of the soon-to-be-released documentary about the late August Wilson's 10 plays, known as the "Pittsburg Cycle." Information: (602) 543-5306. Part of Black History Month.

Outlaw Comedy, 8 p.m., Herberger Theater, 222 E. Monroe St., Phoenix. Nationally known comedians appear at this event. Admission: \$10. Free for ASU students with ID. Part of February Faithfest sponsored by ASU Student Life. Information: (480) 965-6547.

■ Thursday, Feb. 26

World Festival, 10:30 a.m.-2:30 p.m., Hayden Lawn. Enjoy food, crafts and entertainment from the many countries represented by our international students. ASU International Student Office. Information: (480) 965-7451.

"Long-Term Care Planning," noon-1 p.m., Memorial

Union (MU) Gila Room (224). Sponsored by ASU Family Resources. R.S.V.P.: Maureen.Duane@asu.edu.

■ Friday, Feb. 27

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

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

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, Feb. 13

"House With No Walls," 7:30 p.m., Second Stage West, West campus. This provocative play, directed by ASU's Charles St. Clair, presents two intertwined stories set in Philadelphia. The first involves the controversial events surrounding the opening of the American Museum of Liberty, while the second story is the tale of a slave who decides to escape from his master, President George Washington. Other performances: 7:30 p.m., Feb. 14 and 19-21; 2 p.m., Feb. 15.***

"Maldeamores, or Lovesickness," 7:30 p.m., Lyceum Theatre. A dark comedy written by Jorge Gonzalez, a doctoral student in the Herberger school of Theatre and Film. Discussion at noon with Gonzalez in Memorial Union (MU) room 302. Part of the school's Borderlands Project. Information: (480) 965-5337.

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

■ Sunday, Feb. 15

"Trio du Soleil," 2:30 p.m., Katzin Concert Hall. Members of the trio are Danwen Jiang, violin, Tom Landschoot, cello, and Robert Hamilton, piano. They'll play music by Mendelssohn and Haydn.*

"Care for Kerr," 3 p.m., ASU Kerr Cultural Center, Scottsdale. A benefit for Kerr Center featuring saxophonist Joseph Wytko, television personality Carey Peña and other special guests.**

■ Monday, Feb. 16

Studio 303 voice recital, 7:30 p.m., Organ Hall.

■ Wednesday, Feb. 18

Concert of Soloists, 7:30 p.m., ASU Gammage. The concert features winners of the ASU Symphony Concerto Competition and ASU Composition Contest.

■ Thursday, Feb. 19

Coffee at Kerr, 10:30 a.m., ASU Kerr Cultural Center, Scottsdale. Charles Lewis plays jazz. Free, but R.S.V.P. is required: (480) 596-2660. Bring a can of food or sealed personal item for Vista del Camino food bank.

■ Friday, Feb. 20

Acclaimed Hispano-Baroque ensemble El Mundo, 7:30 p.m., Organ Hall. The ensemble performs Jesuit music from missions in Paraguay, as well as a *zarzuela* and other secular works by Latin-American and Spanish composers (circa 1700). Co-sponsored by the Phoenix Early Music Society. Admission. Information: (480) 965-8863.

Site-specific staging of "Eurydice," 7:30 p.m., Atrium Lobby, University Center building, 411 N. Central Ave., Phoenix. Other performances: 7:30 p.m., Feb. 21, 26-28; 2 p.m., Feb. 22, March 1. Admission. Box Office: (480) 965-6447.

David Copperfield, 8:30 p.m., ASU Gammage. Copperfield will present "Grand Illusion," featuring such illusions as "Squeezebox," "The Lottery" and "Man Versus Steel." Continues Feb. 21 with performances at 3 p.m., 6 p.m. and 9 p.m.**

"Langston Speaks (4)," 8 p.m., ASU Kerr Cultural Center, Scottsdale. The Charles Lewis Quintet & Guests present poems by Langston Hughes set to jazz pianist Lewis' music.**

■ Sunday, Feb. 22

Oboist Martin Schuring, 2:30 p.m., Katzin Concert Hall.*

Young Sounds of Arizona, 3 p.m., ASU Kerr Cultural Center, Scottsdale. A big-band and jazz combo featuring youths ages 14-19.**

■ Friday, Feb. 27

Coffee at Kerr, 10:30 a.m., ASU Kerr Cultural Center,

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

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

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

Exhibitions

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

Opens Feb. 14, "Eden Revisited: The Ceramic Art of Kurt Weiser." Reception: Feb. 20, 7-9 p.m. Also: "Friday Conversations in the Gallery," Friday, Feb. 20, 11 a.m., featuring Weiser. This mid-career retrospective and accompanying exhibition catalogue examines the stylistic development of Weiser's ceramic work from the 1970s to the present. The exhibition comprises 50 ceramic objects and drawings. Weiser is a Regents' Professor of Art in the Herberger College of the Arts. Information: Diane Wallace, (480) 965-0014.

