ASU Insight
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INSIDE INSIGHT

Award winners

The 2007 Hall of Fame Awards celebrate student organizations and advisers who have made a difference in the areas of leadership, programming and service at ASU. The winners are:

- Omega Phi Alpha for Outstanding Student Organization.
- S.T.E.P. Multicultural Honor Society for Outstanding Paraprofessional Student Organization.
- Elizabeth Simonhoff of Delta Zeta and Undergraduate Student Government for Outstanding Student Leader.
- Devil Dance Sport of Pi Kappa Phi for Most Promising New Organization.
- David J. Leo of Women's Coalition for Outsanding Adviser.
- Women's Coalition for Collaborative Programming Award.
- Camp Sparky for Outstanding Annual Program.
- Society of Hispanic Professional Engineers for Best Web Design.
- Laura Zilverberg of the American Humanics Student Association for Individual Achievement in Service.
- Women Beyond Borders for Social Consciousness Award.
- Graduate Partners in Science Education for Outstanding Group Service Participation.

A reception for the award winners took place April 11. For more information about the Hall of Fame Awards, please contact the Student Organization Resource Center at sorc@asu.edu.

ASU on the Web

Sparky's Welcome Team needs you!

This fall, ASU will welcome more than 8,000 new Sun Devils. These are critical days for incoming students, and volunteers are needed to help these newcomers transition to campus life during Fall Welcome, scheduled for Aug. 16-18.

Staff and faculty can make a difference by volunteering to serve at an ASK ME information booth, handing out water at "Passport to ASU," or greeting and assisting students as they move into the residence halls. Just a few hours of time can help the newest Sun Devils start their college careers right.

Visit the Web page www.asu.edu/swt for a complete list of opportunities, and to register as a volunteer for this year's Fall Welcome.

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

Scientists offer new view of photosynthesis

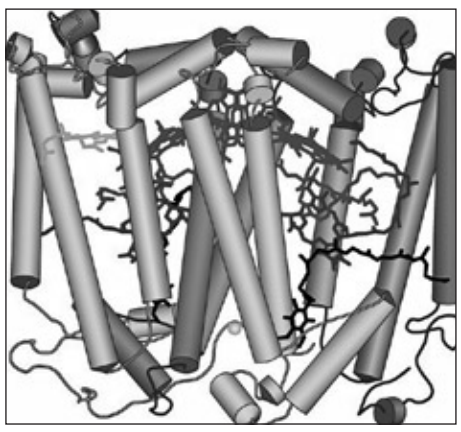
By Dan Jenk

During the remarkable cascade of events of photosynthesis, plants approach the pinnacle of stinginess by scavenging nearly every photon of available light energy to produce food. Yet after many years of careful research into its exact mechanisms, some key questions remain about this fundamental biological process that supports all life on Earth.

Now, a large research team led by Neal Woodbury, a scientist at ASU's Biodesign Institute, has come up with a new insight into the mechanism of photosynthesis, which involves the orchestrated movement of proteins on the timescale of a millionth of a millionth of a second. Their findings are described in "Protein Dynamics Control the Kinetics of Initial Electron Transfer in Photosynthesis," in the May 4 issue of *Science.*

"The studies that led up to this work initiated 20 years ago when Jim

(See RESEARCH on page 7)



The image at left shows a model of the structure of the "L" and "M" subunits of the photosynthetic reaction center from *Rhodobacter sphaeroides,* a well-studied, purple, photosynthetic bacterium.

IMAGE COURTESY OF NEAL WOODBURY, BIODESIGN INSTITUTE.

Researchers take step forward in design of new prosthesis

By Chris Lambrakis

Researchers at ASU's Polytechnic campus and the Military Amputee Research Program at Walter Reed Army Medical Center are teaming up to create the next generation of powered prosthetic devices based on lightweight, energy-storing springs.

The device, nicknamed SPARKy – short for Spring Ankle with Regenerative Kinetics – will be the first-of-its-kind smart, active and energy-storing transtibial, or below-the-knee, prosthesis.

Existing technology in prosthetic devices is largely passive and requires amputees to use 20 percent to 30 percent more energy to propel themselves forward when walking compared to an able-bodied person, according to Thomas Sugar, ASU assistant professor of engineering at the Polytechnic campus.

Once complete, SPARKy is expected to provide functionality with enhanced ankle motion and push-off power comparable to the gait of an able-bodied individual.

"A gait cycle describes the natural motion of walking starting with the heel strike of one foot and ending with the heel strike of the same foot," Sugar says. "The cycle can be split into two phases: stance and swing. We are concerned with storing energy and releasing energy (regenerative kinetics) in the stance phase."

The mechanics of walking can be described as catching a series of falls, Sugar says. In the team's device, a tuned spring brakes falls and stores energy as the leg rolls over the ankle during the stance phase, similar to the Achilles tendon.

Sugar's team, made up of doctoral students Joseph Hitt and Matthew Holgate, and Barrett Honors College student Ryan Bellman, have coined SPARKy a "robotic tendon"

TOM STORY PHOTO

Matt Holgate, left and Joe Hitt pose with SPARKy, the name given to the Spring Ankle using Regenerative Kinetics. Both of them are doctoral candidates in mechanical engineering, and they are working on the project with ASU assistant professor of engineering Thomas Sugar.

because of its bionic properties.

