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INSIGHT FILE PHOTO

Packed house

Wells Fargo Arena played host to ASU's fall graduation ceremony Dec. 15, when close to 4,000 students representing all of ASU's campuses received their degrees from the university.

In addition, the ceremony featured honorary degrees that were given to Lord John Browne, group chief executive of BP (formerly British Petroleum), and the Right Honourable Kim Campbell, former prime minister of Canada.



ROB TANNENBAUM PHOTO

Ring the bell

ASU's vice president for university athletics, Lisa Love (pictured at right in the photo above), was on hand to ring the NASDAQ stock market opening bell Dec. 9 in New York with Rutgers head football coach Gregg Schiano, third from left, and Mike Allen, third from right, chairman of the 17th annual Insight Bowl. The Sun Devils will face the Scarlet Knights in the Dec. 27 Insight Bowl.

Holiday hours

The Tempe campus' Memorial Union (MU) will have limited hours of operation during university holidays and breaks. In addition, dining and businesses may be limited or unavailable.

The MU building will be closed Dec. 24 - 27 and Dec. 31 - Jan. 2.

For a complete list of hours of operation, visit the Web site (www.asu.edu/mu) or call the MU's information desk at (480) 965-5728.

Insight hiatus

During the winter break, the print edition of *ASU Insight* will take a four-week hiatus. The next print edition of *Insight* will publish on Jan. 13. Until then, check the Web site (www.asu.edu/news) for ASU news updates.

Law enforcement officers weigh in on Morrison Institute study

Report takes critical look at domestic violence

By Karen Leland

Law enforcement officers view domestic violence as a major issue in their communities that generates other crime and violence, according to "Layers of Meaning: Domestic Violence and Law Enforcement Attitudes in Arizona."

For most law enforcement agen-

cies, domestic violence is one of the most common calls - and often the most common violence-related call. Based on this new statewide research, domestic violence also might be called the most frustrating call.

This new research from ASU's Morrison Institute for Public Policy

presents the views and voices of more than 800 Arizona street-level officers and their supervisors from throughout the state. The study is one of the largest ever undertaken in Arizona, and even across the United States.

The research was done on behalf of the Governor's Commission to

Prevent Violence Against Women, Arizona Department of Public Safety, and the Arizona Peace Officer Standards and Training Board (Arizona POST). The 66-page report, available on the Web site (www.morrisoninstitute.org), combines survey data with dozens (See MORRISON on page 7)



TOM STORY PHOTO

Stuart Lindsay, second from right, founded Molecular Imaging Inc. in 1993 with fellow ASU professor Tianwei Jing. The company is a leading developer of atomic force microscopes and scanning probe microscope systems.

Agilent Technologies acquires ASU spinoff Molecular Imaging

By Kimberly Ovitt

In a celebratory event held Dec. 8 at the Biodesign Institute, Agilent Technologies Inc. announced it has acquired ASU spinoff company Molecular Imaging Corp.

The company, which is a leading developer of atomic force microscopes and scanning probe microscope systems, was founded in 1993 by ASU professors Stuart Lindsay and Tianwei Jing. Lindsay now directs the Center for Single Molecule Biophysics at the Biodesign Institute, while Jing leads the research and development team at Molecular Imaging.

The company has had a continuous

relationship with ASU and Lindsay's laboratory since then. Because of the strong ties between Molecular Imaging and ASU, Agilent leaders said they have no plans to move Molecular Imaging operations from the Tempe area. All 40 of Molecular Imaging's employees have joined Agilent.

"This is an example of how the research growth strategies put in place by ASU President Michael Crow benefit the Valley's biotech sector development as well as ASU," Lindsay says.

Biotechnology companies typically locate where there are strong university research programs. These companies

(See AGILENT on page 7)

Archaeologist studies influence of environment on evolution

By Mike Price

ASU archaeologist Curtis Marean wants to learn more about modern human evolution by gaining a better understanding of the physical environment in which they lived. Marean says relatively little is known about the environment that drove the evolution of modern humans.

To remedy that situation, Marean - who recently received a \$2.5 million grant from the National Science Foundation - is bringing archaeologists together with scientists specializing in caves, ancient dune systems, chemical dating methods and other disciplines relevant to human evolution and ecological studies. The team will attempt to reconstruct the ancient ecological factors that likely influenced the evolution of *Homo sapiens*, and see what that might tell us about our species' future.



Curtis Marean

Marean primarily is concerned with an area of South Africa called Mossel Bay, known for its rich human fossil collection and considered by many scientists to be an important site in the history of human evolution. Marean believes a team-based approach will result in more fruitful research than the typically exclusive work done by specialists.

"This really is a transdisciplinary research project," Marean says. "Breaking down the boundaries between disciplines is very hard, but when you bring everyone together to interpret the same information, it gives you a lot more than if there was just that specialist working on it."

Researchers agree that modern humans evolved in Africa, but little is known about the

(See MAREAN on page 7)

Search panel begins task of finding Glick's successor

By Sarah Auffret

A search committee met Dec. 15 to embark on a national search for a new provost and executive vice president for ASU, according to President Michael Crow.

The group will have the daunting task of replacing Milton Glick, who will step down in July after serving for 15 years as ASU's chief academic officer. Glick will assume a new role as University Professor.

Chairman of the search committee is Sander van der Leeuw, director of the School of Evolution and Social Change in the College of Liberal Arts & Sciences. Others on the search committee are:

- College of Liberal Arts & Sci-

ences - Cordelia Candelaria, Chicana/o Studies and English; Jewell Parker Rhodes, Virginia G. Piper Center for Creative Writing; and Laurie Chassin, psychology.

- W. P. Carey School of Business - Richard Rogerson, economics; Luis Gomez-Mejia, management; and Mary Jo Bitner, marketing.
- Herberger College of Fine Arts - Linda Essig, theater; and Betsy Fahlman, art.
- Ira A. Fulton School of Engineering - Ranu Jung, bioengineering; and Sethuraman Panchanathan, computer science and engineering.
- Morrison School of Agribusiness & Resource Management - Paul Patterson, agribusiness; and Clifford Shultz, agribusiness.

Other individuals on the committee and their academic areas include: Albert McHenry, dean of the College of Technology & Applied Sciences; Debra Friedman, dean of the College of Public Programs; Maria Allison, dean of the Division of Graduate Studies; Susan Mattson, College of Nursing and president of the Academic Assembly; Mary Lee Smith, Educational Leadership & Policy Studies in the College of Education; Joseph Ryan, interim dean of the College of Teacher Education & Leadership; Linda Vaughan, chair of nutrition in East College; Rebecca

Tsosie, College of Law; Barbara Tinsley, chair of social/behavioral sciences in the New College of Interdisciplinary Arts & Sciences; and Joan Brett, academic affairs, School of Global Management & Leadership.

Also serving on the committee are Anna Wales from the Classified Staff Council; Delia Saenz from the Intergroup Relations Center; Jess Koldoff, who represents the Graduate and Professional Student Association; and Saif Al-Alawi, representing Undergraduate Student Government.