Feb. 20, Artist reception 7-9 p.m. "Breathing is Free: 12,756.3; New Work by Jun Nguyen-Hatsushiba" examines the artist's interest in the evolution of cultures in the face of globalization and interpretations in the idea of "memorial." Co-organized with the School of the Art Institute of Chicago, each venue will serve as a host for the ongoing piece, in which the artist is running the equivalent distance of the diameter of the Earth (12,756.3 kilometers) in cities of the world at different times. The accompanying museum installation will include video, photography, maps and other details. The ASU Art Museum exhibition is the U.S. premiere of the project.

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

Through Feb. 28, "Midstream: New Ceramics from the Heartland" uncovers the work of three artists who are defining a new generation of clay workers, reflecting diverse backgrounds working with new issues of identity. Their work is bold in its commentary on global issues and moves to a broader examination of humanity through humor, fantasy or direct honesty.

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

Through Feb. 15, Mixed-media works by Mesa Art League members.

Opens Feb. 18, Acrylic on canvas and Plexiglas by Tom Stephenson; oil on canvas by Edie Daldrup; digital photography by Carlos Encinas.

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

Opens Feb. 16, "Printstravaganza! IV" This is a venue for students across artistic disciplines to explore the definition of a print. A communal exhibition gives the ability for students to see each other's work, to understand common media ties and to open a conversation about work being created within the ASU School of Art.

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

Opens Feb. 16, "Handle With Care," by Marco Rosichelli. Rosichelli's master's degree in fine arts thesis exhibition will arrive in several large crates. In the exhibit, 25,000 multicolored plastic balls will provide an opportunity for adults to play, have fun and interact.

Step Gallery—noon-5 p.m., Monday-Thursday; noon-3 p.m., Friday, Tempe Center, 10th Street and Mill Avenue. Information: (480) 965-3468.

Opens Feb. 16, "I like to make colorful blobs." Artists: Sarah Gagliano and Christine Evola. Gagliano incorporates ceramics and explores the uses of different glazing techniques. Evola examines fibrous materials such as burlap, felt and yarn in nontraditional uses.

Defenses

Micheal Bolton, PhD, Engl. Lit., 4 p.m., Feb. 16, LL 316.

Wei-Jung Chien, PhD, Elec. Engr., 11:30 a.m., Feb. 18, GWC 208C.

Teresa Murray, PhD, Bio. Engr., 3 p.m., Feb. 18, BDA LL10/14.

Yifei Wu, PhD, Plnt. Bio., 9 a.m., Feb. 19, LSE 232.

Early humans had 'jaws of steel,' researchers say

(Continued from page 1)

The result: a rainbow-colored "virtual skull" that illustrates forces absorbed by the cranial structure in simulated bite scenarios – and how their unusual facial features were ideally suited to support the heavy loads of cracking hard nuts.

"It was like watching 'Mrs. Ples' come to life," Spencer says. "This reinforces the body of research indicating that facial specializations in species of early humans are adaptations due to a specialized diet. The enlargement of the premolars, the heavy tooth enamel and the evidence now that they were loading forcefully on the premolars suggest the size of the objects were larger than the previously hypothesized small seeds and nuts.

"These 'fallback' foods – hard nuts and seeds – were important survival strategies during a period of changing climates and food scarcity. Our research shows that early, pre-stone tool human ancestors solved problems with their jaws that modern humans would have solved with tools."

Guyot, with the School of Human Evolution and Social Change, can be reached at (480) 727-8739 or jodi.guyot@asu.edu.

Couple donates art collection to Herberger College

By Jeffrey Burns

A romance that blossomed at ASU 40 years ago has come full circle.

Alan and Linda Brecher met and married as ASU students in the late 1960s. While they lived most of their lives on the East Coast, the now-retired Sedona residents recently gave back to the university of which they have such fond memories.

The Brechers' extensive collection of Haitian, surrealist and Americana art, valued at \$1.5 million, will be shared as a planned gift to the Herberger College of the Arts and its ASU Art Museum.

The Brechers say this transformational investment in Herberger College was more the continuation of a journey than anything else.

"The reality of retiring, not having children and accumulating a collection over 40 years pushed us to find an appropriate home for our art," Linda Brecher says. "Our fondness for ASU,

where we began our journey together, will now help close the 'circle' (of life) for us."

During the time that the Brechers made a life with each other, the ASU Art Museum also has grown to be an accessible and significant resource to its visitors.