"What we hope to create is a robotic tendon that stretches springs when the ankle rolls over the foot, thus allowing the springs to thrust or propel the artificial foot forward for the next step," Sugar says. "Because energy is stored, a lightweight motor can be used to adjust the position of a uniquely tuned spring that provides most of the power

(See DESIGN on page 7)

Law school grad makes tenacity her trademark

By Janie Magruder

If Victoria Tandy's father could have been at her law school graduation this week, there would have been pride in his eyes – and a bouquet of orchids and daisies (her favorites) in his hands.

Victoria Tandy

The only child of Federico Patino has bravely played the cards dealt in an unlucky deck, overcome fear and survived tragedy since arriving in Arizona from Colombia 5 1/2 years ago.

Tandy is among the 179 graduates of the Sandra Day O'Connor College of Law who gathered for convocation May 11 in Gammage Auditorium. Her mother, Guiomar, cheered from the audience, but her father was not there. He was assassinated in November 2004, just as Tandy began her first-semester finals.

Tandy grew up in Manizales, Colombia, a violent land torn by civil war, with high unemployment and scarce opportunities. Tandy's father was a professor and scientist; her mother is a physician.

Tandy earned an industrial engineering degree from the Universidad Nacional de Colombia. Via an international nonprofit agency, Tandy accepted an internship in human resources management at a Scottsdale hotel and arrived in Phoenix on Sept. 11, 2001, not knowing any English.

But because of a downturn in tourism attributed to the terrorist attacks, Tandy soon was reassigned to housekeeping. After months of cleaning toilets and changing beds, Tandy quit to look for other work, but she was overqualified for some jobs and didn't know enough English for others.

(See LAW on page 7)

College of Liberal Arts and Sciences

Wheeler taps Bacon, Lederman as new deans

By Carol Hughes

Two professors from the cadre of chairs and directors in the College of Liberal Arts and Sciences have been tapped to lead the college's largest divisions: the Division of Natural Sciences and Mathematics and the Division of Social Sciences.

They are:

- Sid Bacon, who chaired the Department of Speech and Hearing Science before becoming interim dean of the Division of Natural Sciences and Mathematics in December, has been appointed dean of that division.

Sid Bacon

- Linda Costigan Lederman, a professor of health communication in the Hugh Downs School of Human Communication and director of the Institute for Social Science Research, has been appointed dean of the Division of Social Sciences.

Linda Lederman

The appointments were made by Quentin Wheeler, ASU vice president and dean of the College of Liberal Arts and Sciences. Wheeler, who was named vice president and dean in December as part of a university academic reorganization, previously was serving as interim dean of the Division of Natural Sciences and Mathematics.

Wheeler, an entomologist, also is director of the International Institute for Species Exploration at ASU.

"There's strength and forward motion everywhere at ASU," Wheeler told the college's chairs and directors earlier this year. "The College of Liberal Arts and Sciences and the university are changing rapidly. There are very few universities where you can transcend boundar-

(See BACON on page 6)

McCoy joins fellowship of architects

By Judith Smith

During twilight investiture ceremonies at the historic Alamo in San Antonio May 4, Ron McCoy, ASU's university architect, was elevated to the College of Fellows of the American Institute of Architects.


Ron McCoy

He was one of just 76 architects named to the college this year.

McCoy joins an elite group. Fewer than 2,600 of the nearly 81,000 AIA members have the distinction of being a fellow.

The fellowship program was developed to elevate architects "who have made a significant contribution to architecture and society, and who have achieved a standard of excellence in the profession."

Election to fellowship "not only recognizes the achievements of architects as individuals, but also their significant contribution to architecture and society on a national level," according to the AIA.

McCoy, who received the Arizona Architects medal last year, was nominated for the honor by the Phoenix Metro Chapter of the American Institute of Architects.

The distinction of fellow honors McCoy for his achievements as an educator and university architect, which, he says is an unusual combination.

As university architect, McCoy oversees the architecture and planning of all ASU campuses. The current projects include the Downtown Phoenix campus expansion, Barrett Honors College, south campus housing, and the Arts and Business Gateway at Tempe Center.

More than just supervising the construction of buildings, McCoy must see that the campus additions "manifest the vision of the New American University."

Before joining ASU as a professor of architecture, McCoy was a senior and associate architect with Venturi, Scott Brown and Associates, where he led several projects that received regional and national design awards. He was a faculty member for 10 years at the Southern California Institute of Architecture, and he also has taught at Temple University, Drexel University and Otis Parsons Art Institute.

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

Vandermeer elected Academic Senate president

By Judith Smith

The election is over, and the results are in: Philip Vandermeer, an associate professor of history in the College of Liberal Arts and Sciences, has been named president-elect of the ASU Academic Senate for 2007-2008.


Philip Vandermeer

Judy Grace, interim director of the Center for Learning and Teaching Excellence, was elected secretary.

New committee members are as follows:

• Academic Freedom and Tenure Committee, 2007-2010 (two members for three years): Susan Mattson, professor of health care and innovation, College of Nursing and Health Care Innovation; Rosemary Renaut, professor, Department of Mathematics and Statistics, College of Liberal Arts and Sciences.

• Academic Professional Grievance Committee, 2007-2010 (one member for three years and one alternate for one year): Member – Gary Hembree, senior research scientist, Department of Physics, College of Liberal Arts and Sciences; alternate – Christine Kyselka, associate administrative professional, School of Extended Education, University College.