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

Featured Faculty

Students say Johnson's class rocks

By Sarah Auffret

Professors in large lecture classes must struggle to keep their lectures interesting, their students' tests and papers graded, and still evoke a love for their subjects. Geology lecturer Julia Johnson not only does this, but she also makes a real impact on her students and gets to know them personally.

Johnson has been named the ASU Featured Faculty for December, for cultivating her students' development in and outside the classroom. More than 80 faculty have been nominated by their students.

"She puts amazing time and effort into making geology interesting and fun, and as a result it's memorable and enjoyable for her students," says sophomore Hannah Mensing. "I took her class more than a year ago, and I still remember more from that class than the lecture I just walked out of."

Johnson teaches two introductory geology courses, with 460 students in all. Yet she goes beyond classroom teaching to take her students on many field trips to view up close the rocks they're learning about, and to see the history of the Earth.

"Probably 100 percent of our class is taking the course for a natural science or elective credit, but with Julia's consistent teaching style and enthusiasm, we have grown to love rocks," says freshman Marilyn Milton.

The Featured Faculty award program was started two years ago by Co-Curricular Programs and Activities to recognize and celebrate the contributions of faculty in enhancing student learning outside of class. Three faculty members are chosen by a panel of students each semester, and each of them receives an honorarium.

Johnson was a hydrologist for the mining industry for seven years before coming to ASU a year and a half ago. Students say her positive personality and sense of humor are contagious, making her classes especially enjoyable.

"She can captivate more than 200 students for an hour with a lecture about rocks," says Mensing, who was mentored by Johnson for an honors project. "Beyond her wonderful sense of humor, incredible depth of geology experience and her intelligence, she has an unquenchable passion for the subject of geology and sharing it with her students. It makes her class an unforgettably positive experience."

Johnson knows most of her students personally, says Milton, which is an impressive feat. She makes every effort to help them succeed, assisting them with materials on her Web site and answering their e-mails promptly.

Johnson says she loves interacting with students – and seeing how the class changes the way they look at and appreciate their world.



TOM STORY PHOTO

Julia Johnson was a hydrologist for the mining industry for seven years before coming to ASU a year and a half ago. She has been named the ASU Featured Faculty for December.

"Every class is a joy, because the students are willing to participate and have fun in class, while learning and being challenged," she says. "It changes the way they look at and appreciate their world."

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

Alumni Association plans Insight Bowl tailgate party

By Liz Massey

It's always fun to root for the home team, and this year's Insight Bowl attendees can take extra pleasure in the fact that ASU is one of the participants. To celebrate the Sun Devils' good fortune, the ASU Alumni Association is hosting one final Sparky's Touchdown Tailgate for football fans.

"The response to the tailgates has been phenomenal," says Cindy Dick, a senior program coordinator for the Alumni Association. "Alumni and fans have shown they really like having a place to hang out with other Sun Devils and get excited before the game. We're glad we have one more opportunity to be a connecting point for Sun Devil fans."

The Insight Bowl tailgate will take place from 3 – 6 p.m., Dec. 27, at Alice Cooper's Town, located at 101 E. Jackson St. in downtown Phoenix, right down the road from Chase Field (formerly Bank One Ballpark, located at the intersection of Seventh and Jefferson streets), where the Sun Devils will take on the Scarlet Knights of Rutgers. Admission is free, and no pre-registration is

required. Attendees will be able to sample the restaurant's great food and drink at their own cost, as well as pick up free ASU pom-poms, balloons and other giveaways. Sparky, the ASU cheerleaders, the Sun Devil Marching Band and special ASU VIPs will be on hand to entertain fans.



The format of this tailgate is different than the previous 2005 events, which were held outside Wells Fargo Arena before the USC and University of Arizona home games, and at remote locations before the Stanford and UCLA away games. Dick said the goal this time was to create a gathering spot for all ASU fans attending the game.

"We want to make the tailgate Sun Devil Central – a sea of maroon and gold," she says.

For more information about the tailgate, call the alumni association at (480) 965-ALUM (2586) or visit the Web site (www.asu.edu/alumni).

Massey, with the Alumni Association, can be reached at (480) 965-3701 or (elizabeth.massey@asu.edu).

ASU Tempe Enclave offers classes for adults

By Judith Smith

"Back to school" has a new meaning at ASU.

A new program, ASU Tempe Enclave, will offer short, scholarly courses in a variety of fields beginning next spring to adults ages 50 and older. Each course lasts five weeks.

The seminars, taught by prominent ASU scholars in biochemistry, geology, physics, anthropology, psychology, history and religion, will be held in Old Main on the Tempe campus. Convenient free parking is available just across University Drive in the ASU Foundation parking garage. In addition, Valley Metro bus lines stop near the classroom, and bus fare is free for Enclave members.

An informational open house will be held at noon, Jan. 10, at Old Main. The initial class offerings are:

- "Brain Development: The Lifelong Perspective," beginning Jan. 24, taught by Jay Braun, a professor emeritus of psychology.
- "Forensic Anthropology: The Science Behind the CSI," beginning Jan. 25, taught by Charles Merbs, a professor emeritus of anthropology.
- "Meteorites: Messengers From Time and Space," beginning Feb. 2, taught by Carleton Moore, founding director of the ASU Center for Meteorite Studies.
- "Einstein's Legacy: Why a Physicist Became *Time Magazine's* Person of the Year,"

beginning Feb. 21, taught by Richard J. Jacob, a professor emeritus of physics.

- "Natural Toxins: From Beneficial Drugs to Agents in Bioterrorism," beginning March 6, taught by Allan Bieber, a professor emeritus of chemistry and biochemistry.

- "Religion and Conflict," beginning March 8, taught by the faculty of the ASU Center for the Study of Religion and Conflict.

- "Mexican-American Theology: Historical Roots and Changing Perspectives," beginning April 19, taught by Santos C. Vega, a professor emeritus in the ASU Hispanic Research Center.

Membership in Tempe Enclave is \$250 per series, which includes up to three five-week seminars per series; a "Philosophy Café" gathering once a month; and invitations to other events at ASU.

ASU Tempe Enclave is part of the Osher Lifelong Learning Institute at ASU.

The California-based Osher Foundation supports more than 60 Osher Institutes at universities from Maine to Hawaii, including programs at several retirement communities in the Phoenix metropolitan area.

Tempe Enclave is a new spin on the usual Osher Institutes, in that it focuses on the sciences and humanities.

"Most of the others are focused on the fine arts," says Barbara Huff, a doctoral student in psychology.

Huff and Morris Okun, a professor of psychology, received a grant from the Osher Foundation in 2004 to establish the Osher Lifelong Learning institute at ASU's Tempe campus.

To find out what piqued the interest of prospective students, Huff surveyed 350 people living in an adult residential community in the far East Valley.

She learned that mature adults today have a different motivation for learning than their counterparts in the 1980s.

Adults then wanted to learn because of their interest in a particular subject matter, Huff said, while today's mature adults believe that continuing educational activities are worthwhile and instrumental to other valued goals.

Huff's respondents said their motives for learning included:

- "Exercising my mind to keep it healthy."
- "Feeling a sense of accomplishment."
- "Keeping up with important developments in a changing world."

