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### ASU Town Hall

Sun Devils who have questions or concerns about safety can get answers at the Tempe Campus Safety Town Hall, which takes place from noon to 1:30 p.m., April 21, on the Student Services Lawn at the Tempe campus.

Marking its third year, the annual town hall will address safety and security topics from the campus community. This lunchtime event will start with a brief overview on Metro Light Rail, emergency notification systems and campus security measures, followed by an audience question-and-answer session. Free pizza and beverages will be provided on a first-come, first-served basis to those who attend.

The event's co-hosts – the ASU Police Department and the Tempe Public Safety Advisory Committee (PSAC) – have invited representatives from ASU's departments of counseling and consultation, public affairs, student life, university student government and residential life to assist in addressing audience questions. Other groups set to be a part of the discussion are Tempe Police and Metro Light Rail.

Other ASU campuses will hold separate meetings to address the concerns at their respective campuses. Annual town hall meetings were established on all four campuses in 2005, when ASU adopted recommendations from the Myles Lynk Report.

### ASU on the Web

The deadline to register for Pat's Run in Tempe is April 15. The event, which includes a 4.2-mile timed run and walk, a 0.42-mile children's run and other entertainment, will take place April 19.

Pat's Run honors the memory of Tillman, a former ASU and Arizona Cardinals football standout who was killed April 22, 2004, while serving his country as an Army Ranger in Afghanistan.

The event benefits the Pat Tillman Foundation and its youth leadership programs.

Last year, Pat's Run in Tempe and San Jose, Calif., Tillman's hometown, had almost 15,000 participants, volunteers and spectators combined, a record number for the event.

For more information, or to register as a participant, visit the Web site [www.patsrun.com](http://www.patsrun.com). Online registration will be available through the evening of April 15.

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



Charlene Bashore



Lara Cardy



Bryan Rolfe



Garth Baughman



Christa Lee

## ASU unveils 3 Goldwater, 2 Udall scholars

Outstanding research earns Goldwater honors

By Sarah Auffret

Three ASU juniors who already are performing sophisticated research that may have worldwide benefit have won Goldwater Scholarships, the nation's premier awards for undergraduates studying science, math and engineering.

Working in the laboratories of ASU senior faculty and scientists who are also mentors, the three are getting a head start on promising careers.

(See **GOLDWATER** on page 7)

Environment, tribal health care spur Udall winners

By Sarah Auffret

Two ASU undergraduates who have won Morris K. Udall Scholarships may have had vastly different life experiences, but they share a devotion to goals that were close to the Congressman's heart.

Christa Lee, a sophomore in nursing, grew up on the Navajo Nation, in Window Rock. She wants to improve Native American health care, having experienced the death of her father from alcoholism when she was

(See **UDALL** on page 7)



DAVID TEVIS PHOTO

**Chanson Shells, manufacturing engineering technology senior and administrative manager on the bioreactor project, adjusts the aeration system for the bioreactor.**

## Bioreactors at ASU create a marriage of the minds

By Chris Lambrakis

Last summer, ASU researchers Qiang Hu and Milton Sommerfeld were named as part of a team on a grant from the Defense Advanced Research Projects Agency (DARPA) to produce algal oil feedstock as biofuels for conversion to military jet fuel.

Part of this process requires bioreactors to grow the algae. Hu had concepts for bioreactors, but did not have the knowledge or ability to build them himself. That's when he turned to the faculty and students in the Department of Mechanical and Manufacturing Engineering Technology (MMET).

Together, the departments of Applied Biological Sciences and MMET combined their science

and engineering expertise to build four different types of bioreactors.

"The relationship is a good mesh between scientists and engineers," says Jerry Gintz, a senior lecturer in MMET and the faculty adviser on the project. "Scientists do not have expertise in the design and fabrication process necessary to bring their ideas to fruition, and engineers do not have expertise in the science behind the experiment – but they know how to build."

Each bioreactor has a distinct purpose. The cultures are grown in a small bioreactor located inside the Laboratory for Algae Research and Biotechnology, then moved to slightly larger bioreactors located in a greenhouse. After

(See **BIOREACTORS** on page 7)

## Partnership with Phoenix earns ASU Kellogg award

By Julie Newberg

The vision for a new ASU campus in the heart of downtown Phoenix initially was conceived on a napkin at a breakfast meeting between ASU President Michael Crow and Phoenix's mayor, Phil Gordon, five years ago.

ASU's new Downtown Phoenix campus became a reality after that fortuitous meeting, when Phoenix voters overwhelmingly approved a \$223 million bond for construction of the campus in 2006. The campus has evolved into a crucial element in the revitalization of the downtown area – and an entity that embodies social responsibility, access and excellence in education.

In recognition of the extraordinary partnership between the university and the city, ASU's Downtown Phoenix campus has won a 2008 Outreach Scholarship W.K. Kellogg Foundation Engagement Award in the Western Division. Scholarship winners are awarded \$6,000 and move on to compete for the 2008 C. Peter Magrath Community Engagement Award, which is presented annually by the National Association of State Universities and Land-Grant Colleges, A Public University Association.

The Outreach Scholarship and Magrath Awards recognize four-year pub-

(See **ASU'S** on page 6)

## 'Healing clays' hold hope against disease, infection

By Margaret Coulombe

Mud could be coming to a medicine cabinet or pharmacy near you. Scientists from ASU report that minerals from clay could provide inexpensive, highly effective antimicrobials to fight methicillin-resistant *Staphylococcus aureus* (MRSA) infections that are moving out of health care settings and into the community. These "superbugs" are increasingly resistant to multiple antibiotics and cause thousands of deaths each year.

Unlike conventional antibiotics routinely administered by injection or pills, the so-called "healing clays" could be applied as rub-on creams or ointments to keep MRSA infections from spreading, according to researchers in ASU's College of Liberal Arts and Sciences. The clays also show promise against a wide range of other

harmful bacteria, including those that cause skin infections and food poisoning.

The researchers' study, one of the first to explore the antimicrobial activity of natural clays in detail, was presented at the 235th national meeting of the American Chemical Society, the world's largest scientific society.

Clays have been used for thousands of years as a remedy for infected wounds, indigestion and other health problems, either by applying clay to the skin or eating it. Cleopatra's famed beauty has been credited to her use of clay facials. Today, clays are still commonly used at health spas in the form of facials and mud baths. However, armed with new investigative tools, researchers Shelley

(See **'HEALING CLAYS'** on page 6)

## Thatcher named dean of School of Applied Arts & Sciences at ASU

By Chris Lambrakis

ASU has appointed Craig Thatcher, a prominent researcher at Virginia Polytechnic Institute, as dean of the School of Applied Arts & Sciences, effective June 30. He will replace David Schwalm, who is retiring.



Craig Thatcher

Thatcher chaired the Food Nutrition and Health Advisory Committee in the Institute for Biomedical and Public Health Sciences and is a co-director of the National Science Foundation Macromolecular Interfaces with Life Science, Integrated Graduate Education and Research Traineeship (MILES-IGERT) at the Virginia Polytechnic Institute and State University (Virginia Tech), where he has been for nearly 25 years.

"Dr. Thatcher has demonstrated ability to integrate scientific disciplines helping students understand and use science," says Elizabeth D. Capaldi, ASU's provost and executive vice president. "In addition, he is a superb researcher. I am delighted that he has agreed to join ASU."

As dean, Thatcher will focus on the development of programs for undergraduate students in the sciences, as well as in the arts and humanities, while managing the school's rapid growth.

"A polytechnic education offers an applied approach to professional and technological programs," says ASU President Michael Crow. "Dr. Thatcher's experience at Virginia Tech, one of the nation's prominent polytechnic universities, is a valuable foundation for his work here in Arizona. He's a great choice to lead the expansion of arts and sciences programs at our rapidly growing Polytechnic campus."

While in the Virginia-Maryland Regional College of Veterinary Medicine at Virginia Tech, Thatcher rose through the academic ranks, starting as an assistant professor, then taking positions of increasing responsibility before becoming an administrator.

"My background and experience strongly align with the applied sciences and health science strengths of the School of Applied Arts and Sciences," Thatcher says. "The position also offers an incredible opportunity to join a world-class institution."

His research has focused on animal physiology, diet and nutrition, bringing in millions of dollars in research grants. Thatcher co-wrote a book on companion animal nutrition and has written book chapters for more than a dozen books. He has written more than 100 articles that have appeared in refereed and non-refereed journals.

As part of the \$3.2 million MILES-IGERT program, he and other co-directors brought together traditional chemistry, engineering and life sciences faculty members to establish a collaborative research program and educational framework.

"I have experience in developing new ways of bringing faculty together in a transdisciplinary manner that will benefit programmatic development and scientific discovery in the school," Thatcher says. "I am looking forward to working with faculty, staff and students to advance and develop programs in learning, discovery and public service."

Lambrakis, with Public Affairs at the Polytechnic campus, can be reached at (480) 727-1173 or lambrakis@asu.edu.

## Sandra Day O'Connor College of Law

# New fund honors White's accomplishments

By Judy Nichols

A scholarship fund, planned to be the largest at ASU's Sandra Day O'Connor College of Law, has been established in honor of Patricia White, who is stepping down to return to teaching after nearly a decade as dean of the college.

The fund, established by the Law Society of ASU, was announced at the 40th Annual Law Society Dinner, which took place at the college April 1 and was attended by nearly 100 members of the legal community, as well as White's family and friends.

White called the fund extraordinary.

"It was a great privilege to be dean," White said.

She thanked her family for making enormous personal sacrifices in their lives to allow her to do the job.

"I want to express my sincere and heartfelt thank you to all of you," White said.

The law society's president, Timothy Burke, praised White's leadership of the college as he cited many of her achievements, which include:

- Doubling the budget and the faculty.
- Creating a stronger and more diverse student body.
- Improving specialty programs such as the Indian Legal Program and the Center for the Study of Law, Science & Technology.
- Creating a vastly broader curriculum, including new interdisciplinary programs in philosophy, psychology, international law and real estate.

One of White's biggest achievements is the renaming of the college in 2006 for retired U.S. Supreme Court justice Sandra Day O'Connor.

ASU President Michael Crow said White has helped



ASU President Michael Crow, left, presents a turned-wood vase to Patricia White, outgoing dean of the Sandra Day O'Connor College of Law, at the 40th Annual Law Society Dinner April 1.

build a law school that makes him proud.

"The trajectory the law school is on is fantastic," he said.

Crow said White has hired faculty who are significant intellectuals and contribute to academic literature and intellectual discourse. He added that she has been one of the most significant fighters within the institution for access and has achieved a significant level of diversity in the faculty and students of the college, and that she has promoted programs that demonstrate a strong commitment to public service by increasing legal aid clinics and engaging faculty and students in the spirit of public service.