• Academic Professional Status Committee, 2007-2010 (one member for three years and one alternate for one year): Member – Maggie Mangini, executive director, Workforce Education and Development Office; University College; alternate – Charles Kazilek, senior research professional, School of Life Sciences Administration and Faculty, College of Liberal Arts and Sciences.

• Governance Grievance Committee, 2007-2010 (three members for three years): Steve Goldinger, professor, Department of Psychology, College of Liberal Arts and Sciences; Elizabeth Horan, professor, Department of English, College of Liberal Arts and Sciences; Horst Thieme, professor, Department of Mathematics and Statistics, College of Liberal Arts and Sciences.

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

New state legislation spells out 'postdoc' policy

By Britt Engle

Arizona Gov. Janet Napolitano signed Senate Bill 1556 into law last week, a legislative move that will except postdoctoral scholars who are employed by an Arizona public university from participation in the Arizona State Retirement System (ASRS).

This legislation followed approval of a new "Conditions of Postdoctoral Scholar Service" policy by the Arizona Board of Regents (ABOR) at its March meeting.

The legislation and ABOR policy were in response to a near two-year period of forums and surveys at ASU that involved postdoctoral scholars, principal investigators and department chairs in addressing the need for a separate classification for postdoctoral scholars in recognition of their unique status, conditions of service, sources of funding, and short-term affiliation with the universities.

"Postdoctoral fellows are critical to our research mission and this legislation will help us attract and retain the most talented individuals to these positions," said Betty Capaldi, executive vice president and provost of ASU.

In considering the new policy, the board was advised that 62 percent of higher education institutions classify postdoctoral positions in a separate category, distinct from faculty, students and staff, according to a survey by the Association of American Universities. Also, it was noted that 89 percent of postdoctoral scholars at ASU are paid by non-state funds. Postdoctoral scholars generally are paid out of their faculty mentor's research grants, or from federal or private foundations.

The compensation available to the postdoctoral scholar for research and other academic activities that characterize their role at the university is decreased by the deduction for the employee portion of the retirement contribution, which also could serve as income for the fellow to make student loan payments and other immediate needs until she or he is hired into a regular position in academia or industry and eligible for retirement benefits.

The new ABOR policy aims to more accurately define postdoctoral scholars as professional apprentices, as they are appointed on short-term appointments that cannot exceed five years, and addresses duties and responsibilities and benefits of the new classification.

The policy will take effect Jan. 1.

Engle, with Media Relations, can be reached at (480) 965-9370 or brittany.engle@asu.edu.

ARAMARK earns ASU food service contract

By Sarah Auffret

ASU has awarded a seven-year contract to ARAMARK Higher Education to provide dining and retail food services at the ASU Tempe campus. The agreement, with potential first-year sales of up to $35 million, can be extended to 10 years.

With a Tempe campus enrollment of more than 51,000, and a total enrollment topping 63,000, ASU is one of the premier metropolitan public research universities in the nation. ASU is pioneering the New American University, offering both high quality education and access to a broad section of the population. By 2020, the university expects to enroll 90,000 students.

"ASU is excited about our new partnership with ARAMARK," says Michael J. Coakley, ASU associate dean of student affairs and executive director of university housing. "During the interview and selection process, it was apparent that ARAMARK would bring new and exciting elements to dining on the Tempe campus. With expanded serving hours, new venues such as Quizno's and new service points on campus such as the Coor Building, ARAMARK obviously listened to student desires.

"Other factors in the decision – in addition to their commitment to sustainability, quality of product and high customer service focus – were their desire to work with ASU on the development of the new dining program in Barrett, the Honors College, and the possibility of partnering with American Campus Communities on the development of an upscale market in the South Campus Residential Community."

Beginning July 1, ARAMARK will provide residential and retail dining, catering and special event services for the students, faculty and staff on the Tempe campus.

ARAMARK was selected based on a comprehensive, proprietary process developed by ASU engineering professor Kenneth T. Sullivan and several other professors. The process, known as the "Best Value Process," focuses on risk and value, seeking to transfer the accountability for delivering an efficient service to the vendor most capable of doing so within the client's requirements and constraints.

"We are proud to support ASU's mission to be the New American University," says Andrew Kerin, president of domestic food, hospitality and facilities, ARAMARK Corp. "Our strategic approach will enhance the living and learning experiences and environments for the entire ASU community."

ARAMARK Higher Education provides a wide range of food, facility, conference center and other support services to about 500 U.S. colleges and universities.

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

ASU names new buildings at Polytechnic campus

By Chris Lambrakis

Just as the new buildings at ASU's Polytechnic campus begin to emerge from the ground, the proposed placeholder names for the new edifices have been approved.

Administrators and deans at the Polytechnic campus selected names from geomorphic structures in the East Valley for the new buildings, the existing auditorium and the new walkway and mall. These recommendations were approved by the office of the university's executive vice president and provost, Betty Capaldi, in April.

Although the names will serve to identify the buildings and spaces, they are only temporary, says Rita Locke, assistant vice president for the ASU Foundation.

"The open and innovative designs of the three new academic building complexes compliment the technological emphasis of the polytechnic programs," Locke says. "As the buildings transform the look and atmosphere of the campus, they will offer prominent naming opportunities for families, individuals and companies who wish to support students and a growing campus in the East Valley."

The ability to invest in the naming of physical structures, spaces, programs and other endowed funds provides great opportunities for recognition and growth by investors and ASU alike, according to Colin Tetreault, project manager for the chief of staff at the ASU Foundation.