"The impact the Brechers' collection will have on museum patrons is far-reaching," says Heather Lineberry, acting director of the ASU Art Museum. "Their gift not only is generous, but it also reinforces the museum's commitment to serve a diverse community of artists and audiences through innovative programming that is interdisciplinary, educational and relevant to life today."

The Brechers met early in their studies at ASU. Alan played on the tennis team and graduated from business school, while Linda earned an education degree. They both say they enjoyed their English professor, Helen Nebecker.

Linda Brecher credits ASU's excellent prepara-

tion for her 38-year success as a teacher in Great Neck, N.Y., where her husband's family business took them until 2005. Over the years, they fell in love with art – accumulating 150 paintings, watercolors, photography, gravures and sculptures. In an economic climate where funding for the arts often is neglected, this gift is significant as a reminder that philanthropic support can take on many forms and can continue through any recession.

Alan Brecher, a former owner of a family-operated toy store, has been a loyal ASU donor since 1986. He has contributed to other funds, including the Old Main restoration and was a member of the President's Club.

In the case that any of the donated collections ends up being sold, the funds received will be used to establish the Linda and Alan Brecher Scholarship in Contemporary Art.

Burns, with the ASU Foundation, can be reached at (480) 727-7308 or jburns1@asu.edu.

EMPLOYMENT

The following positions are available as of Feb. 13 and are subject to change. All positions will be advertised in *Insight* only once. The staff requisition or job order number for each position is indicated by the (#) sign. ASU is an equal opportunity-affirmative action employer.

ASU POSITIONS

A complete job announcement for classified, administrative and service professional positions at the Downtown Phoenix, Polytechnic, Tempe and West campuses is available on the Human Resources Web page at www.asu.edu/asujobs, 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

Executive and management

Business Development Director – SkySong #22218 (O) – VP – Research and Economic Affairs (Feb. 20).

ACADEMIC POSITIONS

POLYTECHNIC CAMPUS

Lecturer #9269 – School of Applied Arts and Sciences: Nutrition (March 6; every two weeks thereafter until search is closed).

Lecturer #9272 – School of Applied Arts and Sciences: Exercise and Wellness (March 16; the end of each month thereafter until search is closed).

Lecturer #9273 – School of Applied Arts and Sciences: Exercise and Wellness (March 16; the end of each month thereafter until search is closed).

In BRIEF

Retirees association program set for Feb. 21

The ASU Retirees Association will conduct its 16th annual Retirees Day Program Feb. 21 in the Memorial Union, with Congressman Harry Mitchell as the keynote speaker.

Following the welcome and announcements at 9:30 a.m. by H. Val Peterson, president of ASURA, attendees will have their choice of six workshops in two time slots.

Speakers and topics for the first session, from 10 to 11 a.m., are:

- "The Sudan: Yesterday, Today and Tomorrow," Mathew Betz, professor emeritus, civil engineering, and a former resident of Sudan.

- "The Global Institute of Sustainability and Sustainability Initiatives at ASU," Matthew Fraser, associate professor of sustainability.

- "Reflections on a Historic Election," Bruce Merrill, director, ASU Media Research Program.

The second session, from 11:15 a.m. to 12:15, includes:

- "Current State of the U.S. and Global Economic Crisis," Stephen K. Happel, professor of economics.

- "Architecture Has No Borders," Juan Jaime de la Torre, principal of Esquema Architecture, Nogales, Arizona, and Tucson.

- "Inside the Biodesign Institute," Kimberly Ovitt, director of communication, Biodesign Institute.

The event ends at 2 p.m. following lunch and the keynote speech. The cost is \$22. For more information, contact ASURA at (480) 965-7668.

Osher Lifelong Learning Institute sets courses

The ASU Osher Lifelong Learning Institute is continuing its Polytechnic campus offerings to those 55 and older with lectures and short courses for those with Osher membership.

Short courses usually meet once a week for three weeks. Lectures meet one time for an hour and a half.

During the spring semester, lectures will include guidance on nutrition strategies to beat diabetes, discovering your personality, understanding the real estate market and lessons from the Holocaust, to name a few. Short courses include the biology behind crime scenes, writing family history, and organization and society.

Membership is \$35 and allows members to take as many courses or attend as many lectures as they wish.

For more information about the lecture series or short courses, contact Lois Lorenz at (480) 727-1153 or lois.lorenz@asu.edu. For more details about these and other Lifelong Learning lectures and short courses, visit the Web site <http://lifelonglearning.asu.edu>.

Morrison Institute offers scholarship awards

ASU's Morrison Institute for Public Policy is accepting applications from Arizona high school seniors for the Young Steward for Public Policy scholarship program.