"As we go forward in what lies ahead for ASU and for the school, we're doing that on the basis of what Trish has in her inner core: intellectual engagement, intellectual grounding and public service," Crow said. "I thank you, Trish, for having instilled that into the core genetic material of this law school."

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## Lecture award pays tribute to ASU's Denhardt

By Corey Schubert

Most villains don't really know they're evil.

It's not always their intentional greed or cruelty that causes harm, but their failure to see the moral issues lying just below the surface of their plans.

That idea is at least as old as Aristotle, but today Robert Denhardt is using it to encourage modern leaders to keep ethical concerns in clear focus when making decisions that affect our lives.

The director of the School of Public Affairs at ASU's College of Public Programs discussed these issues when he received the Donald C. Stone Lecturer Award from the American Society for Public Administration at the group's national conference in Dallas.

The award pays tribute to people who have contributed outstanding services to the public administration society.

He debuted a lecture, "The Art of Moral Leadership," at the conference.

"The world of those who lead at whatever level is inherently one in which they are living 'on the edge' – the edge of the present as it falls into the future," Denhardt says. "That's where values abound."

Denhardt poses many moral questions that also serve as foundations for several leadership and ethics courses in the School of Public Affairs. Among them: How can leaders bring the same creativity to addressing moral questions that they bring to facing concerns of cost, performance and results? How can someone be a creative leader while also ensuring that creativity isn't used to devise faulty justifications for their actions?

A leader provides assurance by letting followers know they're "doing the right thing" and relieves the sense of concern they

might feel in moving away from their comfort zones, Denhardt says.

"But what's interesting is that doing so requires the leader to assume a certain responsibility ... to make sure the process of moving forward is undertaken with care and sensitivity," he says.

Denhardt emphasizes that leaders must maintain the integrity of a group's creative process, where everyone can freely express their views and feel that their input is fully entertained by the leader.

Otherwise, "the leader may be tempted not only to rule with excessive power, but to make decisions based on his or her personal interests rather than the group," Denhardt says. "And the leader may be tempted to lie to followers to protect the organization, or at least 'spin' the truth to conceal what is actually happening."

Denhardt is Regents' Professor and Lincoln Professor of Leadership and Ethics at ASU. He has published 19 books about topics such as public service, revitalizing public policy and managing human behavior.

The lecture also expanded on points from his book, "The Dance of Leadership," which draws on parallels between leaders and artists such as musicians and dancers.

"Connecting with the emotions is the work of art and, for this reason, we think leadership, whether in small groups, organizations, or even entire societies, is an art rather than a science," he says.

The lecture likely will be published in Public Administration Review, a journal that focuses on public administration research, theory and practice.

"Artistic leadership connects with us emotionally in a way that energizes and causes us to act," Denhardt says. "But we must also be attentive to the moral purpose of leadership, to lift up both the leader and the led, to move them both toward the greater good."

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



Robert Denhardt

## Marketing students tout ASU teacher education

By Jacob Karp

Marketing students in the W. P. Carey School of Business are gaining real-world experience while helping to promote an ASU teaching program.

The students, members of Pi Sigma Epsilon's Iota chapter, are creating a marketing campaign to target and inform undergraduates about the secondary science teacher program in the College of Education. The overall objective of the campaign is to increase awareness and bolster enrollment in the program.

In collaboration with faculty in the College of Education, members of the nationally ranked marketing fraternity are helping to establish target audiences for the campaign, create selling points for the program and provide a framework for the implementation of the strategy.

The college's dean, George Hynd, says he already can see the benefits of working with Pi Sigma Epsilon.

"The marketing plan and strategies developed have been dramatically enhanced through this partnership," Hynd says.

"PSE's insight, enthusiasm and recommendations have truly influenced the way we will market our science education program."

The development process of the campaign, which has been in the works since the beginning of the fall semester, is scheduled to wrap up in May. Once the plan is finished, PSE will assist the College of Education in implementing the campaign over the summer.

Such campaigns provide great real-world experience for students, says Fanny Halsey, PSE's president-elect and committee chair.

"Working on a project like this shows members what it takes to create a marketing plan that includes strategy and in-depth concepts," Halsey says. "This allows them to use the skills they learn in the classroom, and also provides them with valuable networking opportunities and résumé-building experiences."

PSE's Iota chapter at the W. P. Carey School models itself on the concept of a marketing consulting firm, and treats each

project like an internship for its members.

Student members are encouraged to participate in projects that give them the opportunity to develop and fine-tune the business, communication and marketing skills they will need when they enter the work force.

Fraternity members have worked on marketing campaigns with a number of companies, including local start-up Arizona Ride Home, Dewalt Power Tools, and Scottsdale nightclubs Axis-Radius and e4.

James Spiers, a senior lecturer in the W. P. Carey School's marketing department, serves as faculty adviser to the fraternity, preaching the value of hands-on experiences.

"Students can learn a lot by reflecting upon the campaigns they create," Spiers says. "By analyzing what does and does not work, students are able to grow and become better prepared for their careers."

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## ASU Insight

ASU Insight is published by Media Relations, a department within the Office of Public Affairs. ASU Insight is published on Fridays, except during university holidays and other times as deemed necessary by the Insight editorial board. Submit items typed, double-spaced. The editor reserves the right to edit for style and space. Bring items to the Administration Building, room B353, send e-mail to (asu.insight@asu.edu), fax (480) 965-2159 or send campus mail to 1803 – ASU Insight. Telephone (480) 965-9689.

**Deadlines:** Submit all articles, notices and calendar items as early as possible. **Deadline is Friday before 5 p.m. for the following Friday's paper.**

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Printed on paper from Sustainable Forestry Initiative (SFI) certified mills and forests.

## A SPRING BREAK EXPERIENCE LIKE NO OTHER

Future nonprofit leaders make a difference in New Orleans

By Nicole Hadley

The words “spring break” often conjure images of a weeklong vacation on a sunny beach, far away from the stresses of college life. But ask any of the seven ASU American humanics (AH) students who completed service projects in New Orleans about their week away, and they’ll tell you that, while they didn’t spend their time on a beach, this spring break is one they will never forget.

This next generation of nonprofit leaders spent seven days in New Orleans accomplishing such tasks as:

- Demolishing a Ninth Ward nursing home.
- Cleaning up the house and yard of New Orleans resident Norman Jackson, who is slowly rebuilding his life two years after fleeing Hurricane Katrina.

• Working with Audubon Society members to restore the natural ecosystem of the wetlands.

Two-and-a-half years after Hurricane Katrina tore through New Orleans, students were amazed to discover that some areas have yet to be touched by cleanup crews.

“The most memorable experience was gutting the old St. Margaret’s assisted living facility,” says Megan Trombetta, a junior who hails from Phoenix. “It was the first work to be done on the building since the storm. It was surreal. There was a calendar on the wall for August 2005. In the boardroom there was an evacuation plan written on the dry erase board. It was as if time had just stopped.”

Students were played host to in New Orleans by Operation Nehemiah, a faith-based nonprofit organization dedicated to mobilizing people toward creating a better world. Its motto is “rebuilding the walls of people’s lives” – words that accurately capture the work they do in New Orleans.



ASU American Humanics students completed several service projects during their spring break trip to New Orleans. Front row, from left: Megan Trombetta, Candida Henriquez, Ashlie West and Lauren Dunning. Back row, from left: New Orleans resident Norman Jackson, Caitlin Gizler, Korbi Adams, Jessica Brzuskiwicz and Stacey Freeman.

KORBI ADAMS PHOTO

“As a former ASU student, I was extremely delighted that the group decided to come to help us here in New Orleans,” says Fred Franke, director of Operation Nehemiah. “They are among more than 14,000 volunteers who’ve come to work with us here in order to help in the rebuilding process of New Orleans.”

Operation Nehemiah not only housed and fed the AH group, but it also coordinated all the service projects for the students.

“Operation Nehemiah was amazing,” says Caitlin Gizler, a senior from Phoenix who is president of the AH Student Association. “They have very few resources in terms of funding, staff and space – they are struggling as much as the city – but their staff and regular volunteers are incredible. They are an organization I want to support for a very long time.”

Additionally, the group had the unique experience of working with ABC-TV’s “Extreme Makeover: Home Edition” crew to rebuild a family’s home that was damaged by Katrina’s wrath. The episode aired in the Phoenix metropolitan area March 23.

“After two-and-a-half years, they still need so much help down there to bring the city back to its former glory,” says Stacey Freeman, AH senior program coordinator. “Hav-

ing volunteers like the American humanics students is invaluable to grass-roots nonprofit organizations such as Operation Nehemiah. In just one week, we were able to change the lives of so many people.”

Gizler and Trombetta, like Freeman, were moved by their experience in New Orleans.

“This experience was beyond incredible for me,” Gizler says. “It truly changed me in one short week. It has helped me see even more how I can help create great changes in a community.”

Although their week of service is complete, these future nonprofit leaders know their work has just begun. Plans are being made to return for more service in the Big Easy.

“Experiential learning is a hallmark of the student experience in our programs,” says Robert Ashcraft, director of ASU’s Lodestar Center and professor of nonprofit studies in the School of Community Resources and Development. “The students in our American humanics program do more than learn about issues in the classroom. They engage in learning experiences such as those made possible through their work with Operation Nehemiah. Our students gain as much from the experience as those they serve.”

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## ASU, Washington Center offer semester internships

By Steve Des Georges

ASU has hooked up with the prestigious Washington Center to offer qualified students an opportunity to participate in semester internships.

For the first time, students across ASU’s four campuses who have achieved second-semester sophomore standing and have a 2.75 grade point average or higher are eligible to participate. With first-time funding through ASU’s University Student Initiatives, ASU also is offering those accepted into the program an opportunity to apply for as much as \$5,000 in scholarship support.

“The Washington Center is the largest and most responsive internship program in D.C.,” says William Simmons, director of the master’s program in Social Justice and Human Rights in ASU’s New College of Interdisciplinary Arts and Sciences. “The internships programs offered greatly enhance our students’ academic programs and prime them for their careers.”

The program has wide appeal and includes opportunities in such areas as advocacy, service and arts; business and information technology; international affairs; law and criminal justice; mass communications; political leadership; and science and policy. Also available are congressional, Ford Motor Co. Global Scholars, governors and NAFTA-America Leaders internship programs.

“This is a great program that reaches across a wide range of subjects and majors,” says Phil Tompkins, director for strategic initiatives at ASU’s West

campus. “From a career standpoint, this is an exciting internship program that students will want to take advantage of, especially in light of the new scholarship opportunity.”