Anyone interested in more information, or receiving a brochure, should call Huff at (480) 965-0428 or send an e-mail to (TempeEnclave@asu.edu).

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

Chinese government Web site features ASU Mars research

By Mike Price

The official Web site of the Chinese government (www.china.com.cn) recently showed how much that country values its ties with ASU by adding a link to a page dedicated to ASU's Mars Exploration program.

It is a considerable achievement to have been selected by China for this feature.

The main page of the Chinese site included a logo displaying a Mars rover on the surface of the Red Planet, accompanied by Chinese characters that translate into "Mars Exploration." Clicking on the logo brought up the Web page (http://hxtc.china.cn), featuring a letter from Jon Fink, ASU's vice president for research and economic affairs, as well as news flashes, scrolling live images taken by the ASU-developed Thermal Emission Imaging System (THEMIS), videos taken from Mars, and various links to educational and historical information.

The Web site was developed out of a partnership with the Chinese space program that began when ASU was invited to be part of China's Science and Technology Week in May. The "Welcome to Mars!" exhibit proved a hit with the Chinese audience and was covered by the national news media.

Jennie Si, ASU's director of China initiatives and special projects, partnered with Chinese government officials to provide content for a special section on their Web site. The effort was made in hopes of following up on the success of the exhibit, she says.

"It has been a great pleasure working with our Chinese collaborators," Si says. "The editors, designers and technical staff are some of the best and brightest, and it is simply fun to interact with them on a project like this."

The Mars Exploration page debuted in November, making ASU the first international institution to collaborate with the official Web site of China.

"ASU has had extraordinary achievements and a high reputation in the area of space exploration, especially Mars research and exploration," Si says. "The Chinese Web site has a unique brand position and geographical advantage. This collaboration is a major win-win."

Price, with Media Relations and Public Information, can be reached at (480) 965-9690 or (mbprice@asu.edu).

ASU Insight

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Ford Foundation awards \$100,000 grant to ASU

By Carol Hughes

After a national competition in undergraduate education that drew more than 675 proposals, the Ford Foundation has selected ASU as one of 27 higher education institutions to receive \$100,000 grants for projects that promote academic freedom and constructive dialogue on campus.

The grants are part of Ford's "Difficult Dialogues" initiative, created in response to reports of growing intolerance and efforts to curb academic freedom at colleges and universities. The goal is to help institutions address this challenge through academic and campus programs that enrich learning, encourage new scholarship and engage students and faculty in constructive dialogue about contentious political, religious, racial and cultural issues.

"ASU's project has the potential to serve as a national model for teaching, scholarship and dialogue about religion across multiple disciplines," says Jorge Balán, a senior program officer at the Ford Foundation.

ASU's Center for the Study of Religion and Conflict is one of the few established academic sites in the country devoted to the study of religion and conflict. It will lead an innovative faculty development and curriculum enrichment project to prepare the university's faculty for a more religiously diverse student body and prepare ASU students for a world marked by increasing diversity and religious conflict.

"Our Difficult Dialogues project will develop and provide students with a model for how to

engage deeply contentious religious issues within the public square – within the classroom and society at large," says Linell Cady, the director of the Center for the Study of Religion and Conflict and a Franca Orefice Dean's Distinguished Professor of Religious Studies. "Rather than avoiding religion, we need to develop students' knowledge, vocabularies and abilities to engage religion civilly and rigorously."

"Our project, 'Teaching and Talking About Religion in Public,' has potential to serve as a national model. It will enhance academic freedom and undergraduate experience by offering new courses and new models for reasoned discussion about religion, preparing faculty for a more religiously diverse student body, and preparing students for conflicts they are likely to face."

Over the course of the two-year initiative, the Difficult Dialogues grantees will be invited to share their experiences and ideas at regional conferences coordinated by the Thomas Jefferson Center for the Protection of Free Expression in Charlottesville, Va. The center also will play host to a Web-based forum for project directors to share ideas online.

"Colleges and universities are uniquely suited to expand knowledge, understanding and discussion of controversial issues that affect us all," said Susan V. Berresford, president of the Ford Foundation. "The selected projects illustrate the thoughtful and creative ways institutions are promoting intellectually rigorous scholarship and open debate that is essential to higher education."

The Ford Foundation launched Difficult Dialogues in April by inviting proposals from all accredited, degree-granting nonprofit institutions with general undergraduate programs. A panel of external higher education experts reviewed the preliminary proposals and selected 136 institutions to submit final proposals.

Difficult Dialogues is part of a broader, \$12 million effort by the Ford Foundation to understand and combat anti-Semitism, Islamophobia and other forms of bigotry in the United States and Europe. It builds on the foundation's history of supporting efforts by colleges and universities to foster more inclusive campus environments and to engage effectively with the growing racial, religious and ethnic diversity of their student bodies.

For more information on the Difficult Dialogues initiative and a complete list of awardees, go to the Web site (www.fordfound.org/news/more/dialogues/index.cfm).

The Ford Foundation is an independent, nonprofit grant-making organization. For more than half a century, it has been a resource for innovative people and institutions worldwide, guided by its goals of strengthening democratic values, reducing poverty and injustice, promoting international cooperation and advancing human achievement. The foundation, headquartered in New York, has offices in Africa, the Middle East, Asia, Latin America and Russia.

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

ASU unveils new certificate program in leadership

By Debra Palka

Beginning this spring, ASU undergraduates will be able to enhance their degrees by completing a new certificate program in leadership and ethics.

The program is sponsored by the School of Public Affairs in the College of Public Programs, as well as the Lincoln Center for Applied Ethics in the College of Liberal Arts and Sciences, in cooperation with Barrett Honors College and the Department of Intercollegiate Athletics.

The program will launch a series of newly developed courses targeted toward students with identified leadership potential. Working adults or anyone interested in refreshing their skills also will benefit from the program by focusing on one of its specific interest areas.

The collaborative support for this innovative opportunity reaches beyond the university. APS has graciously provided the initial funding for the program, which is designed to prepare individuals for positions of leadership and responsibility in the university, in their communities, and throughout their careers in business, government and society. Students also will explore the relationship between leadership and the capacity for individuals to assume responsibility for their actions, and to act with ethics and integrity. Preparation for understanding, coping with and directing changes in positive and beneficial ways will be an added focus of the coursework.

The ASU Department of Intercollegiate Athletics – which provides the platform for hundreds of athletically gifted students to develop leadership skills and to apply moral reasoning – served as a catalyst and continuing supporter of this certificate through a special track called Leadership and Ethics through Sport. The program also is a response to a strong need and desire expressed by students, as well as employer needs for individuals grounded in leadership, teamwork, decision-making, relationship skills and ethical thinking.

Robert Denhardt, director of the ASU School of Public Affairs and Lincoln Professor of Leadership and Ethics, is a nationally recognized scholar in leadership and organizational change. He directed the development of the new certificate program and will join other top-ranked colleagues – including Margaret Walker, Lincoln Professor in the Department of Philosophy – to teach the program.

"There are strong feelings in our communities, board rooms and in all sectors that we need more effective leadership," Denhardt says. "ASU is well equipped to respond to this societal need. Students who complete this skill-oriented program will have a tremendous advantage in their workplaces and communities."