Last year, the Legislature appropriated money to fund the debt service on $103 million to pay for the construction of facilities that will provide faculty and staff offices, classrooms and teaching laboratories. The naming structure includes:

• Building A, which is the building on the west end of the job site, the facility closest to the Technology Center and the Engineering Studio, will be called Peralta Hall and house the Morrison School of Management and Agribusiness and Computing Studies classroom space and offices.

• A lecture hall near Peralta Hall will be called Picacho Hall for use by the Multi-Media Writing & Technical Communications program.

• Building B, which will be attached to the existing auditorium, will be called San Tan Hall and provide classrooms and offices for the Engineering program and the College of Science and Technology Dean's Office. A donor is being sought to help renovate the auditorium, which will be known as Aravaipa Auditorium.

• Building C, identified as Superstition Hall, will provide space for the Humanities, Social/Behavioral Sciences, School of Educational Innovation and Teacher Preparation, Physical Education, Applied Psychology and East College Dean's Office.

• A new "black box theater," which will provide production and performance space for Applied Arts students, will be termed the Fine Arts Pavilion. This building is near Building C, but does not share a common roof.

• Walkways or malls connecting the new buildings are also being renamed. For example, Utah Street, north of the new buildings, is now the Sonoran Wash.

The last steel beam for San Tan Hall was put in place May 4, and Peralta and Superstition Halls are expected to follow shortly thereafter. A community topping-out ceremony is expected sometime in early summer.

Completion of the complexes is expected by August 2008, but the name changes are effective immediately.

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

ASU Insight

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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.**

Assistant Vice President: **Terri Shafer**
Print Editor/Publisher: **John Jarvis**
Web Editor/Publisher: **Gary Campbell**
Assistant Editor: **Britt Engle**
Calendar/Jobs Editor: **Lisa Campbell**
Photographer: **Tom Story**

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Cronkite professor earns National Academy honors

Donald Godfrey, a professor at ASU's Walter Cronkite School of Journalism and Mass Communication, has been named a recipient of the 2007 Silver Circle Award by the National Academy of Television Arts and Sciences (NATAS).

Godfrey, who has been part of the faculty at the Cronkite School since 1988, was one of eight broadcasters recognized for his contributions to the broadcast industry at the April 22 award ceremony at the Arizona Club in Phoenix.

To be eligible for the Silver Circle honor, individuals must have served in the broadcast industry for at least 25 years and made major contributions to the television industry, according to Jan Jacobson, Silver and Gold Circle chair for the NATAS Rocky Mountain Southwest Chapter, which includes Arizona, New Mexico, Utah, Wyoming and El Centro, Calif.

"Don's combined extensive industry background and educational accomplishments made him a distinctive candidate for the Silver Circle Society," she said in a written statement.

Godfrey is the editor of the Journal of Broadcasting & Electronic Media, a national journal devoted to broadcast education and research. He has written or edited 10 books and numerous articles related to the broadcast industry and Mormon history.

He holds many honors, including the Broadcast Education Association's (BEA) Festival of Media Arts' Founder's Award and the International Television Association Merit award. He has been a National Association of Television Program Executives Fellow and was founding chair for the BEA's Festival of Media Arts. He is a past president of BEA and the Council of Communications Associations.

Before coming to ASU, Godfrey worked in commercial radio, public and commercial television and corporate communications in Ogden, Utah, Eugene, Ore., Tucson, Phoenix and Seattle. He continues to do freelance writing, consulting and corporate work within the industry.

"Don has had a profound effect in steering students in their careers in broadcasting," says John Craft, a board member for the Rocky Mountain Southwest Chapter and a fellow professor in the Cronkite School. "He has made a difference both academically and in the profession."

Godfrey joins Craft and Cronkite associate dean Frederic Leigh in the NATAS Silver Circle.

This year's other Silver Circle Award recipients are: George Allen, Frank Camacho, Hector Gonzalez, Michael Grant, Tom Heidinger, David Miller and Linda Williams.

The National Television Academy is a national organization founded in 1955 to promote artistic, educational and technical achievements within the television industry. The academy hosts and sponsors the Emmy Awards for news and documentary, technology and engineering, community service, sports, business and financial reporting, among several other categories.

In THE NEWS

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

A new study on office bullying finds that while nearly 30 percent of U.S. workers have endured a punishing boss or co-worker, many individuals would not label themselves as bully targets. "Bullying, by definition, is escalatory," says study team member **Sarah Tracy,** director of the Project for Wellness and Work-Life. "This is one of the reasons it's so difficult to prevent it, because it usually starts in really small ways." *CNBC,* April 2.

New data on Mars's underground ice shows that the Red Planet likely has a very active water cycle. Using heat emission observations from the Mars Odyssey spacecraft, researchers were able to map seasonal changes in the temperature of the Red Planet's surface to locate and measure the buried ice. "This gives us a more detailed picture of the underground ice on Mars," says **Joshua Bandfield,** School of Earth and Space Exploration research specialist, who led the study. *National Geographic,* May 2.

For many boys, the traditional school model doesn't fit them as well as it does girls. According to **Joseph Tobin,** early childhood education professor, this is may be caused by "internal prejudices" many teachers have against things boys are interested in. "Just as we used to ask ourselves in the 1970s, 'In what ways am I being sexist in my treatment of girls?' we now have to ask, 'In what ways are we disapproving of boys' interests in our classrooms?'" Tobin says. *PBS,* May 6.