An additional scholarship is available for the summer, fall and spring semesters to qualified students with disabilities. The center’s Public Service Internship Program for Students with Disabilities provides a \$2,500 scholarship to help cover the costs of housing fees, and is available to qualified students across all majors.

The Washington Center for Internships and Academic Seminars is an independent, nonprofit organization serving hundreds of colleges and universities in the United States and other countries by providing selected students opportunities to work and learn in Washington, D.C., for academic credit.

Students selected by the program are exposed to community, national and international leaders through workshops, seminars, lectures, embassy visits and networking events held throughout the duration of each semester. Internships are available in Washington, D.C., and abroad.

Application deadlines for Washington Center internships are:

- Fall 2008 – early deadline is May 2, regular deadline is June 13.
- Spring 2009 – early deadline is May 26, regular deadline is Nov. 15.

For additional information about the Washington Center internship program, visit the Web site <http://twc.asu.edu>.

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## Students win recognition for book collections

By Natasha Karaczan

For the first time ever, more undergraduate students than graduate students participated in the University Libraries’ Student Book Collecting Contest, according to Sharon Kozlo, administrative assistant at University Libraries.

“We’ve always tried to reach out to the undergraduates, and it looks like we have succeeded,” said Kozlo as she announced the contest’s 2008 winners.

This year, four graduate students and five undergraduate students were given awards for their collections. The winners received their cash prizes at a reception April 10 at the University Club on ASU’s Tempe campus.

In addition to their cash prizes, the first-place winners in each category will be eligible to compete in the Fine Books & Collections’ Collegiate Book-Collecting Championship.

The winners are:

### Graduate students Best collection

- First place (\$600) – Linguistics major Victor Parra-Guinaldo, who entered his collection on

the evolution of the English language.

- Second place (\$300) – Sean J. Bliznik, a theater for youth major, for his collection tracing the history of musical theater on Broadway.

• Third place (\$200) – Anthropology major Cathryn M. Meegan, who entered her collection on early American political history and the lives of presidents.

• Honorable mention (\$100) – Sarah Dean, an American literature major, for her collection on African-American, Jewish-American and Native American literature.

### Undergraduate students Best collection

• First place (\$600) – Rhonda Singer, an education major with a minor in American Indian Studies, who entered her collection of books written about, or by, Native Americans and their cultures.

- Second place (\$300) – Creative writing major Jenny Brundage, who entered her collection of humorous young adult fiction.

• Third place (\$200) – Preston Gardner, an English literature major, who entered his collec-

tion of contemporary Latin-American writers.

- Honorable mention (\$100) – Psychology major Desha Ervin, who entered her collection of novels by Stephen King.

### Graduate students Best essay

• First place (\$250) – Graduate student Bliznik’s ability to trace the history of musical theater on Broadway won him top prize in his category.

### Undergraduate students Best essay

• First place (\$250) – Undergraduate Russian major Natalia Anker-Lagos took first place for her collection of books that focus on Tatar language politics and the language’s re-emergence since the breakup of the Soviet Union.

For more information about the students and their collections, visit the Web site [www.asu.edu/lib/library/bookcontest](http://www.asu.edu/lib/library/bookcontest) and click on “Winning Collections – 2008 Winners.”

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## 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.

Moving companies have seen business decline for more than a year – and, according to economists, it’s the uncertain economy to blame. “You are less likely to move when things are bad, because you would be moving from an area where you have some roots and where you have extended family and friends,” says Tracy Clark, an ASU economist. “That’s not the time people feel particularly adventuresome.” *Arizona Republic*, March 5.

A dispute between the judicial and legislative branches of government in Arizona over the selection of judges is confirmation that the system of checks and balances works, according to ASU law professor Ira Ellman. Ellman says such dissent is “an intentional tension created by our system of government. It is not a defect in our system; it’s an advantage. It creates this tension, and that purposefully is an antidote to tyranny. It’s part of the genius of the American political system.” *Arizona Republic*, March 17.

A promising new nanotechnology called programmable metallization cell (PMC) could produce drives that are a thousand times more efficient than flash drives at a tenth of the cost, says Michael Kozicki, director of the ASU Center for Applied Nanoionics. “A thumb drive using our memory could store a terabyte of information,” he says. “All the current limitations in portable electronic storage could go away. You could record video of every event in your life and store it.” *Washington Post*, March 19.

An analysis of 6-million-year-old bones suggests that the species was the earliest known hominin to walk. The thighbones closely resemble those from early hominids like the famous “Lucy.” “I had occasion to see the material about five years ago in Nairobi, and I was struck by the similarities – particularly between the femur and Lucy’s femur,” says Donald Johanson, Institute of Human Origins director and Lucy’s discoverer. “This suggests that you don’t immediately become a modern, efficient biped all at once. As is so often the case in the evolution of any mammal, it happens in stages, and it’s interesting to see the sequence of those events.” *National Geographic*, March 20.

The American Society of Composers, Authors and Publishers has filed a lawsuit against a sports bar in Surprise, Ariz., alleging that the bar’s owners played music without paying licensing fees for them. The lawsuit is a source of debate among restaurant and bar owners, according to ASU law professor Dennis Karjala. “Most think they are entitled to play music,” he says. “In theory, you can’t even turn on a boom box and walk down the street because that would be considered a public performance. I think ASCAP (the society) is just trying to educate people.” *Arizona Republic*, March 31.

Joan McGregor, an ASU bioethicist, says that organ donation networks are much more “closed” about their procedures than national blood banks. “The blood system went through some very public disasters, with kids with hemophilia getting HIV and hepatitis from blood,” McGregor says. “My sense is that there should be more national regulations of the screening and the informed consent processes.” *ABC News*, April 3.



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

## Meetings

### ■ Saturday, April 12

**2007-08 Annual Meeting**, 1-4 p.m., La Sala Auditorium, University Center Building (UCB), West campus. Parking will be free and available. Information: (480) 965-7668.

### ■ Tuesday, April 15

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

### ■ Monday, April 21

**Academic Senate**, 3:15-5 p.m., Education Lecture Hall (EDC) room 117. Information: (480) 965-2222.

### ■ Thursday, April 24

**Arizona Board of Regents**, 8 a.m.-5 p.m., University of Arizona. Continues 8 a.m.-5 p.m., April 25. Information: (480) 965-2222.

## Lectures

### ■ Monday, April 14

**"A Torch for Tomorrow: Civil Rights Protest Literature and the Historical Memory of Abolitionism,"** 1 p.m., Durham Language and Literature Building (LL) room 316. Speaker: Zoe Trodd, Tutorial Board, Committee on History and Literature, Harvard University. Respondent: Stanlie James, director, African and African-American Studies, ASU. Sponsored by the Antislavery Literature Project with the Department of English. Information: (480) 965-7611 or [joe.lockard@asu.edu](mailto:joe.lockard@asu.edu).

**Last Lecture Series**, 7:30 p.m., location and speaker TBA. Information: (480) 965-9600 or [www.asu.edu/partnerships](http://www.asu.edu/partnerships).

### ■ Tuesday, April 15

**"Novel High-throughput Biology Platforms for Neurological Drug Discovery,"** 11 a.m.-noon, Biodesign Institute Auditorium. Speaker: Donald Lo, director, Center for Drug Discovery, Duke University Medical Center. Sponsored by Biodesign Institute Center for Innovations in Medicine. Information: (480) 727-0370.

**"The Power of the Subconscious,"** noon-1 p.m., the Mercado, 502 E. Monroe St., Phoenix. Speaker: life coach Gabriella Cardona. R.S.V.P.: (602) 496-1000 or [asulectures@asu.edu](mailto:asulectures@asu.edu).

**"Is Political Secularism Possible in Islam?"** 3-4:30 p.m., LL room 165. Speaker: Souad T. Ali, assistant professor of Arabic and Middle East Studies, School of International Letters and Cultures. Part of the SILC Work-in-Progress Lecture Series. Information: (480) 965-6281.

**"Cross-cultural Development,"** 5 p.m., Museum of Anthropology, School of Human Evolution and Social Change (SHESC) room 240. Speaker: Michael Winkelman, associate professor, SHESC. The lecture is in conjunction with the museum's exhibit "Mosaic: Cultural Identity in America." Information: (480) 965-6224.

### ■ Wednesday, April 16

**"The Rise of Civil Rights in the Urban West,"** 2 p.m., Fulton Center sixth-floor board room. Speaker: Matthew Whitaker, associate professor of history, ASU. Sponsored by Emeritus College. Information: (480) 965-0002.

**"Costing the Gulf's Dead Zone: Controlling Agricultural Nutrients Affecting the Hypoxic Zone,"** 3-5 p.m., Global Institute of Sustainability (GIOS) room 481. Speaker: Catherine Kung, professor of economics, head of the Resources and Environmental Policy Division, Center for Agricultural and Rural Development, Iowa State University. Sponsored by GIOS. Refreshments served before talk. Information: (480) 965-9301.

**"Electron Transfer in Fluctuating Chemical and Biological Molecules,"** 4 p.m., Bateman Physical Sciences Center (PS) A-103. Speaker: David Beratan, Duke University, Department of Chemistry. Sponsored by Center for Biological Physics. Refreshments at 3:45 p.m. Information: (480) 965-4073.

**"Adoption, Immigration and Privatization: Transnational Transformations of the Family,"** 4-5:30 p.m., Social Sciences Building (SS) room 109. Speaker: Laura

Briggs, associate professor of women's studies, University of Arizona, and Tanner Humanities Center Fellow, University of Utah. Sponsored by Institute for Humanities Research, Department of English, Women's and Gender Studies, and Transborder Latina/o-Chicana/o Studies. Reception to follow lecture. Information: (480) 965-7660.

### ■ Thursday, April 17

**"Rwanda: Through African-American Eyes,"** noon-1 p.m., the Mercado, 502 E. Monroe St., Phoenix. Speaker: Marilyn Lacount, executive director, ASU Office of Youth Preparation. R.S.V.P.: (602) 496-1000 or [ASUlectures@asu.edu](mailto:ASUlectures@asu.edu).

**"D.C. v. Heller: The D.C. Gun Ban Litigation,"** 12:15-1:15 p.m., Armstrong Hall (LAW) room 105. Speaker: Robert Levy, senior fellow in constitutional studies and a member of the board of directors at the Cato Institute. Sponsored by ASU's student chapter of the Federalist Society. Information: (480) 620-4282.

**"Neutrinos: Nature's Stealthy Agents of Disorder and Creation,"** 4 p.m., PS F-101. Speaker: George Fuller, University of California-San Diego. Sponsored by Department of Physics. Information: (480) 965-9075.