Officials at the institute want to hear from high school seniors with creative ideas about and solutions to Arizona's greatest challenges. This distinctive ASU scholarship offers a first-place award of \$1,500 and a second-place award of \$1,000.

The Young Steward scholarship program invites Arizona high school seniors to think about public policy and to promote "stewardship" – public leadership committed to doing what is best for Arizona regardless of political philosophy or personal gain.

Young Steward awards are based on an essay about a public issue of critical importance. Applicants are invited to address a community issue or problem they are passionate about and offer solutions on that issue to Arizona leaders. Essays must include specific recommendations for policymakers on how the issue should be addressed.

In addition to the scholarships, winning essays are published in the *Arizona Republic* and *Tucson Citizen* newspapers.

Applications and additional details are available at the Web site www.morrisoninstitute.org by clicking on the "Public Policy Scholarship" link, or by calling (602) 496-0900. Award recipients must attend ASU to receive the award. The deadline for application is March 31.

This special program was established by Elaine and Richard Morrison of Gilbert, Ariz., to commemorate the impact of the Morrison Institute's more than 20 years of public service and policy research. Sponsors of the Young Steward program include SRP, General Dynamics, APS, the *Arizona Republic* and the *Tucson Citizen*.

Writing faculty to read from works at ASU

Six writers who are on the faculty of the 2009 "Desert Nights, Rising Stars" writing conference at ASU will read from their works on four evenings Feb. 18-21.

The readings will take place beginning at 7:30 p.m. each night in Old Main's Carson Ballroom on the Tempe campus. Admission is \$10, payable at the door. Advance sale tickets are available by phone until Feb. 17.

The schedule includes:

- Feb. 18 – Nancy Mairs, poet.
- Feb. 19 – Percival Everett, novelist, and Mary Ruefle, poet.
- Feb. 20 – Meredith Hall, nonfiction writer, and Natasha Trethewey, poet.
- Feb. 21 – Alice Sebold, novelist.

"Desert Nights, Rising Stars" is sponsored by the Virginia G. Piper Center for Creative Writing at ASU. For more information, call (480) 965-6018 or visit the Web site www.asu.edu/piper.

ASU Gammage solicits artist proposals

Arizona visual artists are invited to submit proposals to ASU Gammage for exhibiting their work during the 2009-2010 art season.

Work will be considered in any medium that can be displayed by hanging on walls. Artists must be prepared to hang their own works and remove them when the exhibit is over.

Proposals from interested artists should include a statement about their work, a résumé that includes contact information (address and telephone), and no more than 10 slides or digital images in "jpeg" format, representative of the work proposed for exhibition at ASU Gammage.

Slides or CDs will be returned upon completion of the jury process. Application forms can be found at the Web site www.asugammage.com. Click on "tickets and information," then on "visual art."

The deadline for proposals is March 27.

Submit proposals to: ASU Gammage, c/o Brad Myers, Exhibit Coordinator, P.O. Box 870105, Tempe, AZ 85287-0105

For more information, call Myers at (480) 965-6912.

21st annual World Festival set for Feb. 26

ASU will celebrate the heritage and traditions of global cultures at the 21st annual World Festival, which takes place from 10:30 a.m. to 2:30 p.m., Feb. 26, on Hayden Lawn above Hayden Library.

"The World Festival is an unparalleled educational experience for ASU students and the Tempe community as it celebrates and showcases countries and cultures from around the world," says Mason Murphy, international student adviser and World Festival coordinator.

International student organizations will set up booths to sell food, distribute information, and display crafts and artifacts from their various countries and cultures.

Professional and student group entertainers will perform on the main stage of Hayden Lawn from 11:30 a.m. to 1 p.m.

This free event is open to the public, and it is sponsored by ASU's International Student Office. Paid parking is available on campus in designated visitor lots.

For more information about the event, or to find out how to become involved, contact Mason Murphy at (480) 727-7163 or mason.murphy@asu.edu.

Correction

The CORA Spring Religious Fair at Danforth Chapel will take place from 10 a.m. to 2 p.m., Feb. 19. The event features free pizza and soda.

3 artists to exhibit 3 different forms of art at ASU Gammage

By Judith Smith

Visitors to ASU Gammage will have a variety of art expressions to view Feb. 18-April 12, when the work of Tom Stephenson, Edie Daldrup and Carlos Encinas will be spotlighted.

Stephenson, of Tempe, will exhibit acrylic on Plexiglas and canvas; Daldrup, from Tucson, will show oil on canvas; and Encinas, also of Tucson, will show archival digital photographic prints.

Stephenson has titled his part of the exhibit "Morphing."

"The paintings I'm currently working on are a lot of images put together to make a painting," he says.

Stephenson, a self-taught artist, was born in Phoenix and

has been a lifelong Arizonan, except for two years in Peru.