Other faculty with different areas of specialization who will teach the core courses include:

- Khalid Al-Yahya, organizational behavior and globalization.
- Thomas Catlaw, civil society, globalization and organization behavior.
- Joseph Cayer, public management.
- Bette DeGraw, public administration and organization behavior.
- Janet Denhardt, leadership studies, organization behavior, politics and management.
- John Hall, governance, community building, and conflict resolution.
- Zhiyong Lan, organizational studies.
- Ronald Perry, public management.

The 15-hour certificate program features four core courses, including a leadership capstone experience, and one elective in leadership or ethics. Students interested in the program should contact the ASU School of Public Affairs at (480) 965-3926 for application details or go to the Web page (<http://spa.asu.edu>). Courses will be available in January.

Palka, with the *College of Public Programs*, can be reached at (480) 727-6238 or (debra.palka@asu.edu).

Upgrades to affect ASU telephone service

Voice Communications Engineering and Operations (Telephone Services) will be performing upgrades to all four ASU campuses' communications equipment early next month. These upgrades require a window of time during which there will be no voice services on each campus.

The outages are scheduled as follows: Tempe campus – 11 p.m., Jan. 6 – 3 a.m., Jan. 7; West campus – 11 p.m., Jan. 9 – 3 a.m., Jan. 10.; Polytechnic campus – 11 p.m., Jan. 11 – 3 a.m., Jan. 12.; ASU Downtown Center – 11 p.m., Jan. 13 – 3 a.m., Jan. 14.

During each of the upgrade times, the dial tone on ASU telephones will be out of service on the affected campus, but data connections will not be affected. In addition, 911 calls will not be affected and will still be answered at the ASU Department of Public Safety (DPS).

Those who need to make a non-emergency call to ASU DPS during the Jan. 6 outage scheduled for the Tempe campus can call (480) 784-2961. The regular non-emergency number for DPS, (480) 965-3456, will be operational at all other times.



Journalists win honors

ASU's Association of Multicultural Journalists honored Susan Green, left, the managing editor at KNXV-TV Channel 15 in Phoenix, and KPNX-TV Channel 12 consumer reporter Rick DeBruhl at an awards ceremony Dec. 7 on the Tempe campus. Green was given the AMJ Excellence Award in Newsroom Management. DeBruhl, who is in charge of "Call 12 for Action," which works to solve consumer problems, was given the AMJ Excellence Award in Consumer Reporting.

TOM STORY PHOTO

In THE NEWS

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

ASU President Michael Crow is one of the pre-eminent visionaries in Arizona, and he has plans to transform ASU into the country's premier urban research institution, and to achieve the twin goals of expanding its size and scope and raising its quality. No American university has become bigger and better on the scale and timeline envisioned by Crow, who has moved fast to forge ties with the business and political communities and increase support from private donors. "If we evolve slowly, we're dead," he says. *Chronicle of Higher Education*, Nov. 18.

The Mohawk tribe may have walked away from its best chance for getting a casino in the Catskills, abandoning its five-year quest for a casino at one location in favor of another site which had previously been proposed. "In my opinion, the Mohawks made an enormous error," says law professor Kevin Gover, former head of the Bureau of Indian Affairs. The first application was well along in the process. *Times Herald-Record* (N.Y.), Nov. 19.

People think that there's something wrong with introverts, since society values fast talk and quick decisions. But introversion is an inborn character trait, researchers have found, and introverted children often have a rich internal world of thoughts and feelings and are good at problem-solving. "A lot of the messages we get from society have to do with being social – and in order to be social, you have to behave in a certain way," says education professor Sanford Cohn. Parents need to allow them to be who they are, he says. *USA Today*, Nov. 27.

Colleges are increasingly using biometric hand or eye scanners to screen for access to dorms or dining halls. Faculty and staff who seek weekend access to the ASU Biodesign Institute must be approved by an iris scanner. Nancy Tribbensee, deputy general counsel, says ASU treats the data as confidential personnel records and would fight to maintain privacy of the records. The system is not used by students. *Chronicle of Higher Education*, Dec. 2.

As several newspaper chains grapple with slumping circulation and slow ad sales, their stock shares are sinking, and one influential investor has demanded that the Knight Ridder chain put itself up for sale, to boost the value of its stock. It has sparked a debate about whether he has become a catalyst for a major restructuring of the newspaper business. "It's like a lion chasing a herd of wildebeests, where it might appear it's chasing only one but you get the whole herd to run," says finance professor Stuart Gillan. *Los Angeles Times*, Dec. 4.

A new snowboarding documentary film, "First Descent," was financed by Mountain Dew. The product placement shots are subtle, with snowboarders' helmets showing the logo. But it's a slippery slope for marketing, says media analyst Mary-Lou Galician, when manufacturers bankroll a documentary and have final cut. "It's like going back to the 17th century, where you had to please the patron. This is dangerous." *Newsweek*, Dec. 5.

In BRIEF

ASU computing site closes permanently

ASU's Information Technology (IT) department permanently decommissioned the Engineering Center G-Wing room 150 (ECG 150) computing site Dec. 14, citing an underutilization of the site.

The closure of ECG 150 will allow the IT department to direct its improvement efforts to the four remaining computing sites – Business Administration C-Wing room 16 (BAC 16), Computing Commons Atrium room 102 (CPCOM 102), Coor Computing Commons room 150 (COOR 150) and Goldwater Center room 185 (GWC 185) – and also provide the necessary space for emerging projects.

ASU students, faculty spread holiday cheer

ASU students and faculty collected more than 400 new toys, games and stuffed animals to donate to children in the state's foster care system. The items were collected as part of the West campus' fourth annual "Share of Joy" toy drive, sponsored by the Social Work Students Organization.

Collection boxes were set up around the West campus to collect toys for children up to age 18 that were living in the custody of Child Protective Service (CPS). The overwhelming response to the monthlong holiday drive will benefit Arizonans for Children, a nonprofit, all-volunteer organization that raises funds to support children who are wards of the state.

Holidays spark changes at Memorial Union

The Tempe campus' Memorial Union (MU) will have limited hours of operation during university holidays and breaks. In addition, dining and businesses may be limited or unavailable.

The MU building will be closed Dec. 24 – 27 and Dec. 31 – Jan. 2.

For a complete list of hours of operation, visit the Web site (www.asu.edu/mu) or call the MU's information desk at (480) 965-5728.

Theme park offers discounts to ASU workers

ASU Work/Life Programs has announced employee discount nights at Santa's – A Christmas Theme Park. All employees (including family and friends) will receive a 50 percent discount off admission Dec. 26 – 28. Adult tickets normally priced at \$23 will be \$11.50, and children's tickets normally \$18 will be \$9. The park, which opens at 5 p.m., is located at Firebird Raceway, 20000 Maricopa Road in Chandler (exit I-10 at Wild Horse Pass Boulevard). To get the discount, show

an ASU Sun Card at the theme park ticket box office.

For more information, contact the box office at (480) 247-9591 or go the Web page (www.visitsantas.com).