A slowing U.S. economy, resulting in fewer jobs, is discouraging immigrants from slipping into the United States, according to economists at ASU. Illegal immigrants hold jobs that are some of the first to be left unfilled when a slowdown looks imminent. When jobs are scarce, word quickly gets out to would-be immigrants. In fact, falling border apprehensions could be an early predictor of where the economy is headed. If that's true, then Americans should prepare for rough economic times ahead, says **Dawn McLaren,** research economist. *Christian Science Monitor,* May 2.

ASU Commission on the Status of Women

Awards salute champions of gender equity

By Britt Engle

The ASU Commission on the Status of Women (CSW) held its eighth annual Outstanding Achievement and Contribution Awards April 25, recognizing the men and women who helped improve the status of women at ASU and beyond.

The 2007 award recipients are:

- Michelle McGibbney Vlahoulis, a women and gender studies lecturer.
- Shelly Sass, a student activist for the Women's Coalition.
- Joan Allen, a senior counselor in the Employee Assistance Office.
- The Women Beyond Borders organization.
- The Sun Devil Combat Sports Association.

"The award has been given for eight years, and each year the executive committee, who selects the award winners, are increasingly overwhelmed by the caliber of the nominees," says Karen Engler, an academic associate for CSW. "Our mission is to identify, advocate for, and increase awareness of needed changes in the university environment in order to enhance opportunities for women and other underrepresented groups. This award speaks volumes on the passion and dedication that numerous members of the ASU community have toward achieving gender equity and improving campus climate."

As an instructor and adviser in the women and gender studies department, McGibbney Vlahoulis' commitment to serving women students and faculty is unparalleled. She has accomplished a number of important endeavors to help women students, faculty and staff, including organizing numerous fund-raising events, working with the undergraduate committee to redesign the women and gender studies introductory course, serving on the university's Campus Environment Team, taking a leadership role in the ASU body pride committee, and organizing efforts that led to the successful nomination of a women and gender studies graduate student for the 2007 Young Alumni Award.

In addition to all of these accomplishments, McGibbney Vlahoulis fosters activism through her involvement with internship students. Each year, she leads these students in running the annual Women's Leadership Conference, which allows them to engage in the process of social change so that they can, in turn, empower other women at ASU and beyond.

Sass' enthusiastic and tireless work as a feminist activist has made her known among various ASU student activist groups as the "go-to" person. Her efforts promote awareness of women's issues, as well as LGBTQ (Lesbian, Gay, Bi-sexual, Transgender, Questioning) issues as well. Sass has taken on leadership roles in projects such as VDay, HRC@ASU, Women Beyond Borders, the Women's Coalition and the LGBTQ Coalition. As a producer for the "Vagina Monologues," Sass secured funding from beneficiaries and coordinated the efforts of various women's organizations. She also helped organize the painting of the "A" on Hayden Butte for National Coming Out Day and provided the Women's Coalition with the opportunity to take a public stance on Proposition 107 by participating in the awareness rally coordinated by the HRC.

Allen often goes beyond the call of duty as a senior counselor at the Employee Assistance Office. For years, Allen has presented a number of workshops on the subject of preventing and addressing stalking behavior, which primarily affects women employees. Additionally, Allen has worked closely with ASU Police and has been called on numerous occasions to provide counseling to women suffering from domestic abuse, stalking and date rape.

Allen provides this vital support well into the nights and weekends, giving victims her private cell phone number, so that she can be there for them through some of their most painful and frightening times. Because of the nature of her profession, much of Allen's impact cannot be listed, but countless individuals who have been counseled by Allen have commented on how her guidance and mentorship deeply affected their lives professionally and personally. Allen is being honored for her astounding energy and dedication that make the university a better place for women.

Women Beyond Borders (WBB) was the first student group to suggest that advocacy for women in other countries, such as the plight of a woman under a *burqa* in Afghanistan, was a priority. In doing this, the WBB conducted educational film screenings, which have evolved over the past two years to include presentations on women in Afghanistan, a craft sale originating in Afghanistan for the benefit of those women, a "Sew-In" overnight fundraiser, a global women's activism book club, a program to sponsor teachers in Afghanistan, and an art exhibit to benefit women in Juarez. In their work to support women around the world through local efforts, the activists of WBB have embodied the message that advocacy for women should never be limited to our immediate environment, but should extend beyond borders.

Composed mainly of male members, the Sun Devil Combat Sports Association (SDCSA) is a student organization that is dedicated to changing the culture of violence against women. In the fall of 2005, SDCSA collaborated with Sigma Alpha-Alpha Nu Chapter and Student Counseling Services in developing and conducting a four-session Women's Self-Defense Assault and Rape Prevention workshop series at no cost to the participants. The organization's goal was to provide women on campus and in the community with realistic, hands-on, close-quarters self-defense skills. Given that college age women are at the highest risk for acquaintance rape, the need for self-defense skills was clearly evident. Since the first self-defense workshop series, SDCSA has continued to conduct the series every semester. Additionally, the group has also raised awareness of women's safety issues by effectively promoting the workshops across the Polytechnic campus.

For information on the CSW, visit the Web site http://aspin.asu.edu/csw.

Engle, with Media Relations, can be reached at (480) 965-9370 or brittany.engle@asu.edu.