Daldrup, whose paintings are titled "Liaison," says her paintings explore "our interaction with others and the expressive nature of ourselves."

"My use of color allows for the idea of dichotomy within the human psyche," she says.

Daldrup adds that her work "reflects my desire to confront not only the viewer, but myself as well."

Encinas says his artworks consist of "my digital photographs and assorted found pictures manipulated on an Apple Mac computer using Adobe Photoshop and Corel Painter."

His images are printed in New Jersey, where the company uses a Durst Theta 76 HS to "image the files down

to true silver halide photographic paper via LEDs and fiber optics, which are then processed in RA-4 chemistry."

Exhibit hours at ASU Gammage are 1 to 4 p.m. Mondays, or by appointment by calling (480) 965-6912. Because of rehearsals, event set-up, performances, special events and holidays, it is advisable to call to ensure viewing hours, since they are subject to cancellation without notice.

Parking is available at meters around the perimeter of Gammage. Entrance is through the east lobby doors at the box office.

For more information, contact Brad Myers at (480) 965-6912.

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

ASU senior earns Millennium Scholar honors for work in research lab

(Continued from page 1)

data into codable units that help us understand the nature of parent-child interactions. She was a tremendous asset to our research program, and the success of our NIH-funded research is dependent on having students like Stefani, although she is rather exceptional."

Opportunities for undergraduates to participate in research at ASU are extensive. While the psychology department has one of the largest programs, with several hundred students working in research labs each year, almost every unit in the College of Liberal Arts and Sciences has an undergraduate research program, as do many units in the Ira A. Fulton School of Engineering and other ASU colleges.

Baca's curiosity and drive to learn spurred her to broaden her experience, working also in the research labs of Carlos Valiente in the School

"I can honestly say that my research assistant positions have been pivotal in finding my place at a large university."

— ASU senior
Stefani Baca

of Social and Family Dynamics and Marjorie Zatz in the School of Justice Studies and Social Inquiry. She added a justice studies minor to her psychology major, and is studying the ef-

fects of parents' incarceration and deportation on children.

"I can honestly say that my research assistant positions have been pivotal in finding my place in a large university," Baca says. "Not only have I gained important experience for graduate school, but I have made connections in the lab with people who have become great friends. It's a wonderful way to get to know professors on a more personal level, and to gain insight into their fields."

Baca is a graduate of Westview High School in Avondale. She was encouraged to attend ASU by her mother, who didn't have the opportunity to go to college. She is especially excited about attending the conference in Denver, as she has never traveled outside Arizona and California.

After graduation this coming December, she

plans to enter a dual graduate degree program in law and psychology so she can advocate for abused children, integrating her understanding of a child's emotions and behavior into policy and law. She says participating in undergraduate research has been the key to mapping out her future.

"Research opportunities for undergraduates are very important for all of our students who intend to pursue graduate school in psychology," Crnic says. "Most graduate programs want to see that students have some research experience and commitment to the research enterprise. The opportunities that faculty provide students, both to work in labs and then to lead lab groups as educational experiences, are critical to our students' success."

Auffret, with Media Relations, can be reached at (480) 965-6991 or sauffret@asu.edu.

DNA 'nanotubes' spark attention of Biodesign Institute research team

(Continued from page 1)

nature's guidebook, they capitalize on the DNA molecule's remarkable properties of self-assembly.

When ribbonlike strands of the molecule are brought together, they fasten to each other like strips of Velcro, according to simple rules governing the pairing of their four chemical bases, (labeled A, C, T and G). From this meager alphabet, nature has wrung a mind-bending multiplicity of forms.

DNA accomplishes this through the cellular synthesis of structural proteins, coded by specific sequences of the bases. Such proteins are fundamental constituents of living matter, forming cell walls, vessels, tissues and organs.

But DNA itself also can form stable architectural structures – and it may be artificially cajoled into doing so.

In his research, Yan has been much inspired by nanoscale ingenuity in the natural world.

"Unicellular creatures, such as oceanic diatoms, contain self-assembled protein architectures," he says.

These diverse forms of enormous delicacy and organic practicality frequently are the result of the orchestrated self-assembly of organic and inorganic material.

Scientists in the field of structural DNA nanotechnology, including those on Yan's team, have demonstrated that prefabricated DNA elements could be induced to self-assemble, forming useful nanostructural platforms, or "tiles." Such tiles are able to snap together – with jigsaw puzzle-piece specificity – through base pairing, forming larger arrays.

Yan and Liu's work in *Science* responds to one of the fundamental challenges in nanotechnology and materials science: the construction of molecular-level forms in three dimensions.