Applicants sought for exchange program

The ASU Russian and East European Studies Center invites faculty and student applications for the university's academic exchange with the University of Ss. Kiril and Metodij (www.ukim.edu.mk) in Skopje, Macedonia. This exchange, established in 1973, is the longest unbroken academic exchange between a Balkan university and an American counterpart. The ASU-UKIM academic exchange involves an annual exchange of graduate students and faculty in which each host institution stipends the visiting exchangee(s). An exchange of nominations for the following academic year occurs each January.

Graduating seniors, graduate students, and ASU faculty are eligible to apply for the stipended academic exchange, and preference is given to applicants seeking full semester or academic-year placement. The deadline for applications for the 2006 – 2007 academic year is Jan 10.

For application materials and further information on the program, contact Ariann Stern at the Russian and East European Studies Center at (480) 965-7705 or (ariann.stern@asu.edu).

Unlimited access bus passes available Jan. 3

For bus riders with a valid ASU identification card, spring 2006 ASU unlimited access bus passes will be available for pickup beginning Jan. 3 at the ASU Decal Sales Office. The office, which is open from 7:30 a.m. – 4:30 p.m., Monday – Friday, is located at the intersection of Fifth Street and Forest Avenue, across the street from "A" Mountain.

The spring bus pass is valid from Jan. 16 – June 30 on any Valley Metro Bus route, including Phoenix Rapid and regional express routes.

The fall bus passes expire Jan. 16.

Also, ASU Parking and Transit Services representatives will be distributing spring bus passes at several locations on the Tempe campus at the beginning of the new semester. Further details and site locations will be posted on the PTS Web site (www.asu.edu/dps/pts).

For more information, contact the PTS Travel Reduction Office at (480) 965-1072 or (trdept@asu.edu).

ASU offers new leadership degree program

Beginning in the fall of 2006, ASU's School of Global Management and Leadership will offer a new Leadership in International Management undergraduate degree program.

The program was developed to complement and enhance global business degree opportunities, offering students a higher level of learning and multicultural experiences.

The Arizona Board of Regents approved the new degree program Dec. 2.

The degree expands the School of Global Management and Leadership's focus on international management. It also fills an important opportunity for ASU as NAFTA enters its second decade, the Central American Free Trade Agreement is implemented, and north-south trade and economic development continues to expand in the Americas.

For further information, call (602) 543-6200.

Regents OK new School of Theatre and Film

ASU's Herberger College of Fine Arts has received approval from the Arizona Board of Regents to begin operating a School of Theatre and Film.

The college proposed reorganizing its Department of Theatre to reflect its expanded role in ASU's new bachelor's degree in film. The degree has two concentrations:

- Film and media production, provided by the Herberger College School of Theatre.
- Film, and film and media studies, provided by the College of Liberal Arts and Sciences.

Examples of classes to be offered by the School of Theatre and Film include:

- Principles of Dramatic Analysis.
- Directing for Film.
- Sex and Violence in Film and Television (Ethics and Entertainment).
- Screenwriting and Film Post-Production.

For more information about the new bachelor's degree in Film, visit the Web site (http://herbergercollege.asu.edu/news/newsreleases/2005/dot_filmdegree_092205.htm).

Correction

In *ASU Insight's* Dec. 9 edition, the name of the presenter of an award to ASU for the Integrated Date to Enhance Arizona's Learning (IDEAL) project was given in error. The Enterprise All-Star Award was from *Network World Magazine* and not Network Appliance Inc. The co-principal investigators in the IDEAL project are Samuel DiGangi, assistant vice provost in Information Technology (IT) and an associate professor in the College of Education, and Angel Jannasch-Pennell, a director of IT services. In addition, Jack Hsu, a director of IT services, was recognized in the award as designing the network's infrastructure.

In the Spotlight

The National Bureau of Asian Research (NBR) recently recognized **Sheldon W. Simon**, political science professor, with its Directors Award for Outstanding Contributions in Research. The award is given to those who are considered to be an extraordinary research specialists and have made a significant contribution to research and policy regarding the Asia-Pacific region. Simon serves as a member of the bureau's board of advisers and is the founding chairman of the institution's program on Southeast Asia. He has contributed a chapter to every "Strategic Asia" volume, an edited annual book published by NBR that tracks the strategic environment in Asia. He currently is leading a major NBR project on American and southeastern Asian responses to China's rise.

Associate professor **Wendy Hultsman**, chair of the Department of Recreation and Tourism Management at the West campus, recently received Indiana University's John Endwright Distinguished Alumni Service Award. The award is IU's School of Health, Physical Education and Recreation's highest accolade presented to alumni, providing recognition for distinguished service through personal and professional accomplishments and community service.

Hultsman received her master's degree from IU in 1977. She has completed several studies in the area of special event management, including examination of vendor needs and satisfaction relative to trade show participation, as well as entertainers' perceptions of event management. She continues to develop comprehensive

long-range plans for retirement communities in the Valley. Hultsman organized a multiple-year partnership with Glendale's Parks and Recreation Department to provide service learning opportunities for ASU students.

ASU police officers **John Sutton**, commander at the Polytechnic campus, and Sgt. **Charles Loftus** of the Tempe campus recently were recognized by the National Center for Biomedical Research and Training in Baton Rouge, La. Sutton and Loftus trained police and other emergency responders at ASU, the University of Arizona, Northern Arizona University and many community colleges in the state on how to prepare, respond and handle weapons of mass destruction attacks specifically on university campuses.

The Electronic Document Systems Foundation (EDSF) has honored **Thomas Schildgen**, professor and chairman for the Technology Management Department at the Polytechnic campus, with the Educator of the Year Award for Higher Education. The award, sponsored by Pitney Bowes Inc., is presented to an educator in higher education who is dedicated to the advancement of the document industry through education. Schildgen fosters innovation and excellence in students and faculty, and has made significant contributions to the graphic communications industry worldwide – both inside and outside the university environment. Schildgen also was the 2005 recipient of the Distinguished Alumni Award, which is given by the Department of Technology at Illinois State University (ISU). He

was recognized for his contributions to many professional organizations, a variety of advisory boards, and his service on the National Association of Industrial Technology and Accreditation Council for Collegiate Graphic Communication Boards of Accreditation.

Lee B. Croft, professor and coordinator of Slavic Languages and Literatures, has been awarded the "V.I. Vernadsky – 10 Years of RAEN" silver medal by the Russian Academy of Natural Sciences. This award recognizes Croft's "30 years of teaching the Russian language, literature and culture, his researching and collaboratively publishing Russian works on Nobel laureate U.S. scientists Irving Langmuir and Linus Pauling, and his longtime administration of the Slavic languages and literatures section at a prominent American university (ASU)." The award was made by Academician of RAEN, Ural Division, Valentin F. Olontsev, at a reception following the November convention of the Arizona Chapter of AATSEEL in Tempe.