Graduate student gives back by mentoring young ecologists

By Kate Ihle

Kevin McCluney knows what a difference one person can make. Even the quote by Helen Keller that accompanies his e-mail highlights how important this philosophy is in his life: "I am only one; but still I am one. I cannot do everything, but still I can do something; I will not refuse to do something I can do."

As a doctoral student in the laboratory of John Sabo, an assistant professor in the School of Life Sciences, McCluney is an ecologist investigating the role of water availability on animal community structure. It is a career choice that might never have taken shape.

Growing up in Cocoa, Fla., McCluney often had to make his own opportunities to explore his interest in biology. It wasn't until a summer program for high school students was started and run by James Yount, a professor from the local community college, that McCluney had his first exposure to the study of ecology and his first understanding of the difference that mentorship can make.

"Up until then, I didn't know anyone with formal training in biology or ecology," McCluney says. "My world came alive during that special class."

Like his mentor, McCluney has made education and community outreach a priority during his graduate career. For the past two years, he has volunteered as a graduate mentor in the Southwest Center for Education and the Natural Environment's (SCENE) Research Experiences for High School Students program.

SCENE is a nonprofit organization administered out of the Global Institute of Sustainability that bridges the research programs of ASU to the community. Each year, SCENE pairs exceptional high school students with mentors in research labs at ASU. SCENE's students first learn the basics of experimental design, data analysis and research methods before working with mentors to design an original research project to be presented at the Central Arizona Regional Science and Engineering Fair (CARSEF).

This year, one of McCluney's students, Puja Umaretiya, a senior from Chandler High School, won the Senior Division Grand Award at CARSEF.

During her second year in the SCENE program, Umaretiya built on the training and experience gained with McCluney the previous year to set up her award-winning project: a complex, original study examining the effect of cricket hydration levels on rates of cricket predation by wolf spiders. Using ideas drawn from "Ecological Stoichiometry," a text co-authored by Robert Sterner and School of Life Sciences' professor James Elser, McCluney and Umaretiya developed a design that maximized results and statistical power within the confines of her schedule. Over the course of three weekends, she examined the effect that water could have as a limiting resource in the context of prey consumption at low hydration, as well as a quenching effect at higher levels of hydration.

Umaretiya found that spider consumption of crickets is maximal at intermediate levels of hydration with rates of consumption lower at very high and very low levels of cricket hydration. The resulting curve suggests that there are trade-offs between the effort involved in catching crickets and the resulting hydration payoff.

Umaretiya's project not only earned her the grand prize in the senior division at CARSEF, but also first place in the animal sciences division, the Navy Naval Science Award and the Army Award. McCluney and Umaretiya also received congratulatory notes from ASU President Michael Crow.

Umaretiya will advance to the Intel International Science and Engineering Fair, to be held in Albuquerque, N.M., May 13-19. The grand prize is a $50,000 scholarship.

Next year, McCluney plans to continue his role as a SCENE mentor. While McCluney's work with the SCENE program builds on the future of ASU as the New American University, his commitment to building the next generation of scientists continues the legacy of personal involvement modeled by McCluney's mentor back in Cocoa, Fla.

Ihle, with the School of Life Sciences, can be reached at kate.ihle@asu.edu.

Going Global

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

Chinese partnerships enhance science research, global ties

By Joe Kullman

ASU's global reach will be extended by collaborative ventures with two of China's premier higher education and research institutions.

Recently completed agreements establish an educational program in cooperation with Huazhong University of Science and Technology (HUST) and a research program that will pair the biomedical engineering college of Shanghai Jiao Tong University (SJTU) and the Center for Neural Interface Design at ASU.

Both projects are the result of efforts by Jiping He, a professor in the Harrington Department of Bioengineering in the Ira A. Fulton School of Engineering. He is director of the Center for Neural Interface Design. He also completed his undergraduate studies at HUST and has been a visiting professor there.

HUST and ASU will establish a "3+2 program" in which selected HUST students would complete three years of undergraduate engineering studies in China and then be accepted into specific fields of study at ASU for two years to finish training for a bachelor's degree from HUST plus a master's degree from ASU.

The first group of Chinese students selected to participate are planning to begin studies at ASU in the fall semester, He says.

An agreement with SJTU sets forth a plan to establish the Joint Institute for Neural Engineering between China and the United States.

SJTU and ASU are to pursue joint research projects and educational initiatives, exchange visiting scholars and students, and jointly present seminars, workshops and conferences.

The institute's work will involve developing technology such as advanced prosthetics and therapeutic devices for people with diseases and injuries affecting the central nervous system.

There also are plans to expand such collaborative efforts by bringing Chinese students pursuing doctoral degrees in engineering to participate in research at ASU.

"Our idea is to start these educational and research collaborations in engineering fields and eventually extend them to other colleges, schools and programs across the university," He says.

The new partnerships "are going to significantly advance ASU's engagement in the global community," says Mengying Li, a strategic planner for the ASU president's office. "Given the prominence of Shanghai Jiao Tong University and Huazhong University of Science and Technology, they will greatly improve ASU's presence in China."

"Jiping He has successfully leveraged his strong connections to enhance ASU's research and discovery network," says Mariko Silver, director of strategic projects for the president's office. "We are anticipating excellent results from both partnerships."

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

Jiping He, a bioengineering professor at ASU, is heading a project to expand collaboration with two of China's premier research institutions.