To do so, the team uses gold nanoparticles, which can be placed on single-stranded DNA, compelling these flexible molecular tile arrays to bend away from the nanoparticles, curling into closed loops or forming spring-like spirals or nested rings roughly 30 nanometers to 180 nanometers in diameter.

The gold nanoparticles, which coerce DNA strands to arc back on themselves, produce a force known as "steric hindrance," whose magnitude depends on the size of particle used.

By using this steric hindrance, Yan and Liu have shown for the first time that DNA nanotubules can be specifically directed to curl into closed rings with high yield.

When 5-nanometer gold particles were used, a milder steric hindrance directed the DNA tiles to curl up and join complementary neighboring segments, often forming spirals of varying diameter in addition to closed rings. A 10-nanometer gold particle, however, exerted greater steric hindrance, directing a more tightly constrained curling that produced mostly closed tubules.

Yan says the particle not only participates in the self-assembly process as the directed material, but it also functions as an active agent, inducing and guiding formation of the nanotube.

With the assistance of Anchi Cheng and Jonathan

Brownell at the Scripps Research Institute, they have used an imaging technique known as electron cryotomography to provide the first glimpses of the elusive three-dimensional architecture of DNA nanotubules.

"You quickly freeze the sample in vitreous ice," he says. "This will preserve the native conformation of the structure."

Subsequent imaging at various tilted angles allows the reconstruction of the three-dimensional nanostructure, with the gold particles providing enough electron density for crisp visualization.

DNA nanotubules soon will be ready to join their carbon nanotube cousins, providing flexible, resilient and manipulatable structures at the molecular level. Extending control over three-dimensional architectures will lay the foundation for applications in photometry, photovoltaics, touch screen and flexible displays, as well as for far-reaching biomedical advancements.

"The ability to build three-dimensional structures through self-assembly is really exciting," Yan says. "It's massively parallel. You can simultaneously produce millions or trillions of copies."

Yan and Liu say they believe that controlled tubular nanostructures bearing nanoparticles can be applied to the design of electrical channels for cell-cell communication, or used in the construction of various nanoelectrical devices.

Harth, with the Biodesign Institute, can be reached at richard.harth@asu.edu.

Pair of ASU researchers to study power of affectionate physical contact

(Continued from page 1)

Davis, in ASU's College of Liberal Arts and Sciences, shares Burleson's interest in understanding how our social relationships translate into better health.

"Much of the work in our field has focused on the downside of relationships," says Davis, who received her doctorate in psychology from the University of Pittsburgh in 1994 and has been teaching at ASU since. "We know quite a bit about what happens when people fight or reject one another. But the upside of our social connections has gotten much less attention."

The majority of the research will be conducted in the Emotion, Culture and Psychophysiology Laboratory at ASU's West campus. The lab, part of New College's Division of Social and Behavioral Sciences, takes an interdisciplinary approach to research, and features graduate and undergraduate students who serve as research assistants.

Burleson says eight to 10 students will be

working on the project at any given time and that work already is under way, with the selection of 200 couples, ages 21-48, married at least six months, scheduled to start next month.

"We know that social connection is beneficial to health, and that research supports the idea that happily married individuals are healthier and live longer than the unmarried," Burleson says.

The study has three specific goals:

- Determine to what extent physical contact and social interaction contribute to lower blood pressure and heart rate responses to minor stressful tasks in the laboratory.
- Examine how physical contact and social interaction affect underlying contributors to blood pressure and heart rate responses.
- Explore potential moderating influences of prominent individual differences, couple characteristics and cultural context on these effects.

Partners participating in the exploratory study will spend 10 minutes together before

separately performing a laboratory stressor while cardiovascular variables are recorded. To differentiate the effects of physical contact from those of social interaction, couples will either touch or not – and will either converse warmly or not – before the stress-test period.

A control group will be seated alone in separate rooms.

Participants will be helping explore the possibility that affectionate touch in the context of a committed relationship buffers the potentially negative effects of laboratory stressors above and beyond the effects of positive social interaction.

The study also allows for the cultural context of touch, and will include equal numbers of Latinos and non-Latinos for each experimental condition. Although data are scarce, Latino cultures are viewed as "high-contact" relative to mainstream American norms, Burleson says, adding that Latinos have lower-than-expected cardiovascular risk, leading to the possibility that physical contact is a more potent reducer of stress responses in Latino couples.

"Attitudes toward and meanings of social touch appear to vary extensively across cultures, as do norms regarding its frequency and appropriateness," says Burleson, who specializes in teaching physiological psychology, biology of human sexuality, biological bases of behavior and psychopharmacology. "This suggests the meaning – and, hence, the effect – of touch may be influenced by ethnic background. This study also will begin to address these issues by comparing the effects of physical contact on laboratory stress responses between Latino and non-Latino participants."