**"The Initial Peopling of the Tibet Plateau and Mongolia,"** 7 p.m., Life Sciences Center (LS) A-191. Speaker: John Olsen, University of Arizona. Sponsored by the SHESC and the Central Arizona Society of the Archaeological Institute of America. Information: (623) 974-0297.

### ■ Friday, April 18

**"Hydrogen Embrittlement: Fundamentals, Experiments and Modeling,"** 2-3 p.m., Schwada Classroom Office Building (SCOB) room 252. Speaker: Petros Sofronis, University of Illinois-Urbana Champaign. Sponsored by Mechanical and Aerospace Engineering Department. Information: (480) 727-0476.

**"Is the Whole More than the Sum of the Parts? Late Archaic Hunter-Gatherer Complexity and History at Poverty Point, La.,"** 3:30-4:30 p.m., SHESC room 340. Speaker: T.R. Kidder, Department of Anthropology, Washington University-St. Louis. Sponsored by SHESC. Information: <http://shesc.asu.edu/colloquia> or (480) 965-7887.

**"Incorporating Policy Criteria in Special Analysis,"** 4-5 p.m., University Center room 822A, Downtown Phoenix campus. Speaker: Yushim Kim, School of Public Affairs. Sponsored by School of Public Affairs. Information: (602) 496-0409.

### ■ Monday, April 21

**"Human Rights Studies in the U.S.: 2008 and Beyond," Global Justice Lecture Series**, 11 a.m., Coor Hall room 5536. Speaker: J. Paul Martin, director of human rights studies, Barnard College; co-founder and former executive director, Center for the Study of Human Rights, Columbia University. Sponsored by the School of Justice and Social Inquiry. Co-sponsored by the School of Global Studies, SHESC, Department of History, Living Wage Coalition, and Justice and Inquiry under Law Society. Information: (480) 965-7631.

**"Indirect Management of Invasive Species through Bio-controls: A Bioeconomic Model of Salmon and Alewife in Lake Michigan,"** 12:30 p.m., LS E-250. Speaker: Eli Fenichel, Quantitative Fisheries Center, Michigan State University. Sponsored by School of Life Sciences. Information: (480) 965-5365.

**"Nature, Culture, and History U.S.-Mexico Sky Islands Borderland,"** 2 p.m., SS room 109. Speakers: Paul Hirt, Department of History, and Daniel Arreola, School of Geographical Sciences. Sponsored by Institute for Humanities Research. Information: (480) 965-3000.

### ■ Tuesday, April 22

**"Gender, Sexuality, Race and the Forging of an American Identity,"** 5 p.m., Museum of Anthropology, SHESC room 240. Speaker: Karen Leong, associate professor, women and gender studies, and director, Asian Pacific-American studies. The lecture is in conjunction with the museum's exhibit "Mosaic: Cultural Identity in America." Information: (480) 965-6224.

**"Renewable Energy: Facts and Fallacies,"** 5:30 p.m., Mercado C-368, Downtown Phoenix campus. In celebration of Earth Day, lectures by Slobodan Petrovic, associate professor, ASU College of Technology and Innovation, and James Subach, professor of practice, ASU College of Technology and Innovation. Panel discussion, titled "Renewable Business: Real Opportunities," follows lectures. Sponsored by Department of Electronic Systems, Polytechnic campus. Information: (480) 727-1514.

**"Murder and Mayhem: The Strange Saga of Winnie Ruth Judd,"** 6:30 p.m., LAW room 105. Speaker: Jana Bommersbach, author of the book "The Trunk Murderess." The event includes photographs from the Judd trial recently discovered at the Arizona Historical Foundation (AHF). Sponsored by AHF. Tickets: \$20 (\$10 students). Information: (480) 965-3283.

### ■ Wednesday, April 23

**"The Key to Reaching Your Goals,"** noon-1 p.m., the Mercado, 502 E. Monroe St., Phoenix. Speaker: life coach Gabriella Cardona. R.S.V.P.: (602) 496-1000 or [ASUlectures@asu.edu](mailto:ASUlectures@asu.edu).

**"Crystallography Without Crystals: Exploiting the Symmetry of Random Orientations,"** 4 p.m., PS A-103. Speaker: Dilano Saldin, University of Wisconsin-Milwaukee. Sponsored by Center for Biological Physics. Refreshments at 3:45 p.m. Information: (480) 965-4073.

**Last Lecture Series**, 7:30 p.m., location and speaker TBA. Information: (480) 965-9600 or [www.asu.edu/partnerships](http://www.asu.edu/partnerships).

### ■ Thursday, April 24

**"Functional Proteomics for Biomarker and Target Discovery,"** 11 a.m.-noon, Biodesign Institute Auditorium. Speaker: Joshua LaBaer, founder and director, Institute of Proteomics, Harvard Medical School. Sponsored by Biodesign Institute Center for Innovations in Medicine. Information: (480) 727-0370.

### ■ Friday, April 25

**Biodesign lecture**, 1-2 p.m., Biodesign Institute Auditorium. Speaker: Matyas Sandor, professor, Department of Pathology and Laboratory Medicine, University of Wisconsin. Sponsored by Biodesign Institute Center for Infectious Diseases and Vaccinology. Information: (480) 727-0370.

## Conferences

### ■ Thursday, April 17

**Transborder Studies Seminar**, 8 a.m.-4 p.m., Coor Hall room 5536. A seminar to examine the anticipated changes in security, prosperity, cross-border cooperation, diversity and other factors North American under a new president, Congress and administration. Sponsored by the North American Center for Transborder Studies (NACTS) at ASU, the Centre for Research on North America at the National University of Mexico, and the Robards Center at York University in Canada. Information: (480) 965-1846 or [asu.edu/cas/nacts](http://asu.edu/cas/nacts).

## Miscellaneous

### ■ Friday, April 11

**Arizona Robotics Challenge 2008**, 2-5 p.m., Brickyard Artisan Court (BYAC) room 221. Teams of computer science and engineering students from ASU and University of Arizona have designed and built "security robots" to compete in this test of computer science and engineering skills. Information: (480) 965-2769.

### ■ Sunday, April 13

**Nineteenth Annual Arizona Japanese Speech Contest**, 12:30-5:30 p.m., Japanese Friendship Garden, 1125 N. Third Ave., Phoenix. Competition among Japanese-language students from high schools and colleges across the state, and cultural demonstrations. Information: (480) 965-6383.

### ■ Monday, April 14

**CLTE Collaboratory**, 9 a.m.-4 p.m., Discovery Hall room 212 (formerly AG). A drop-in service to address teaching issues facing instructors. Sponsored by Center for Learning and Teaching Excellence. Continues 9 a.m.-4 p.m. through Friday. Information: <http://clte.asu.edu>.

**ASU Parents Association Professor of the Year Celebration**, 5-7 p.m., Old Main Carson Ballroom. Sponsored by TIAA-CREF. Information: (480) 965-0830.

### ■ Tuesday, April 15

**Blood Drive**, 10:30 a.m.-3:30 p.m., north side of Schwada Classroom Office Building (SCOB). Information: (480) 965-0456. Also: April 22, 23.

**Adobe Presenter (Macromedia Breeze)**, 3-5 p.m., Technology Center (TECH) room 165, Polytechnic campus. Sponsored by the Center for Learning and Teaching Excellence. Information and Registration: <http://clte.asu.edu>.

**Blackboard Tests and Surveys**, 5:30-7:30 p.m., TECH room 165, Polytechnic campus. Sponsored by the Center for Learning and Teaching Excellence. Information and Registration: <http://clte.asu.edu>

### ■ Wednesday, April 16

**Informational Meeting: How to Become a Foster Parent, or How to Help Foster Parents**, noon-1 p.m. West Hall (WHALL) room 120. Sponsored by ASU School of Social Work, Child Welfare Training Institute and Arizona Adoption & Foster Care. Information: (480) 777-5815, ext. 292.

**"STAR in the Employment Interview,"** 5-6:30 p.m., Student Services Building (SSV) room 329. Sponsored by Career Services. Information: (480) 965-2350.

**PAB open microphone night**, 8-9:30 p.m., Art Café, Memorial Union (MU) in Einsteins. Sponsored by Programming and Activities Board. Open microphone sign-up begins at 7:30 p.m.

### ■ Thursday, April 17

**"Pulling It All Together-Making Coursework Clear, Coherent, Connected and Consequential,"** 1:30-3:30 p.m., Fulton Center, sixth-floor board room. Speaker: Tom Angelo, professor of higher education and director of the University

Teaching Development Centre, Victoria University, Wellington, New Zealand. Angelo is the author of many books and articles on classroom assessment techniques. Sponsored by the Center for Learning and Teaching Excellence. Registration required: <http://clte.asu.edu>.

**Reading and book-signing by David Berman**, 5-6:30 p.m., Luhrs Reading Room, fourth floor, Hayden Library. Berman, professor emeritus of political science, will sign copies of his new monograph, "Radicalism in the Mountain West, 1890-1920: Socialists, Populists, Miners, and Wobblies." Information: (480) 965-5889.

#### ■ Friday, April 18

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

**Technology Training Program Microsoft Access 2003 Level 1**, 8:30 a.m.-4:30 p.m., Classroom Laboratory/Computer Classroom Building (CLCC) room 204, West campus. Continues April 25. Sponsored by the Office of Human Resources. Information and registration: [www.asu.edu/hr/training/tech](http://www.asu.edu/hr/training/tech).

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

**16th annual ASU Spring Competition Pow Wow**, 5:30 p.m., ASU Band Practice field, Sixth Street and Rural Road. Admission: \$8 (\$5 students; 3-day pass, \$15; under 6, 60 and older free). Continues through April 20. Information: (480) 965-5224 or <http://powwow.asu.edu>. NOTE: This is a smoke-free event.

**Relay For Life**, 8 p.m.-8 a.m., Sun Angel Stadium. Information: Jill Michalak, American Cancer Society, (602) 952-7504 or Jill.Michalak@cancer.org. <http://events.cancer.org/rflasuaz>.

#### ■ Saturday, April 19

**Lecture and book-signing by Terri Fields**, 11 a.m.-1 p.m., Deer Valley Rock Art Center, 3711 E. Deer Valley Road, Phoenix. Fields is the author of "Danger in the Desert," ONE-BOOKAZ winner for children. Information: (623) 582-8007.

#### ■ Monday, April 21

**CLTE Collaboratory**, 9 a.m.-4 p.m., Discovery Hall room 212. A drop-in service to address teaching issues facing instructors. Sponsored by Center for Learning and Teaching Excellence. Continues 9 a.m.-4 p.m. through Friday. Information: <http://clte.asu.edu>.