Robert Spindler, university archivist and administrator of Archives and Special Collections, recently gave the keynote address at the 2005 Electronic Records Fellowship Symposium. The symposium was sponsored by the National Historical Publications and Records Commission, a division of the National Archives and Records Administration, and was hosted by University of North Carolina-Chapel Hill and Duke University. Spindler's presentation, titled "In Search of Strategic Direction: Digital Preservation Advocacy in

Higher Education," reviewed four efforts to facilitate selection and long-term preservation of electronic records and other digital products of ASU. He called archivists and librarians to lead the development of a "culture of stewardship" at their institutions, noting the decay of record-keeping practices in the face of declining public support for higher education, increasing calls for accountability and changing technologies.

The Southern Management Association (SMA) has named **David D. Van Fleet**, with the School of Global Management and Leadership, as the winner of the 2005 SMA Sustained Outstanding Service Award. Van Fleet has been a member of SMA since 1964 and has served in a variety of major positions, including board of directors, secretary, editor of the *Journal of Management*, vice president and program chair, president and fellow. He also has served SMA through a number of important appointed service roles, such as: *Journal of Management* editor selection committee; co-editor of *Journal of Management's Yearly Review of Management*; track chair, best paper committee; faculty member in doctoral consortium; strategic planning task force; coordinator of doctoral consortium; chair of the *Journal of Management* editor selection committee; and organizer and chair of the "30 Years of the *Journal of Management*" symposium for the national meeting of the Academy of Management.

Sports Hall of Fame pays tribute to Sun Devil excellence

By Gary Campbell

For more than 100 years, ASU athletics has built a tradition of excellence in the hearts and minds of fans and alumni. Now that history has a new physical home: the Bill and Judy Schaefer Sports Hall of Fame.

Located in the first floor lobby of the Nadine and Ed Carson Student-Athlete Center on the Tempe campus, the facility pays tribute to former student-athletes, coaches and administrators who have influenced Sun Devil athletics. The hall opened to rave reviews at the end of October.

"This was beyond our imagination. We are thrilled," says Judy Schaefer – who, along with her husband, Bill, donated the funds to develop the facility. "It captures exactly what we wanted to showcase: the past and the present, so it can help mold the future."

The Sports Hall of Fame, designed as a point of pride for the university and the athletics department, features items chronicling the history of ASU athletics dating back to the early 1900s. Visitors are able to use interactive stations to look up information on former student-athletes,

as well as view video from games and read feature stories about them.

The hall also features window graphics, legends banners of the top 20 student-athletes in ASU history, and memorabilia from the Olympic Games, as well as information on student-athletes who have gone into the professional ranks.

The hall, which had been in development for several years, features representatives from all of ASU's major sports, including football and basketball. It also includes features on those who excelled in other sports, such as badminton and archery – sports that ASU dominated in years past.

"We covered every sport, including ones that aren't active any more," says Bob Eger, unofficial ASU sports historian and author of the book "Maroon & Gold: A History of Sun Devil Athletics." "Women's sports are definitely represented. I think we did a good job covering all of the big events through ASU history."

Campbell, with Media Relations, can be reached at (480) 965-7209 or (garycamp@asu.edu).

Marean studies human evolution

(Continued from page 1)

ancient ecology at the time. Scientists know that environment is one of the biggest influences that drives evolution, Marean says, so reconstructing the environment from 400,000 years ago to 30,000 years ago might hold the key to understanding why humans evolved the way they did.

"During glacial advances throughout the Pleistocene period (an era from 1.6 million years ago to 11,000 years ago), Africa got a lot drier and the Sahara Desert grew wider, creating isolated pockets of human civilization," Marean says. "Isolation is a perfect condition for evolution to occur."

Price, with Media Relations, can be reached at (480) 965-9690 or (mbprice@asu.edu).

Agilent Technologies acquires ASU spinoff company Molecular Imaging Inc.

(Continued from page 1)

look to universities not just to produce a qualified work force, but to generate discoveries and innovative technologies that they can license.

Agilent Technologies Inc. is a global technology company operating in the areas of communications, electronics, life sciences and chemical analysis. Agilent acquired Molecular Imaging for its advanced technology in atomic force microscopy (AFM). Called the "eyes of nanotechnology," AFM is used to measure the shape and properties of materials at the nanoscale. AFM represents a significant portion of the \$1 billion nanotechnology measurement tool market.

Over the past three years, ASU has implemented several critical strategies aimed at launching ASU into the ranks of the premier research universities. ASU is developing more than 1

million square feet of new research capacity and has adopted an entrepreneurial research thrust to help drive the growth of the biotechnology sector in Arizona. Such growth supports state and Valley initiatives to create a strong biosciences sector and a more diversified economy.

While a major research program such as the Biodesign Institute represents an important source of innovation for local companies, the university's technology transfer expertise provides a rapid means of accessing this innovation. In 2003, ASU transformed its former intellectual property office into a more robust technology transfer and commercialization operation that it titled Arizona Technology Enterprises (AzTE).

AzTE is ranked in the top 10 university technology transfer offices nationally under a variety of criteria, including:

- The number of inventions disclosed per \$1 million spending on research.

- The number of start-up companies formed per \$10 million spending on research.

- The number of U.S. patent applications filed per \$1 million spending on research.

"Molecular Imaging has premier AFM technology that is the high-performance value leader in the market," says Bob Burns, vice president of Agilent's Nanotechnology Measurements Division.

He said the acquisition complements Agilent's core strength of measurement technology while building its presence in nanotechnology. Agilent employs 27,000 employees who serve customers in more than 110 countries, and the company had a net revenue of \$5.1 billion in fiscal year 2005.

Ovitt, with the Biodesign Institute, can be reached at (480) 727-8688 or (kimberly.ovitt@asu.edu).

Morrison Institute report takes critical look at domestic violence issues

(Continued from page 1)

of comments from officers and supervisors.

Arizona, like most states, has laws and policies that bolster law enforcement officers' arrest powers in domestic violence cases and require them to arrest suspects under certain circumstances. "Layers of Meaning" shows how officers feel about the "criminalization" of domestic violence.

"Morrison Institute's 'Layers of Meaning' is a significant contribution to understanding domestic violence in Arizona," says Gov. Janet Napolitano. "The report is a tool for continued dialogue on how to improve our state's response and efforts to prevent domestic violence."

The study's major findings include:

- The vast majority of Arizona officers consider domestic violence to be a serious, underreported problem that generates other crime and violence and contributes to a variety of costly issues affecting families, children, neighborhoods, schools and employers.

- Nearly all officers accept the view of domestic violence as a "real crime" that warrants police intervention – having shed past "traditional" views that considered domestic violence to be a private family matter.

- Officers are split in the support for Arizona's

"pro-arrest" policy, with many not believing that it reduces domestic violence.

- Many officers struggle to understand domestic violence victims' actions and attitudes, sympathizing with their plight but questioning some of their behaviors and outlooks.

- Officers recognize the burdens faced by overworked prosecutors, yet voice frustration with what they perceive to be a lack of follow-up by prosecutors. They fear that too little prosecution lessens the impact of arrest, discourages victims, emboldens batterers and spreads cynicism among officers themselves.

- Officers are split over whether more training is needed, although the study's findings suggest that needs do exist in several areas.

- Frustration for officers comes from a variety of factors, including the high number of repeat calls; the infrequency with which victims prosecute or leave the abusive relationships; and the perceived lack of effective follow-up by the entire criminal justice system.