Burleson says that, at the most basic level, physical contact is how we make ourselves and our companions feel better. And in these economically challenging times, affectionate touch is also more cost-effective than a heart-shaped box of chocolates.

For more information about how to participate in Burleson's and Davis' research, call (602) 543-6324.

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

ASU graduates choose Peace Corps service in record numbers

By Sarah Auffret

A bachelor's degree in supply chain management from ASU's W.P. Carey School of Business was the ticket to a high-paying job in the spring of 2006. The specialty is one of the hottest majors in the business school, and the U.S. economy was flying.

Jonathan Stall had other plans, however. He tucked his newly minted degree under his arm and joined the Peace Corps, moving to a small village in Ghana for two years to help the locals develop their tourism business.

"It seemed like it would be a unique experience, an adventure," says Stall, who returned from Ghana in November. "It gave me a chance to do something meaningful. I knew it might be harder to do later. I'm glad I did it."

Now, Stall is applying for temporary jobs, hoping for a summer internship in Washington, D.C.

ASU was named the top producer of Peace Corps volunteers in Arizona in the annual list of the Peace Corps' "Top Colleges and Universities," released last month. Since the Peace Corps' inception in 1961, 813 ASU alumni have served in the Peace Corps. This year, ASU barely edged out the University of Arizona, with 41 volunteers serving compared to UA's 39.

The Peace Corps saw a 16 percent increase in applications for fiscal year 2009,



ASU graduate Jonathan Stall, left, joined the Peace Corps upon graduating from ASU, moving to a small village in Ghana for two years to help the locals develop their tourism business.

the largest increase in five years. A Peace Corps recruiter will be at ASU from 7 p.m. to 9 p.m., Feb. 25, in the Memorial Union's Pinal Room.

ASU has alumni serving in 29 countries, with the highest concentration in Albania (three). Two graduates each are posted in Bulgaria, China, the Dominican Republic, the Eastern Caribbean, Kazakhstan, Kyrgyzstan, Mongolia, Turkmenistan and Ukraine. The majority of ASU volunteers are working in education and business development.

Paul Wade, who graduated from ASU with a political science degree in 2007, arrived in Macedonia last September and has been working as an English language resource teacher. He says he was motivated to apply for the Peace Corps because of his interest in emerging democracies and creating sustainable economies.

"I've wanted to join the Peace Corps since high school, and I was finally able to join," he says.

Daniel Ernesto Delgado is in Kenya,

living with a host family to become fully immersed in the country's language and culture. This month, he will begin teaching computer literacy to small business owners in his community. He graduated from ASU with a bachelor's degree in psychology last May.

Tiffany Dodson, who received a degree in history in December, learned last month that she had been accepted into the Peace Corps. She'll be leaving at the end of May for Romania, where she will teach English to secondary school students.

"It's something I've been planning since I was 17, when my mom first suggested it to me," Dodson says. "I like the idea of being able to help people and represent my country. It's a bit daunting, but it's exciting – and I'm looking forward to it."

As the Peace Corps approaches its 50th anniversary, its service legacy continues to promote peace and friendship around the world. There are more than 3,000 colleges and universities with alumni serving as volunteers in 76 countries worldwide.

"The Peace Corps relies heavily on the graduates of contributing schools from across the country," says Ron Tschetter, its director. "Their education and experiences add to the diversity of the Peace Corps, and its success in the host countries."

Auffret, with Media Relations, can be reached at (480) 965-6991 or sauffret@asu.edu.

In the Spotlight

English professor **Duane Roen** has been elected to serve a two-year term as vice president, and then a two-year term as president, of the Council of Writing Program Administrators (WPA). His duties begin in July. As president, he will work with the WPA executive board to guide the activities of the organization. The Council of Writing Program Administrators is a national association of college and university faculty with professional interests in directing writing programs.



Duane Roen

Janet Burke, associate dean of Barrett, the ASU Honors College, will be honored at the 2009 YWCA Tribute to Women luncheon Feb. 19 at the Arizona Biltmore in Phoenix.



Janet Burke

Burke is being recognized as this year's leader in education, for her devotion to improving the lives of women and girls through her leadership, advocacy and community service. As director of the Lorraine W. Frank Office of National Scholarship Advisement, Burke has mentored and advised hundreds of ASU students who apply for national awards.

Partly because of her efforts, ASU is one of the leading universities in the nation for *USA Today* All-USA Academic Team awards, and for study-abroad awards such as Fulbrights and National Security Education Program grants. ASU leads the Pac-10 in prestigious scholarships such as the Marshall, Goldwater and Udall scholarships.