**"Sell Your Skills: Résumés and Cover Letters That Work for You,"** 1:30-3 p.m., SSV room 329. Sponsored by Career Services. Information: (480) 965-2350.

#### ■ Tuesday, April 22

**Emeritus College Annual Membership Meeting**, 2-3 p.m., MU Fiesta Room (080). Information: (480) 965-0002.

#### ■ Wednesday, April 23

**Exhibits@Noon**, noon-1 p.m., Center for Meteorite Studies Museum. Bateman Physical Sciences Center (PS) C-139. Sponsored by the Museums, Galleries & Collections Committee. Information: [www.asu.edu/museums](http://www.asu.edu/museums).

**Jin Jo Saxophone Trio**, 8-9:30 p.m., Art Café, MU in Einsteins. Sponsored by Programming and Activities Board.

#### ■ Thursday, April 24

**Adobe Photoshop I**, 3-5 p.m., TECH room 183, Polytechnic campus. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

**Assignment Submission**, 5:30-7:30 p.m., TECH room 183, Polytechnic campus. Sponsored by the Center for Learning and Teaching Excellence. Information and registration: <http://clte.asu.edu>.

#### ■ Friday, April 25

**Astronomy Open Houses**, 8-10 p.m., roof of the PS H Wing (fifth floor). Come anytime during the evening and take a peek through the telescopes, see a poster display, take an astronomy quiz and see a slide show. Information: (480) 965-7652 or <http://eagle.la.asu.edu/openhouse>.

## Entertainment

\*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, April 11

**"Image: Sinuous and Swift,"** 7:30 p.m., Dance Studio Theatre, PE East 132. Presented by Herberger College of the Arts, this event combines dance and the work of gifted writers and visual artists. Other performances: 7:30 p.m., April 12; 2 p.m., April 13.\*

#### ■ Saturday, April 12

**Donna DeLory**, 7:30 p.m., ASU Kerr Cultural Center, Scottsdale. DeLory takes the listener on an emotional musical journey about finding one's place in this world.\*\*

**12th Annual ASU Art Museum Short Film and Video Festival**, 8 p.m., Nelson Fine Arts Plaza.

#### ■ Tuesday, April 15

**"Sweeney Todd,"** 7:30 p.m., ASU Gammage. Sweeney Todd is a legendary demon barber who is hell-bent on revenge. He takes up with his enterprising neighbor in a delicious plot to slice their way through London's upper crust in search of justice. An extra bonus: the show stars Judy Kaye, an ASU alumna! Other performances: 7:30 p.m. April 16-18; 2 and 8:30 p.m. April 19; 2 and 7 p.m. April 20.\*\*

#### ■ Wednesday, April 16

**"The Crazies,"** 5:15-8:15 p.m., Life Sciences Center (LS) E-104. Concludes the Bioethics Film Series sponsored by the Center for Biology and Society. Information: (480) 965-8927.

#### ■ Thursday, April 17

**Jazz Repertory Band & Combos**, 7:30 p.m., Katzin Concert Hall.

#### ■ Friday, April 18

**"Urinetown,"** 7:30 p.m., Pauyl V. Galvin Playhouse. "Urinetown" mocks and celebrates the tension between corporate greed, water conservation and an impassioned revolution sparked by pay-as-you-go toilets. A collaboration between the ASU Herberger College School of Music Lyric Opera Theatre program and the ASU Herberger College School of Theatre and Film. Other performances: 2 p.m. and 7:30 p.m., April 26; 2 p.m., April 19-20, 27.\*

#### ■ Saturday, April 19

**Musica Nova**, 8 p.m., ASU Kerr Cultural Center, Scottsdale. Musica Nova is a Baroque orchestra; the concert is titled "Playing The Standards."\*\*

#### ■ Sunday, April 20

**"How Can I Keep From Singing?"** 3 p.m., ASU Kerr Cultural Center, Scottsdale. Performing: the Choralaires of Phoenix.\*\*

#### ■ Monday, April 21

**"The Music of Dizzy Gillespie,"** 7:30 p.m., Katzin Concert Hall.

#### ■ Tuesday, April 22

**"Steel Toes,"** 7 p.m. Coor Hall room L1-10. A drama starring David Stratairn as a liberal, Jewish, court-appointed attorney representing a neo-Nazi skinhead charged with murder. Part of "Developing a Moral Compass," a film festival sponsored by Hillel. Information: (480) 967-7563.

#### ■ Friday, April 25

**Verdi's "Requiem"** 7:30 p.m., ASU Gammage. Featuring the ASU Symphony Orchestra and combined choirs.

## Exhibitions

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

Through April 20, "Around the World and Back." Through this exhibit of watercolors, pencil, ink, pastels, acrylics and oils, members of the Oakwood Artists' League reflect their enjoyment of cultures around the world and their experiences growing up and traveling in America. The artists, who are based in Sun Lakes, are united by their love of color, light and texture that the Valley of the Sun inspires.

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

Through April 18, Lauren McAdams, master's degree in fine arts thesis exhibition in metals. Opening reception: 7-9 p.m., April 14.

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

Through April 18, "PRINTSTRAVAGANZA" An annual members' juried exhibition of the Printmaking Students Association.