These findings show that the years of effort to promote recognition of domestic violence as a serious criminal matter have paid off. At the same time, however, officers' frustration leaves many resigned to the conclusion that intervening at a domestic violence scene will at best protect the victim for simply that one night.

"Arizona POST participated in the 'Layers of Meaning' project in the hope of gaining a more complete understanding of this important area of police response," says Tom Hammarstrom, executive director of Arizona POST. "The information contained in this report is a valuable asset we will use in designing law enforcement training programs, which in turn will enable Arizona peace officers to provide the best possible response in domestic violence situations. We are very pleased with the quality of the survey and thank all of the 'Layers of Meaning' partners, particularly the Morrison Institute."

Arizona's law enforcement officers take domestic violence seriously and are witnesses to its devastating effects on families and neighborhoods. They recognize that domestic violence is a problem that makes other community issues worse, and they want to do their part. But officers also feel themselves caught between a number of conflicting forces and isolated in their efforts.

As one detective put it: "We can't do it alone."

"As domestic violence incidents continue to increase in Arizona, it is important to understand the dynamics involved for not only the domestic violence victim, but for the law enforcement officer responding to what can be a very dangerous call," says Arizona Department

of Public Safety Director Roger Vanderpool. "The results of Morrison Institute's 'Layers of Meaning' report are enlightening and will help with training the criminal justice community, and other interested parties, to ensure that victims of domestic violence can achieve healing, justice and safety."

"Layers of Meaning's" findings suggest some vital next steps in Arizona's efforts to reduce and prevent domestic violence, including:

- Promote domestic violence training for officers.
- Strengthen community efforts to prevent domestic violence.
- Strengthen Arizona's criminal justice response to domestic violence.
- Map key domestic violence decision points.
- Review how prosecution functions as part of the overall system.

Arizona's police officers and sheriff's deputies form the state's front line in responding to and reducing domestic violence. But community institutions, criminal justice institutions, residents and policy makers have important parts to play, too. All Arizonans can help ensure that "first responder" does not mean "only responder."

Leland, with the Morrison Institute, can be reached at (480) 965-4525 or (karen.leland@asu.edu).

EMPLOYMENT

The following positions are available as of Dec. 13 and are subject to change. All positions will be advertised in Insight only once. 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 Tempe, East and downtown Phoenix campuses is available on the Human Resources Web page at (www.asu.edu/hr/jobs), or the Telecommunication Device for the Deaf at (480) 965-3002. Announcements for West campus openings are available on the West Human Resources Web page (www.west.asu.edu/adaff/hr/JOBS/jobOpps.htm) and on the West Dial-a-Job Hotline at (602) 543-5627.

For complete position descriptions/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 5 p.m. on that date. Positions are 100% FTE unless otherwise noted. Codes below are: (C) – Classified; (A) – Administrative; (S) – Service Professional; #O – position is open to the public; #U – position is limited to current ASU, Northern Arizona University, University of Arizona and Arizona Board of Regents employees.

STAFF POSITIONS

TEMPE CAMPUS

Executive and management

Director, Architecture and Planning (S)/#O-122319 – University Architects Office (Dec. 30; every week thereafter until search is closed).

Director, College of Law (S)/#O-122492 – College of Law (Jan. 10; every two weeks thereafter until search is closed).

Professional

Graphic Design Specialist (S)/#O-122449 – Ira A. Fulton School of Engineering, Dean's Office (Dec. 28; every two weeks thereafter until search is closed).

Health/Safety Officer (C)/#O-122485 – Ira A. Fulton School of Engineering, Dean's Office (Dec. 30; every two weeks thereafter until search is closed).

Instructional Specialist Senior (C)/#O-122536 – Counseling and Consultation (Dec. 21; every two weeks thereafter until search is closed).

Project Manager (S)/#O-122464 – Capital Programs Management Group (Dec. 28; every week thereafter until search is closed).

Administrative support

Library Assistant (C)/#O-122461 – Technical Services (Dec. 30; every two weeks thereafter until search is closed).

Office Specialist (C)/#O-122553 – Office of Equal Opportunity/Affirmative Action (Dec. 28; every week thereafter until search is closed).

Office Specialist Senior (C)/#O-122466 – Administrative Services (Dec. 28; every week thereafter until search is closed).

Service/field craft/maintenance

General Maintenance Mechanic (C)/#O-122472 – Enhanced Building Maintenance Program (Dec. 28; every week thereafter until search is closed).

HVAC Service Worker (C)/#O-122493 – HVAC Services (Dec. 28; every week thereafter until search is closed).

WEST CAMPUS

Professional

Career Service Specialist Sr. (C)/ #0600266 – Career Services/Personal Counseling (Jan. 18).

ACADEMIC POSITIONS

TEMPE CAMPUS

Graduate student positions

History – Graduate Research Assistant/#8545 (Jan. 3); Graduate Research Associate/#8546 (Jan. 3).

DOWNTOWN PHOENIX CAMPUS

Faculty

NCIAS – Assistant/Associate Professor/#8544 (Jan. 16; every Monday thereafter until search is closed).

WEST CAMPUS

Faculty

New College of Interdisciplinary Arts & Sciences (Department of Interdisciplinary Arts & Performance) – Assistant/Associate Professor/#8544 (Jan. 16; every Monday thereafter until search is closed).

Student wins national grant to help children with cerebral palsy

Researcher is first recipient from the Biodesign Institute to receive this type of award

By Joseph Caspermeyer

Andrea Downing dreams of developing therapies to help children with cerebral palsy – and she now has \$90,000 to kick those dreams into overdrive. Downing, a graduate student at ASU, was recently announced as a recipient of the Ruth Kirschstein Pre-Doctoral Fellowship Grant from the National Institutes of Health's Institute for Neurological Disorders and Stroke.

"It is so rewarding to have this opportunity to do something so meaningful," Downing says. "While you always hope your contributions as a student researcher are helpful to the team, I'm proud that I'm now able to bring funding to the effort."

Downing has maintained a 4.0 grade point average in her studies in the Harrington Department of Bioengineering at the Ira A. Fulton School of Engineering. She also is the first researcher at the Biodesign Institute to receive this individually funded, national grant. She will carry out



Andrea Downing, left, shown here talking with bioengineering professor James Abbas, has received a \$90,000 national grant to develop therapies to help children with cerebral palsy. Abbas will help guide Downing's research.

her research under the guidance of bioengineering professor James Abbas, co-director of the Center for Rehabilitation Neuroscience and Rehabilitation Engineering

at the Biodesign Institute.

Downing also is a part of ASU's Integrative Graduate Education and Research Traineeship (IGERT) program in Neural and Musculoskeletal Adaptations in Form and Function, a program funded by the National Science Foundation to prepare scientists for more multidisciplinary, emerging new career opportunities.

Downing's research project is aimed at developing practical and effective therapeutic interventions to improve the motor skills of children with cerebral palsy (CP). According to the National Information Center for Children and Youth with Disabilities, there are more than 500,000 Americans living with CP.