ASU proves to be popular among Chinese scholars

By Carol Hughes

Chinese scholars are drawing on the opportunities at ASU for their studies, research and teaching experience. This academic year, ASU was the foreign destination for several visiting scholars who worked in such diverse fields as English, literature, education, language acquisition, environmental biotechnology and public administration. Some of the visiting Chinese scholars were:

- Wang Xiaolu, a professor of literature in the Chinese Department at Sichuan University, ASU's sister institution, taught a course on Chinese literature in ASU's Department of Languages with ASU professor Jewell Parker Rhodes, artistic director and Piper Endowed Chair of the Virginia G. Piper Center for Creative Writing.
- Su Dehua and Xu Jing, also from Sichuan University, are both English teachers from the university's College of Foreign Languages and Cultures. Chinese government scholarships allowed Su and Xu to study Latin in ASU's Department of Languages and Literatures, part of the College of Liberal Arts and Sciences.
- Xia Siqing, a professor and vice dean in the School of Environmental Science and Engineering at Tongji University, spent six months conducting research on water quality with Bruce Rittmann, a professor of civil and environmental engineering who also is director of the Center for Environmental Biotechnology in the Biodesign Institute at ASU. The pair's research focused on how to protect the water quality of a man-made lake in the Shanghai region.
- Song Ying, an associate professor of English in the School of Foreign Languages at Tongji University, spent the fall semester at ASU sitting in on English and education classes to learn how they are taught. Song also heads the teaching and research office at Tongji University.
- Zhang Caibo, an associate professor of American literature at Shandong University, spent nearly a year in ASU's English department, focusing on American literature, notably African-American literature. Her goals were not only to gain knowledge of American literature course content, but also to observe how that content was taught.
- Zhang Jinfan, an associate professor of English in the School of Foreign Languages at the University of Electronic Science and Technology of China, participated in a seminar on educational language policies taught by Terrence Wiley, interim associate dean of ASU's Mary Lou Fulton College of Education. Zhang was particularly interested in distance learning and computer-assisted language learning.
- Zhu Xiaomei, a professor of English at Anhui University, also attended Wiley's seminar on educational language policies as part of her studies at ASU.
- Yu Jianxing, a professor and chair of the Department of Public Administration at Zhejiang University, is in the middle of a two-year visit at ASU's School of Public Affairs in the College of Public Programs. He has sat in on a methods class and one on public administration policy taught by ASU professor G. Zhyong Lan. Yu is at ASU to observe how we teach public administration and to take that knowledge back to his university.

Ten faculty members from Huazhong University of Science and Technology also visited ASU's School of Public Affairs this past fall for an introduction into American public policy administration. As part of their studies, they met with local government officials and saw first-hand how ASU's Decision Theater allows researchers to enhance their work through visualization representations.

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

Howdy, partner: Finland, ASU take first joint steps

By Judith Smith

When people think of Finland, they usually think of the aurora borealis, reindeer, the arts and good design (Alvar Aalto, Akseli Gallen-Kallela, Iittala, Marimekko, Esa-Pekka Salonen).

They may also think about technology – particularly if they use a Nokia cellular phone.

But Finland also is renowned for its knowledge-based economy, engineering, machinery and advancements in wireless technology, too.

Finland, with its population of more than 5.2 million and its 10 universities, is positioned well to be an exchange partner in education and technology with ASU and the state of Arizona.

ASU and Finland took the first step toward a multipronged relationship with the visit in April of Marilyn Ware, U.S. ambassador to Finland.

Ware, accompanied by Brian McCleary, head of the commercial section of the U.S. Embassy in Finland, made a one-day visit to the Tempe campus that was packed with information.

The whirlwind tour of ASU started with a welcome by Anthony "Bud" Rock, vice president for Global Engagement, and Gary Waissi, dean of the School of Global Management and Leadership.

Ware was impressed by the comprehensive presentations from the Ira A. Fulton School of Engineering, Mary Lou Fulton College of Education and Applied Learning Technologies Institute, Sky Song, and the Office of Sustainability Initiatives.

The ambassador also was treated to tours of Decision Theater and the ASU Art Museum, and presentations by the Herberger College of the Arts and the College of Design, where Ware exchanged views with the deans on the progressive styles of Finnish culture and design. The day ended with a meeting with representatives of the Greater Phoenix Economic Council.

Dawn Kallestad, director of the Office of Global Engagement, says Ware's visit set the tone for partnerships between the university and Finland.

"Ambassador Ware was extremely impressed with ASU," Kallestad says. "The ambassador was delighted with her stay in Arizona, and believes the potential for U.S.-Finnish cooperation is enormous."

ASU chose to explore a Finnish connection for several reasons, Rock says.

"Given the quality of the Finnish education system, several unique capabilities of Finland's technology-based industry, and our relationship with Finland through Gary Waissi, we reached out to

> *"By briefing the U.S. ambassador to Finland on ASU's assets, we hope to raise ASU's profile as a potential partner for dynamic Finnish enterprises." – Julia Rosen, assistant vice president for research and economic development*

Ambassador Ware to explore possible collaborative opportunities, such as student opportunities with Finnish universities and opportunities to engage Finnish corporations in economic cooperation with industries and SkySong," he says.

Julia Rosen, assistant vice president for research and economic development, presented the university's entrepreneurial portfolio, focusing on SkySong, the ASU Scottsdale Center for Innovation.