## Dissertations

**Courtney Sherman**, DMA, Mus., 8:30 a.m., April 7, MUSIC E-243.

**Sydella Blatch**, PhD, Bio., 8:00 a.m., April 14, LSE 04-B.

**Chiara Dal Martello**, PhD, Engl., 8:30 a.m., April 14, LL 316.

**Glen Fogerty**, PhD, Ed. Ldrship and Pol. Std., 9:00 a.m., April 14, ED 108-B.

**Daniel Dodd**, PhD, Phy. Act. Nutr. and Well., 10:00 a.m., April 14, EAW 102.

**Meghna Sabharwal**, PhD, Pub. Adm., 10:00 a.m., April 14, UCENT 480-A.

**Jeffry Halverson**, PhD, Rel. Stu., 10:00 a.m., April 14, ECA 332.

**Hung Nguyen**, PhD, Comp. Sci., 10:00 a.m., April 14, BYENG 455.

**Bradley Wipfli**, PhD, Ex. Sci., 10:30 a.m., April 14, PEBW 126.

**Julia Steinberg**, PhD, Psy., 11:00 a.m., April 14, PSYN 334.

**Naomi Schoenfeld**, PhD, Curr. and Instr., Noon, April 14, ED 316.

**Sarah Gershon**, PhD, Pol. Sci., 9:00 a.m., April 15, COOR 6761.

**Rene Castaneda**, PhD, Curr. and Instr., 9:00 a.m., April 15, EDB 311-B.

**Henri Naccache**, PhD, Comp. Sci., 9:00 a.m., April 15, BYENG 420.

**Kari Jordan-Diller**, PhD, Engl., 9:30 a.m., April 15, LL 316.

**Kristen Ogilvie**, PhD, Anth., 10:00 a.m., April 15, ANTH 254.

**Stephanie Ayers**, PhD, Soc., 10:30 a.m., April 15, COWDN 105.

**Michael Jung**, PhD, Engl., 11:00 a.m., April 15, CDS 143.

**Elizabeth Richard**, PhD, Comm., 11:00 a.m., April 15, STAU 417-A.

**April Strom**, PhD, Curr. and Instr., Noon, April 15, UCENT 201.

**Jagadison Aier**, PhD, Bus. Adm., 1:00 p.m., April 15, BA 257.

**Corey Huck**, PhD, Phy. Act. Nutr. and Well., 9:00 a.m., April 16, EAW 102.

**Ozgun Bekki**, PhD, Ind. Engr., 9:30 a.m., April 16, GWC 510.

**Hanmei Chen**, PhD, Bus. Adm., 10:00 a.m., April 16, BA 258.

**Mary Hancock-Niemic**, PhD, Ed. Tech., 10:00 a.m., April 16, EDB 304.

**Chantal Irvin**, EdD, Ed. Adm. and Supv., 10:00 a.m., April 16, ED 144-D.

**Mark Oesterle**, EdD, Ed. Ldrship and Pol. Std., 10:00 a.m., April 16, EDB 129.

**Nanci Smith**, PhD, Curr. and Instr., 10:00 a.m., April 16, CRESMET 201.

**Myrta Rodriguez**, PhD, Ind. Engr., 1:00 p.m., April 16, GWC 510.

**Heather Smith**, PhD, Anth., 1:00 p.m., April 16, SS 215.

**Karen Eger**, EdD, Ed. Adm. and Supv., 2:00 p.m., April 16, ED 108.

**Rajni Nair**, PhD, Fam. and Hum. Dev., 2:00 p.m., April 16, PSYN 205.

**Gregory Anthou**, PhD, Span., 3:00 p.m., April 16, LL 274.

**Matthew Griswold**, EdD, High. and Postsec. Ed., 3:30 p.m., April 16, EDB 104-B.

**Joshua Hihath**, PhD, Elec. Engr., 3:30 p.m., April 16, ISTB1 227.

**Jeong-Hwa Park**, DMA, Mus., 3:40 p.m., April 16, MUSIC E-243.

**Clarice Deal**, PhD, Engl., 8:00 a.m., April 17, LL 316.

**Zhan Gao**, PhD, Bus. Adm., 9:30 a.m., April 17, BA 258.

**Matthew Marinella**, PhD, Elec. Engr., 10:00 a.m., April 17, ERC 193.

**Jennifer Jacobson**, PhD, Soc., 10:30 a.m., April 17, SS 135.

**Thuy Dao Jensen**, PhD, Curr. and Instr., 11:00 a.m., April 17, ED 312.

**Dawn Thacker**, PhD, Engl., 11:00 a.m., April 17, LL 316.

**Vicki Sealey**, PhD, Math., Noon, April 17, UCENT 201.

**Timothy Brusseau**, PhD, Curr. and Instr., 1:00 p.m., April 17, SUTON 130.

**Durai Ramaswamy**, PhD, Mat. Sci. and Engr., 1:30 p.m., April 17, ECG 303.

**Constance Kostelac**, PhD, Jus. Stu., 2:00 p.m., April 17, WILSN 255.

**Remy Wahnoun**, PhD, Bio. Engr., 2:30 p.m., April 17, ECB 160.

**Oona Paredes**, PhD, Anth., 3:00 p.m., April 17, ANTH 254.

**James Dankert**, PhD, Elec. Engr., 8:00 a.m., April 18, GWC 353.

**Janet Slowman Chee**, EdD, Ed. Adm. and Supv., 8:00 a.m., April 18, ED 108-B.

**Christopher Clifford**, PhD, Bus. Adm., 9:30 a.m., April 18, BAC 445.

**Joseph Kim**, PhD, Phil., 10:00 a.m., April 18, COOR 3323.

**Karen White**, EdD., Ed. Adm. and Supv., 10:00 a.m., April 18, ED 144-D.

**Kristi Cole**, PhD, Engl., 11:00 a.m., April 18, SS 236.

**Mary Formanack**, PhD, Mol. and Cell. Bio., 11:00 a.m., April 18, COOR L1-84.

**Jacquelyne Wauneka**, EdD, Ed. Adm. and Supv., Noon, April 18, ED 108-B.

**Homer Ferguson**, DMA, Mus., 12:30 p.m., April 18, MUSIC E-179.

**Dongping Huang**, PhD, Comp. Sci., 12:30 p.m., April 18, BYENG 210.

**Elhadj Bah**, PhD, Econ., 2:00 p.m., April 18, BAC 664.

**Wynora Bekis**, EdD, Ed. Adm. and Supv., 2:00 p.m., April 18, ED 108-B.

**Justin York**, PhD, Mol. and Cell. Bio., 2:00 p.m., April 18, LSA 109.

**Rhett Martineau**, PhD, Bio. Engr., 2:30 p.m., April 18, ECC 336.

**John Timm**, PhD, Comp. Sci., 2:30 p.m., April 18, BYENG 420.

**Lei Fang**, PhD, Econ., 3:00 p.m., April 18, BAC 664.

**Eric Johnson**, PhD, Anth., 3:00 p.m., April 18, ANTH 254.

**Cara McDaniel**, PhD, Econ., 4:00 p.m., April 18, BAC 664.

## 'Healing clays' hold promise of combating diseases, 'superbug' infections

(Continued from page 1)

Haydel and Lynda Williams are putting the clays to the test, scientifically.

"Clays are little chemical drug stores in a packet," says study co-leader Williams, a geochemist in the School of Earth and Space Exploration. "They contain literally hundreds of elements. Some of these compounds are beneficial, but others aren't. Our goal is to find out what nature is doing and see if we can find a better way to kill harmful bacteria."

In their latest study, funded by the National Institutes of Health, Williams, Haydel and their colleagues collected more than 20 different clay samples from around the world to investigate their antibacterial activities.

Study co-leader Haydel, a microbiologist in ASU's School of Life Sciences and a researcher in ASU's Biodesign Institute, tested each of the clays against bacteria known to cause human diseases. These bacteria include MRSA, *Mycobacterium ulcerans* (a microbe related to the tubercu-

losis bacterium that causes a flesh-eating disease known as Buruli ulcer), as well as *E. coli* and salmonella (which cause food poisoning). The researchers identified at least two clays from the United States that kill or significantly reduce the growth of these bacteria, in addition to the one French green clay that launched their research in 2005. The antibacterial effect of the French clay was documented this year in the *Journal of Antimicrobial Chemotherapy* with co-author Christine Remenih.

Identifying what specific compounds make these clays effective antibacterial agents presents a challenge, researchers say, but they credit their combined perspectives – coming as they do from two very different scientific disciplines – for their successes.

Haydel and Williams also note that tools such as electron and ion microscopy might also reveal how these antibacterial clays can interact with the cell membranes or cellular physiology of the bacteria to kill.

Williams and Haydel continue to test new clay samples from around the world to determine their germ-fighting

potential. They hope that the more promising clays will be developed into a skin ointment or pill to fight a variety of bacterial infections, or possibly as an agricultural wash to prevent food poisoning.

Several companies have expressed interest in forming partnerships to develop the clays as antimicrobial agents, the scientists say.

But ordinary mud can contain dangerous bacteria, as well as toxic minerals such as arsenic and mercury. Until healing clays are developed that are scientifically proven, which could take several years, Haydel and Williams say that hand-washing and other proper hygiene techniques could be the best bet for keeping MRSA and other harmful bacteria at bay.

To hear Williams and Haydel discuss their research, go to ASU School of Life Sciences podcast (No. 2), Science Studio: [sols.asu.edu/podcasts/podcast2007.php](http://sols.asu.edu/podcasts/podcast2007.php)

*Coulombe, with the School of Life Sciences, can be reached at (480) 727-8934 or [margaret.coulombe@asu.edu](mailto:margaret.coulombe@asu.edu).*

## ASU's partnership with Phoenix earns award from Kellogg Foundation

(Continued from page 1)

lic universities that have redesigned their learning, discovery and engagement functions to become sympathetically and productively involved with their communities. The winner of the Magrath award will be announced during the National Association of State Universities and Land-Grant Colleges annual meeting from Nov. 9-11 in Chicago.

ASU's Downtown Phoenix campus is one of five educational institutions throughout the United States to be granted outreach scholarships. Other winners are Ohio State University, Pennsylvania State University, Tennessee State

University and the University of Kentucky College of Dentistry.

"This honor clearly demonstrates the interconnected relationship between Phoenix and the ASU Downtown Phoenix campus," Crow says. "This partnership has brought together two dynamic partners working for the betterment of the city and the welfare of its citizens."

Gordon concurs.

"I am so proud of our innovative partnership with ASU," he says. "Our downtown campus has brought new vitality to the entire city, and provides new access to higher education for those who live and work downtown – and, in fact, to

all our residents. Together, we are creating innovative programs that are already influencing our entire community and beyond. Not too bad for a campus that, just five years ago, was nothing more than a sketch on a paper napkin."

A few examples of the many outreach and engagement efforts emanating from ASU's Downtown Phoenix campus include:

- College of Nursing & Healthcare Innovation students tending to basic health care needs of the homeless at Central Arizona Shelter Services.

- Working to break the cycle in partnership with Grace Lutheran Church by providing health care and family planning services to

low-income patients in downtown Phoenix who frequently lack health insurance.

- Bringing science and math resources to the Phoenix Union High School District in collaboration with ASU's School of Letters and Sciences downtown.

- Attracting the Alliance for Innovation to the campus through efforts by the School of Public Affairs. The alliance is an organization of more than 400 U.S. cities working to bring innovative practices to local governments.

*Newberg, with Public Affairs at the Downtown Phoenix campus, can be reached at (602) 496-1005 or [julie.newberg@asu.edu](mailto:julie.newberg@asu.edu).*

## In BRIEF

### Chicano/a group unveils new board members

The ASU Chicano/a Latino/a Faculty and Staff Association (CLFSA) announced this week their new executive board members for the 2008-2009 academic year.

The new board members are Gabriel Escontrias Jr., president; Paul Espinosa, president-elect; Vera A. Lopez, faculty liaison; Kevin J. Salcido, staff liaison; Roxann Y. Gonzales, secretary; Connie Biebrich, treasurer; Edward J. Escobar, historian; Steve E. Perez, communication chair; and Antonia O. Franco, development chair.

"I am honored to transition into the role of president of CLFSA," Escontrias says. "For the past 38 years, CLFSA, its members and leaders have committed themselves to advancing the New American University by being committed to excellence, access and impact in all that we do. I am very fortunate that our members have again elected colleagues of high caliber to lead the association. I look forward to working with the executive board to sustain the great successes that our association has had advocating on behalf of our faculty, staff and students to foster a strong ASU community."

CLFSA is an organization dedicated to issues of importance to the Chicano/Latino community at ASU and in Arizona. CLFSA provides scholarships for students and presents awards to recognize the achievements of Chicano/Latino staff, students and faculty. The group holds monthly meetings, which typically feature a speaker or speakers on topics of interest to the membership.

CLFSA recently sponsored several projects in support of Chicano/Latino families and events such as a forum on immigration issues.

For more information, visit the Web site [www.asu.edu/clfsa](http://www.asu.edu/clfsa).

### Bidding continues for SpringArtFest works

Bidding will continue for seven photographs, paintings and other works of art, plus a certificate for a custom-made scrapbook, at the ASU Bookstore through April 18.

The auction was part of SpringArtFest sponsored by the Devils' Workshop.

For more information, contact Erica Velasco at (480) 965-1156, or Mary-Beth Buesgen at (480) 965-6928.

### Mildcats schedules spring cat food drive

Mildcats at ASU will have its spring cat food drive April 14-18, with two drop-off locations on the Tempe campus and one at the Polytechnic campus.

Bags of food can be left at the Sun Devil Involvement Center (temporary building east of the Memorial Union) and the University Services Building reception desk. At the Polytechnic campus, the location is Health Sciences Center room 1445.



FELIPE RUIZ-ACOSTA PHOTO

## Voice of experience

National Public Radio senior correspondent Juan Williams discusses contemporary civil rights April 4 at ASU's Downtown Phoenix campus. Williams, the former host of NPR's "Talk of the Nation" and a Fox News commentator, was joined at the forum by Raul Yzaguirre, ASU executive director of the Center for Community Development and Civil Rights, and ASU history professor Matthew Whitaker. The ongoing lecture series brings nationally recognized policy-makers, analysts and leaders to the Valley to discuss contemporary civil rights in an open dialogue.

All types of dry cat food will be accepted, though the cats' favorites are Meow Mix, Cat Chow, and Kit and Caboodle.

Everyone who donates cat food will be entered into a drawing for prizes.

Mildcats at ASU maintains a "TNR" (trap, neuter, release)

program on the Tempe and Polytechnic campuses, finding homes for cats and kittens that can be placed, and returning the others to campus to live out their lives.

According to the Feral Cat Coalition (FCC) of San Diego, feral cats are the "wild" offspring of domestic cats. They primarily are the result of pet owners' abandonment or failure to spay and neuter their animals, allowing them to breed uncontrolled.

FCC notes that "a pair of breeding cats, which can have two or more litters per year, can exponentially produce 420,000 offspring over a seven-year period."

For more information about Mildcats, go to [www.mildcatsasu.org](http://www.mildcatsasu.org).

### U Devils sponsor on-campus, baseball events

U Devils, the ASU Alumni Association group for members who are employees of ASU, will hold events at the Downtown Phoenix, West and Polytechnic campuses during the week of April 14, and will offer members complimentary tickets to ASU's April 20 baseball game versus Oregon State.

The Downtown Phoenix campus event will be April 14; the West campus event will take place April 17; and the Polytechnic event will be April 21. The events will take place from 5 p.m. to 6 p.m. at each campus.

Employee-members will receive an invitation to the events, and interested non-members can join the association during the event.

The April 20 baseball game pits the ASU Sun Devils against the College World Series defending champion, Oregon State University. Complimentary tickets to the game will be available on a first-come, first-served basis.

These U Devils activities are open to all employees who are Alumni Association members, regardless of their ASU alumni status. To join at the special employee rate (\$25 annual/\$300 life) before the event, visit the Web site [www.asu.edu/alumni/membership/join.shtml](http://www.asu.edu/alumni/membership/join.shtml).