The disease is an umbrella term used to describe a series of chronic disorders that impair control of movement, usually resulting from an injury to an immature brain. This limits a child's ability to explore, which in turn hinders intellectual and social stimulation – having significant implications for the child's educational development, independence and quality of life.

She explained that because CP is a lesion of the central nervous system that occurs

at birth or in the early stages of life, there is an urgent need for her research to help children and maximize the development of their coordination skills.

Downing also notes that muscle weakness in children with CP typically is measured by having the children push their hardest in a specific direction. Yet most activities of daily living don't involve such maximum effort. She wondered if such measures are the most accurate indicators of a child's true abilities.

Her research seeks to improve methods to control muscle force in the lower body with a particular focus on muscle inflection, timing and coordination. From this, she will develop and evaluate a new training protocol designed to target the specific aspects of muscle control. Her research is funded through August 2008.

The Ruth L. Kirschstein National Research Service Award is a research training grant awarded to develop or enhance research training opportunities for individuals interested in careers in biomedical, behavioral and clinical research.

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



Events are free, unless

otherwise noted. Building abbreviations are listed according to the official ASU phone directory. Send information to Judith Smith at (jps@asu.edu) or fax (480) 965-3465. For information about ASU events, visit the Web at (<http://events.asu.edu>).

Meetings

■ Tuesday, Dec. 20

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

■ Wednesday, Dec. 21

Museums, Galleries and Collections Committee, noon – 1 p.m., Archaeological Research Institute (ARI) conference room. Information: (480) 965-5185.

Miscellaneous

■ Friday, Dec. 16

Memorial for Rena Joyce Gordon, 1:30 – 3:30 p.m., Kerr Cultural Center, Scottsdale. Rena Gordon was an associate member of the Emeritus College and wife of Len Gordon, a professor emeritus of sociology.

■ Friday, Dec. 23

Blood Drive, 9:30 a.m. – 2:30 p.m., Seventh Street and Mill Avenue, Tempe (across from Borders Books). Appointments: (www.bloodhero.com); sponsor code: ASU).

■ Wednesday, Dec. 28

Exhibits@noon, noon – 1 p.m. This month, visit the ASU Planetarium. Sponsored by ASU's Museums, Galleries & Collections Committee. Information: (www.asu.edu/museums).

Entertainment

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

■ Tuesday, Dec. 27

"Cats," 7:30 p.m., Gammage Auditorium. Also at 7:30

p.m., Dec. 28 – 30; 2 p.m. and 7:30 p.m., Dec. 31; 2 p.m. and 7 p.m., Jan. 1.**

Exhibitions

Archives, Luhrs Gallery — 8 a.m. – 5 p.m., Monday – Friday. Hayden Library, fourth floor. Information: (480) 965-3145.

Through Jan. 20, "Rediscover Arizona's Frontier Through Primary and Secondary Source Material from Archives and Special Collections."

ASU Art Museum, Nelson Fine Arts Center – 10 a.m. – 9 p.m., Tuesday; 10 a.m. – 5 p.m., Wednesday – Saturday. Information: (480) 965-2787.

Through April 1, "Intertwined: Contemporary Baskets from the Sara and David Lieberman Collection." About 50 works will be shown from the couple's collection of 150, including functional and sculptural forms made from traditional organic to commercial – and sometimes surprising – media. Information: Denise Tanguay, (480) 965-7144.

Through Jan. 28, "Jaune Quick-To-See Smith: Paintings and Prints." Smith's rich combination of abstract and realistic imagery shows concern for the environment, as well as the cultural references and myths of her Native American ancestors.

Through Dec. 24, "Regeneration: Contemporary Chinese Art from China and the United States." This national touring exhibition of 50-plus artworks by 26 artists living in the United States and in China was organized by the Samek Art Gallery at Bucknell University. The artists, some internationally known and some new to Western audiences, represent the regeneration of contemporary life and culture in China.

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

Through Jan. 27, "The Schwemberger Photographs: An acquisition from the Franciscan Southwest Mission." This exhibit features more than 100 compelling images of Native American peoples, homes and landscapes dating back to 1902 taken by Brother Simeon Schwemberger while he lived at St. Michael's Mission near Window Rock, Ariz., in the early 1900s. Schwemberger traveled the Navajo and Hopi reservations, photographing images of Native American peoples, ancient pueblos and the rugged landscapes of New Mexico.

Hayden Library Concourse — normal library hours. Information: (480) 965-6164.

Through Dec. 30, "From Brush to Books: Celebrating 40 Years of Scholarship and His Influence on Contemporary Artists." Books illustrating the work of a dozen Chinese artists will be on display in the concourse cases, selected from about 10,000 volumes that Chut-sing Li, professor emeritus at the University of Kansas, recently donated to ASU Libraries. The collection includes several important journal titles in Chinese art

and art history; exhibit catalogs; reprints of important Chinese artists' works; and books on Asian and Chinese arts and art history, including rare, out-of-print titles.

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

Through Jan. 31, "Room for the Dead: Sixth Annual Dia de Los Muertos Festival Exhibit." Altars created out of household furnishings and appliances will be on display. The exhibition brings together prominent local Chicana/o artists, community members and ASU students in the creation of highly inventive and elaborate altarpieces, reflecting a broad array of individual styles, personal meanings and socially shared concerns.

Through Jan. 31, "Being Human: Celebrating the Launch of the School of Human Evolution & Social Change." In celebration of the launch of the ASU School of Human Evolution & Social Change, which encompasses the disciplines of genetics, forensic science, linguistics, ethnography and archaeology, the Museum of Anthropology will play host to an exhibit that explores many perspectives, offering clues as to what it means to be human, and how we have come to inhabit an increasingly complex and dynamic planet. The exhibit is a collaborative effort between the museum's staff and the school's faculty, staff and students.

Athletics

Tickets for all sports are available from 9 a.m. to 5 p.m., Monday – Friday, at the Sun Devil Ticket Office at the south end of Sun Devil Stadium in the Carson Student-Athlete Center. Call (480) 965-2381.

All men's and women's basketball at Wells Fargo Arena.

■ Monday, Dec. 19

Women's Basketball, 6:30 p.m., ASU versus Texas-San Antonio. Also: 6:30 p.m., Dec. 29, ASU versus Washington; 2 p.m., Dec. 31, ASU versus Washington State.

■ Wednesday, Dec. 21

Men's Basketball, 7 p.m. ASU versus Boise State. Also: 4:30 p.m. and 7:30 p.m., Dec. 22, ASU Holiday Tournament.

Defenses

Theresa Edgington, Ph.D., Bus. Adm., 10 a.m., Dec. 19, BA 257.

Barry Brewer, Ph.D., Bus. Adm., 1 p.m., Dec. 19, BA 258.

Paul Holley, Ph.D., Soc., 9 a.m., Dec. 20, COOR 5635.

Jesus Alejandro Jimenez, Ph.D., Ind. Eng., 9 a.m., Dec. 22, GWC 510.

Noe Vargas-Hernandez, Ph.D., Mech. Eng., 1 p.m., Dec. 22, GWC 472.

Luis Lesser-Carrillo, Ph.D., Civ. Eng., 11 a.m., Jan. 6, ECG 252.