Burke is a historian whose research focuses on Latin-American intellectual history, as well as the effects of the Enlightenment on women in 18th century France. This semester, she is teaching an honors internship seminar and a course on "Philosophers, Poets and Revolutionaries in Latin America."

Professor **Gary Marchant** received the 2009 Faculty Award from the Sandra Day O'Connor College of Law Alumni Association at its annual luncheon Feb. 3.

Marchant, executive director of the college's Center for the Study of Law, Science and Technology, accepted the award from Stefanie Layton, an association board member whose introduction of him included quotes from a former student, Xochitl Orozco.

Marchant, who earned his doctorate in genetics from



Gary Marchant

the University of British Columbia and a master's degree in public policy from the Harvard Kennedy School, graduated first in his class from Harvard Law School. He frequently lectures about the intersection of law and science, and has written more than 60 articles and book chapters on issues related to emerging technologies.

Patricia White, dean emerita of the Sandra Day O'Connor College of Law, will be honored with a 2009 Judge Learned Hand Award from the Arizona Chapter of the American Jewish Committee.

White, who stepped down as dean in July to return to teaching, will share the Committee's Public Service Award with Toni Massaro, outgoing dean of the James E. Rogers College of Law at the University of Arizona.

White joined the college as dean in January 1999 and served until July 2008 – the longest-serving dean in the history of the college. She was the first woman to serve as a law dean in Arizona. Her leadership marked a transformative period for the law school. The size of the faculty more than doubled, the student-faculty ratio became one of the best in the country, five new clinics were added, a nationally recognized legal writing program was developed, the Center for the Study of Law, Science and Technology and the Indian Legal Program grew to national prominence, a large and active pro bono program for students was developed, interdisciplinary and joint programs were added, and the school was renamed in honor of retired U.S. Supreme Court justice Sandra Day O'Connor.

Scott Decker, a professor and director of ASU's School of Criminology and Criminal Justice, has been recognized by the American Library Association.

Decker is the co-author of "Drug Smugglers on Drug Smuggling: Lessons From the Inside." The book earned the 2008 Outstanding Academic Title in the sociology category of the association's awards.

The book was selected by editors of the American Library Association's *Choice* magazine as one of the most significant print and electronic works reviewed last year.

Appearing annually in the January issue, this prestigious list of publications attracts attention from the academic library community.

Decker's book examines the underworld of international drug smuggling and is based on interviews he and Margaret Townsend Chapman conducted with 34 drug smugglers serving long sentences in federal prison. Chapman is an associate at Abt Associates Inc.



Patricia White



Scott Decker

Professor **James Blasingame** has been elected to the board of directors for Kids Need to Read Foundation. The nonprofit group, established in August 2007 by children's author PJ Haarsma and actor Nathan Fillion, is dedicated to improving children's literacy.

Blasingame, a former high school English teacher who pursued his doctoral degree after nearly 20 years of K-12 teaching, is an associate professor of English education in ASU's College of Liberal Arts and Sciences. He teaches writing and literature instruction for secondary school teachers.

Kids Need to Read donates books to schools, libraries and other organizations in need. It promotes and encourages literacy and a love of reading in children. The organization raises funds to buy books for children through weekly eBay auctions, an online store selling Kids Need to Read merchandise. More information can be found at the Web site www.kidsneedtoread.org.

Rebecca Tsosie, executive director of the Sandra Day O'Connor College of Law's Indian Legal Program, has been appointed to a three-year term on the Association of American Law Schools' Committee on Recruitment and Retention of Minority Law Teachers and Students.

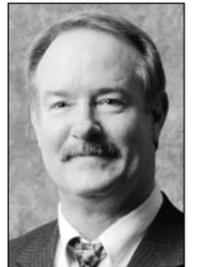
Tsosie, who is of Yaqui descent, has worked extensively with tribal governments and organizations and serves as a Supreme Court justice for the Fort McDowell Yavapai Nation. She joined the college's faculty in 1993 and has served as executive director of the top-ranked Indian Legal Program since 1996. She was appointed as a Willard H. Pedrick Distinguished Research Scholar in 2005; before that, she held the title of Lincoln Professor of Native American Law and Ethics.



Rebecca Tsosie

Matthew Whitaker, an associate professor of history in the College of Liberal Arts and Sciences, is the recipient of the Promoting Inclusiveness Award presented by the city of Glendale. The award is given to recipients in recognition of accomplishments and significant contributions to creating a compassionate and inclusive community based on the vision, values and beliefs of Martin Luther King Jr.

The award was presented at Glendale's Dr. Martin Luther King Jr. Unity Day Luncheon Jan. 16. The keynote speaker was Kweisi Mfume, former U.S. senator and past president of the National Association for the Advancement of Colored People (NAACP).



James Blasingame



Matthew Whitaker