### Eight offers more HDTV information

Here's a question some television viewers might have as the high-definition signal conversion date draws nearer: "If I use an antenna to receive local signals, will I need to buy a new antenna for the digital transition?"

Viewers should test their existing antennas on a digital converter box (or a new digital TV set) before buying a new one. According to officials at Eight/KAET-TV, there have been reports that a paper clip, as well as a twist tie from a bread sack, have worked to bring in beautiful digital pictures. The Eight officials add, however that these methods may not work for all homes.

The bottom line is this: Test your current antenna. It may work very well.

To learn more about the digital conversion, visit the Web site [www.azpbs.org/digital](http://www.azpbs.org/digital).

## Web site visit clears up mystery behind calendar announcement

By Judith Smith

The e-mail was routine: "Can you put this lecture in the *Insight* calendar?"

Of course, the answer was yes. But a closer examination of the announcement brought a troubling question: Why is a lecture of a math seminar being presented by faculty members from the Department of Religious Studies?

A quick e-mail back to Tom Taylor, associate professor of mathematics and statistics: Are you sure this information is correct? Taylor

responded, "As hard as it may be to believe this, yes."

A visit to Taylor's Web site proved even more mysterious. Steve Doig, who holds the Knight Chair in Journalism at the Walter Cronkite School of Journalism and Mass Communication, had recently spoken for the Math Department on "Journalism versus Reality: Why News Reports Are Never True."

OK, so what's going on here?

For the past eight years, Taylor has been

planning seminars on "topics that surround the intersection of mathematics with neural physiology; psychophysics; biological and computer vision; animal, machine and social information-processing and communication; and social complexity."

"The intent of this seminar series is to maintain a rather wide interdisciplinary focus and to encourage the most open exchange of ideas," Taylor says. "Our purpose is to strike as many sparks in as many directions as possible."

In other words, Taylor invites people to explore the intersection of applied mathematics and other disciplines, such as sociology, biology – and even journalism.

"Mathematics expertise is not required to participate or present," Taylor says. "That's my job."

To see the complete seminar schedule, visit the Web site <http://math.asu.edu/~tom/cognition/math+cogshed.html>.

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

## Goldwater Scholarships honor outstanding research

(Continued from page 1)

The competitive \$7,500 awards have been won by Bryan Rolfe, a math and chemical engineering double major; Lara Cardy, majoring in biochemistry with a minor in speech and hearing; and Charlene Bashore, biochemistry major.

Rolfe, 20, hopes to mitigate the negative effects of common chemical processes on the environment, and to conserve and replenish the natural environment. He's examining metal pollutants in the W.M. Keck Laboratory for Environmental Biogeochemistry.

Rolfe's intense curiosity and sense of fun also have provided frequent comic relief in the lab, according to Laura Wasylenki, assistant research scientist in the School of Earth and Space Exploration.

"Once Bryan got curious about whether a plastic centrifuge tube would blow off its lid if he closed some liquid nitrogen inside and waited for it to warm up," Wasylenki says. "The whole tube became brittle and exploded into a million tiny bits of plastic. The huge 'boom' brought people running from several rooms."

"Another time, Bryan and another colleague and I went outside on a hot July day to see how long it takes to cook an egg on the sidewalk. Bryan measured the temperature of the sidewalk as 168 degrees F. The white of the egg took four minutes to cook – but while we were waiting for the yolk to cook, a campus van ran over it."

"Bryan's unstoppable curiosity about all kinds of things has led him to develop an amazingly broad knowledge of science and engineering, almost all self-taught. He is an absolute pleasure to have around, and I am deeply impressed by his knack for all things scientific and engineering-related, as well as his initiative, ingenuity and integrity."

Cardy, 20, was an intern at the Translational Genomics Research Institute for two years, looking for genetic markers that will allow early diagnosis and treatment of autism. She is working on cochlear implant simulations for the hearing impaired, in the lab of Michael Dorman, a professor of speech and hearing science.

She has long had a passion for working with people with developmental disabilities, after working at a camp for severely disabled children. After coming to ASU, she discovered an affinity for research and has decided to pursue the neurological underpinnings of autism spectrum disorders. But she continues to volunteer with disabled students outside of class.

"This combination of interests, from laboratory to patient contact, is what we look for in a budding researcher," Dorman says. "The wonderful thing about Lara is that she has the research skills to answer the hard questions, and the interest in people to make the work important."

Bashore, 21, is working on rapid DNA sequencing to allow early diagnosis and treatment of cancer and other diseases. She's in a lab group with chemistry professor Peter Williams, as part of a push by the National Human Genome Research Institute to come up with a fast, cheap method for DNA sequencing. She spends 10 to 15 hours a week in the lab, and also is community service director for Rotaract Club of ASU and All Saints Catholic Newman Center.

"Charlene is an extremely bright, unbelievably energetic young lady," Williams says. "Her course load and volunteer work and undergraduate research amount to an amazing load, and her time-management skills must be just exceptional. She has performed extremely well in the laboratory, and is already working at the level of an advanced graduate student."

All three Goldwater Scholars are students in Barrett, the Honors College, as well as the College of Liberal Arts and Sciences. Rolfe's double major also places him in the Ira A. Fulton School of Engineering. All three plan to earn doctorates, continuing their research.

A fourth student, Andrew Gamalski, majoring in physics and math, received honorable mention.

ASU students have won 39 Goldwater Scholarships over the past 15 years, among the highest in the nation.

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## Udall winners focus on environment, health care

(Continued from page 1)

6 years old. Her inspiration is the strong role model provided by her mother – and the suffering she has seen among other tribal members with diabetes and other illnesses.

Garth Baughman, a junior in economics and math, lived the suburbs of Washington, D.C., where he loved the outdoors but saw it as an exotic and somewhat distant distraction. Now he is a leading environmental activist who wants to protect the environment by bringing economic arguments to the cause of environmental preservation.

They are among 80 students to win \$5,000 Udall Scholarships, which are awarded to sophomores and juniors who plan careers in environmental public policy, tribal policy and health care. In the past 12 years, 22 ASU students have won Udalls.

Lee says she always has felt a calling to the health care field, since her early visits to hospitals. She has volunteered and worked for two Indian Health Service hospitals, where she noticed that elderly patients responded better when she spoke their language and used familiar body language. She hopes to work as a nurse for several years before becoming a health policy advocate for Native American people.

At ASU, Lee is vice president and circle scholar for Alpha Pi Omega, the first Native American sorority. She has a 3.93 grade-point average, is in the Native American Achievement Program and serves as representative on the American Indian Council.

Baughman enrolled at ASU to study photography but discovered he wanted to help protect the nature he liked to photograph instead. He founded the Student Sustainability Coalition at ASU, drawing together 20 different student environmental groups and launching a campus awareness campaign. He coordinated a large "Trash to Treasure" program last spring, to help gather and donate students' clothes, furniture and computers at the end of the semester.

Baughman has been a research analyst for the ASU Office of Sustainability Initiatives and is a research fellow in the ASU Center for Environmental Economics and Sustainability Policy. He has a 3.92 grade-point average and was a math teacher for middle-school students in the Barrett Summer Scholars program.

Honorable mentions in the Udall competition went to Andrea Garfinkel-Castro, a junior in urban planning, and Jessica Katz, a junior in civil and environmental engineering.

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## Bioreactors create a marriage of the minds between scientists, engineers

(Continued from page 1)

cultures are established, they are moved to the larger bioreactors outdoors and arranged for optimum sunlight.

"The large bioreactors are stationary but fully adjustable to facilitate growth of the algae culture," Gintz says. "Some of the large bioreactors also are moveable to provide maximum exposure to the sun."

The reactors have different designs; some are 2 feet tall and aligned in horizontal rows, while others stand about 5 feet tall and are aligned in vertical rows. With all the various reactors, the outdoor lab space looks like an algae farm.

Six undergraduate and two graduate students designed the bioreactors, working with contractors to develop the necessary infrastructure and

framework for the various bioreactors within the algae farm. For students such as Shaun Whitney and Emil Puruhito, this project provided a real-world experience that they will take with them wherever they go.

Whitney, a manufacturing engineering technology senior, says communication was the biggest challenge for him.

"You learn to develop a wide range of communication skills for individuals on all different levels," he says. "Also, juggling school and the project was a tasking job in itself."

Puruhito, also a senior, agrees that balancing school and the project was a struggle, but he values the growth experience. For him, he saw the project timeline and meeting goals with limited resources as beneficial to his development.

"I learned time-management skills and how to

prioritize tasks based upon required deadlines," he says. "Certain assigned tasks required me to become more familiar with new software, too, making me go outside my comfort zone."

Assistance from MMET was critically important to the research, according to Hu.

"Having the students and their adviser, Jerry Gintz, involved in the details of the design and fabrication of the reactors along with our lab scientists made for an excellent team," Hu says. "The reactors are up and running, and providing us with results on the biofuel potential of algae."

Sommerfeld expressed his hope that the collaboration with MMET students and faculty will continue.

"This is a great example of cross-disciplinary activity that focused on finding solutions to our energy problem that involved faculty and

students from two colleges on the Polytechnic campus," he says.

The effort to explore the use of alternative crops, such as algae, for feedstock for biofuels is gaining international attention, and students at the Polytechnic campus are playing a direct role in advancing that effort.

Whitney likes knowing that he is involved in something that could have an impact on future generations.

"As you develop your education and experience, you also have a chance to change the world by reducing the environmental impact while effectively advancing green technologies," he says.

Lambakis, with *Public Affairs at the Polytechnic campus*, can be reached at (480) 727-1173 or [lambakis@asu.edu](mailto:lambakis@asu.edu).

## EMPLOYMENT

The following positions are available as of April 11 and are subject to change. All positions will be advertised in *Insight* only once. The staff requisition or job order number for each position is indicated by the (#) sign. ASU is an equal opportunity-affirmative action employer.

### ASU POSITIONS

A complete job announcement for classified, administrative and service professional positions at the Downtown Phoenix, Polytechnic, Tempe and West campuses is available on the Human Resources Web page at [www.asu.edu/asujobs](http://www.asu.edu/asujobs), or the Telecommunication Device for the Deaf at (480) 965-3002.

For complete position descriptions and application requirements for academic positions, contact the appropriate department listed below. Faculty, academic professional and graduate assistant positions are also listed on the Human Resources Web sites and details must be obtained from the hiring department. Application deadlines are listed.

Dates listed are application deadlines, and application material is due by 11:59 p.m. on that date. Positions are 100 percent, full-time employment (FTE) unless otherwise noted. Codes below are: (O) – position is open to the

public; (L) – position is limited to current ASU, Northern Arizona University, University of Arizona and Arizona Board of Regents employees.

### STAFF POSITIONS

#### TEMPE CAMPUS

##### Executive and management

**Director of Academic Services** (O) #14610 – College of Liberal Arts and Sciences (April 18).

##### Professional

**Associate Executive Director for Programs, Alumni Association** (O) #14618 – Office of the President (April 28).

**Program Coordinator** (O) #14623 – Office of University Evaluation (April 22).

**Senior Financial Accounting Manager (Payroll)** (O) #14607 – Financial Services (April 18).

**Systems Programmer** (O) #14602 – Ira A. Fulton School of Engineering (April 16).

**Technician, Web Site (IT)** (O) #14603 – Ira A. Fulton School of Engineering (April 16).

### Service/field/craft/maintenance

**Animal Caretaker** (O) #14611 – VP-Research and Economic Affairs (April 16).

### POLYTECHNIC CAMPUS

#### Administrative support

**Office Specialist** (O) #14606 – Polytechnic Campus (April 16).

**Sale Assistant-Temporary (part-time)** (O) #14605 – VP University Administration (April 3; every week thereafter until search is closed).

### ACADEMIC POSITIONS

#### TEMPE CAMPUS

**Faculty Associate** P5025 – University College – School of Letters & Sciences (June 6; every month thereafter until search is closed).

**Faculty Associate** P5026 – University College – School of Letters & Sciences (June 6; every month thereafter until search is closed).

## MORE THAN JUST A GAME

National Science Foundation awards ASU's Janssen for gaming research

By Rebecca Howe

How can a computer game contribute to sustainable development? Just ask Marco Janssen, associate director of the Center for the Study of Institutional Diversity.

Janssen has earned a National Science Foundation CAREER Award for his innovative work, which includes using group experiments with computer simulations to test how people share common resources – such as forests, pastures and irrigation systems – and craft institutional rules governing those resources. The award is among the most prestigious for scientists and engineers early in their careers. It recognizes researchers and educators for their potential to be leaders in their areas of expertise.

In a typical experiment, recruited undergraduate students – who can interact only online – receive instructions and then kick back and enjoy a “Pac-Man”-type game, in which they maneuver an avatar around the computer screen collecting renewable resources. They receive monetary rewards for the amounts consumed, but uncoordinated greedy behavior leads to a collapse of the resource and lower rewards for the students. Between the various rounds, the students can use a chat room to coordinate their strategies.

“Using games can help make the experience fun and allows for ‘resources’ to be safely destroyed by the participants,” says Janssen, an assistant professor in the School of Human Evolution and Social Change, and the School of Computing and Informatics. “Also, it is difficult to observe in natural resource management how people develop rules, but in this scenario we can collect all online chat from the students and analyze it. It may help us determine why one group does better than another.

“The goal is to get better formal models about society. We need realistic solutions to the problems we face, and we need to understand which institutions fit best in which cases. Ecology varies among locations, and social organization doesn’t necessarily fit with the environment. Many naïve concepts are being used, and that creates bad or inefficient outcomes.”

Janssen’s award will provide more than \$400,000 over five years to help fund his research on institutional innovation in the governance of common resources. It also will be used to develop interactive



**Marco Janssen, associate director of the Center for the Study of Institutional Diversity, has earned a National Science Foundation CAREER Award for his innovative work. Janssen is an assistant professor in the School of Human Evolution and Social Change.**

sustainability games and educational material on computing in the social sciences for middle and high school students.

Though Janssen was trained as an applied mathematician, he has long been interested in environmental issues and has aimed his research in that direction since the early 1990s.

Janssen, who is driven to produce research that has real-world applicability, became frustrated with the boundaries of traditional disciplinary research and turned to the flexibility of intellectual fusion. His work at ASU’s Center for the Study of Institutional Diversity allows him to meld his interests in ecology, mathematics, anthropology, economics and computing in pioneering endeavors.

Janssen’s award is the second for the center, which officially launched earlier this year. J. Marty Anderies – an assistant professor in the School of Human Evolution and Social Change, in addition to the School of Sustainability – earned the center’s first National Science Foundation CAREER Award for his work regarding resource degradation.

Howe, with the School of Human Evolution and Social Change, can be reached at (480) 727-6577 or [rebecca.howe@asu.edu](mailto:rebecca.howe@asu.edu).

## ASU seniors provide input for national study on collegiate learning

Recent graduates frequently are asked about what they learned in college – and ASU’s Office of University Evaluation, on behalf of Elizabeth D. Capaldi, ASU’s executive vice president and university provost, is investigating just that question.

Throughout the month of April, ASU seniors who started at ASU as freshmen are participating in an innovative national research study that will determine how the university has contributed to their learning.

The Collegiate Learning Assessment (CLA), developed by the Council for Aid to Education and the RAND Corp., is a Web-based assessment that identifies the “value added” by colleges and universities by comparing what students know and are able to do as freshmen with their level of knowledge and skills as seniors.

The CLA’s focus is on measuring improvement both in absolute terms and after adjusting for differences in average ability of entering students. The CLA assesses critical thinking, analytic reasoning, problem-solving and written communication skills by having students respond to real-world tasks, such as supporting or critiquing an argument.

Participation in the CLA has grown dramatically during its four-year history. ASU is among more than 200 institutions across the United States administering the CLA.

Forty-three schools participated in the 2004-2005 testing cycle, and nearly 30,000 students completed the CLA in 2005-2006, a marked increase from 8,000 students during its first year.

Northern Arizona University also participates in the CLA.

ASU’s participation in the study will provide data about curricula, academic programs and undergraduate experiences. Findings also will allow administrators to examine differences in learning across all of the university’s campuses, programs and institutions, as well as among diverse pedagogical approaches and between different student groups.

CLA participants will receive their individual scores compared to those of other seniors at ASU and across the nation. Students who perform better than expected, based on their ACT and SAT scores, will receive a personalized letter from Capaldi indicating that their performance exceeded expectations.

Monetary performance-based incentives will be awarded to top achieving students, with awards ranging from \$100 up to \$1,000.

Seniors can inquire about eligibility for the assessment by contacting the Office of University Evaluation at (480) 965-9291 or [asu.cla@asu.edu](mailto:asu.cla@asu.edu).

### Partnership for Community Development

## Collaboration addresses critical community needs for children, adults

By Steve Des Georges

ASU’s Partnership for Community Development (PCD) keeps on truckin’.

From Litchfield Park further west to the community of Verrado, and from the Maryvale Revitalization Corporation to the Valley of the Sun United Way, the College of Human Services-based partnership is reaching out to build collaborative relationships among public and private community organizations to address critical community needs.

PCD’s most recent body of work features a partnership with the Arizona Department of Economic Security (DES). The partnership has resulted in the release of three reports on the successes and challenges surrounding an 18-month process shepherded by DES to create new forms of best practices in delivering social services to Arizona individuals, families and children.

Two years ago, DES and PCD began teaming up to evaluate the outcomes of the department’s efforts with individual, family and community partners who volunteered their time to provide personal experience and perspectives on existing programs and services available within their communities and through DES.

The partnership, called the Breakthrough Series Collaborative (BSC) on Service Integration, included 20 local community teams driven by family partners and supported by agency and community members. All 15 Arizona counties, including Native American tribal communities, were represented in the statewide integration effort to improve outcomes for the state’s most vulnerable populations.

The reports detail 105 innovations and breakthroughs that were tested by state social service practitioners. The documents, as well as the technical advising that accompanied their cre-

*“This is a prime example of how two public service organizations can create synergy to dramatically improve the lives of Arizona families.”*

*– Richard Knopf, director of ASU’s Partnership for Community Development*

ation, are being used to infuse the innovations throughout the DES organization, as well as throughout Arizona communities.

“In the case of this collaboration with DES, the department desired additional expertise in weaving connections between citizens, government agencies, nonprofit organizations, and faith communities to build more responsive and efficient social service delivery systems,” says Richard Knopf, director of the PCD, and an associate dean and professor in ASU’s College of Human Services. “The goal was to build the strength and self-sufficiency of Arizona families. The challenge was to find innovative ways to do so by gathering stakeholders with different kinds of resources and perspectives, and having them imagine an ideal. This is what PCD does best. Through facilitation and research analysis, we help create solutions.”

Judith Fritsch and Susan Hallett, program

administrators in DES’ Office of Community Partnerships and Innovative Practices (CPIP), led the efforts of the BSC. They say that the department touches more than 1 million Arizona residents daily through more than 50 different service programs. CPIP was created last year to increase and improve the connections among the DES programs and staff, and with local community providers. The office also promotes strengthening the individual and family voices on all levels, and in all activities of the agency.

“We chose to work with the Partnership for Community Development because we had worked informally in the past with Dr. Knopf on the establishment of the West Valley Human Services Alliance,” Fritsch says. “PCD has a reputation for quality work in strategic planning, program evaluation, and crystallizing the assets and needs of Arizona communities. We knew Richard’s passion for strengthening communities.”

The PCD evaluation was conducted by faculty members with expertise in program evaluation, survey instrumentation and social work to develop the evaluation strategy. The partnership developed a four-pronged evaluation approach, including:

- Monitoring BSC team activity.
- Assessing team evaluations resulting from three BSC learning summits.
- Evaluating participants’ understanding of the BSC process, perceptions of team outcomes, and monitoring team function and experiences.
- Conducting interviews and focus groups with teams and affected family members throughout the state to assist in analyzing the challenges and success of the Breakthrough Series Collaborative.

The results from the four methodologies conveyed general support of team members for the collaborative process, and strong enthusiasm for the promise of its impact. Among the results were the many innovative strategies for serving Arizona families that were created, tested, refined and implemented.

“PCD became partners with DES in designing effective communications strategies, identifying success stories, and – most importantly – discovering ways to ‘spread’ these successes,” Knopf says. “This is a prime example of how two public service organizations can create synergy to dramatically improve the lives of Arizona families.”

As a result of the BSC, DES human service delivery systems were enhanced in communities across the state, families were strengthened and self-sufficiency was enhanced. These successes transformed into new ways of doing business and led to more effective forms of service, according to a 35-page report produced by the department, “Transforming the Lives of Individuals and Families in Arizona: The Breakthrough Series Collaborative on Service Integration.”

DES has retained PCD to work with its Child Welfare program to assist with the evaluation of its in-home preservation efforts.

“The innovative ideas and the lessons learned through our partnership with PCD have found their way into so many parts of our work as an agency,” says DES director Tracy Wareing. “From our strategic thinking and planning to the way we approach everyday issues, the benefits of the partnership are very real.”

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