"SkySong is designed as a two-way global portal – both serving as a 'soft landing' for firms from outside the United States who seek to enter the American marketplace, and as a gathering place for innovators and entrepreneurs already operating in Arizona and the United States," Rosen says. "Finland is a country rich in technological innovation. By briefing the U.S. ambassador to Finland on ASU's assets, we hope to raise ASU's profile as a potential partner for dynamic Finnish enterprises."

The ambassador commented that the collective offering of space, services and university connections would be very well received by innovation-based firms in Finland, Rosen says.

The next step in the ASU-Finland connection is for Rock and Waissi to visit Finland "to expand on the relationship established with the Embassy and to meet with universities and companies to determine areas of collaboration, particularly with the schools of engineering, education, design, and also with SkySong," says Kallestad, who adds that ASU also is pursuing student exchange opportunities.

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

Award-winning study-abroad students add to ASU's global reach

By Sarah Auffret

In a strong confirmation of the university's increasing global presence, a record 17 ASU students have won Fulbright Scholarships to study abroad next year, and another 15 will study overseas on National Security Education Program (NSEP) awards. This will be the largest number of national study-abroad awards in ASU's history.

Even more impressive is the number of finalists who received awards. Of 22 Fulbright finalists, all but three have been named awardees or alternates, and one is still waiting to receive word. ASU ranks among the top public universities in the country for both awards.

Janet Burke, associate dean of Barrett, the Honors College and director of the national scholarship advisement office, attributes ASU students' success to supportive faculty who involve students in cutting-edge research, increased attention to global studies, the emphasis on foreign language and word-of-mouth among students.

"Students have become more savvy about applying for Fulbrights, by talking with their friends and lab partners who have won major awards," Burke says. "They come in with a clearer idea of what they want to do, where they want to go, and how they can make the right connections. Faculty members also tend to be very helpful to students in formulating their projects and establishing the necessary contacts overseas.

"The applications were just exceptional this year. We also had a lot more science and math and engineering students than we have had in the past, which is wonderful to see because we have such strong programs in those areas.

"I think we also are building a good foundation of national award winners in undergraduate scholarship competitions, and those students are more attractive because they have accomplished so much."

Fulbright students apply for a particular country and find specialists who are willing to work with them on their chosen course of study, receiving full travel, living and academic expenses for an academic year. The NSEP awards provide up to $20,000 for a year's study in countries that are outside Western Europe, Australia and New Zealand.

The following students are Fulbright Scholars:

• Michael McIntyre, a master's candidate in political science, is going to Albania to research the country's post-communist defense behavior by analyzing government press releases and newspaper commentary.

Nathan Belois

Ryan Donaghy

Jon Fortney

Naomi Goldenson

Bryant Jensen

Nguyen Ly

• Erin Traeger, who earned a bachelor's degree in Russian and mathematics last December, will travel to Macedonia to study whether the reform of the basic tax structure of the country has impacted government revenue.

• Sherry Harlacher, a doctoral candidate in art history and theory, will go to Sri Lanka to examine 18th- to 20th-century Buddhist manuscript culture and book art. Harlacher won both a Fulbright award and a Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship.

• Nathan Belois, who received a master's in teaching English as a second language in December, will go to Bosnia-Herzegovina to teach English as a teaching assistant at the University of Banja Luka.

• Damian Stamer, graduating with a bachelor's degree in painting and German, will go to Hungary to help build an English-speaking volunteer program at the Ludwig Museum of Contemporary Art in Budapest.

• Ryan Donaghy, receiving a master's in intercultural communication, will be an English teaching assistant in Turkey and also plans to volunteer for the Turkish Red Crescent (Red Cross).

• Ben Walker, who is receiving a bachelor's degree in physics and mathematics, will travel to TRIUMF National Laboratory in Vancouver, B.C., to join a team of physicists on a particle physics experiment.

• Antonio Rubio, a doctoral candidate in applied mathematics and atmospheric sciences, is headed to Spain to work on a project to develop a fuller understanding of the dynamics of rotating convection.

• Shannon Fortin, who is receiving a bachelor's degree in biochemistry and computational mathematics, will perform brain cancer research in Belgium, in the lab of Robert Kiss at the Universite Libre de Bruxelles. Fortin has been doing research at TGen and was a Goldwater Scholar.

• Nguyen Ly, a doctoral candidate in electrical engineering, will go to Germany to advance a protein detection technology he has developed that speeds clinical processing time while improving disease detection and diagnosis.

• Bryant , a doctoral candidate in educational psychology, is going to Mexico where he will evaluate educational access and achievement for children in Mexico and compare them to results for children of Mexican descent in the United States.

• Naomi Goldenson, who is receiving her master's in geological sciences, will go to Spain to work in a Granada lab on atmospheric remote sensing of Mars. She has worked with ASU planetary geologist Phil Christensen.

• Jon Fortney, a doctoral candidate in mathematics, will study and work with experts in the Netherlands on an emerging mathematic approach to modeling interconnected physical and electrical systems.

Four other Fulbright award winners, announced in April, are Diana Park, a master's candidate in creative writing, who will write a collection of poems in Korea; Amelia Schubert, a senior in Asian history and economics who will teach English to Korean high school students; Samson Swanick, a senior in anthropology and global studies, teaching English in Indonesia; and linguistics doctoral student Bradley McDonnell, who will study the national language of Indonesia.

The NSEP award winners are all undergraduates. The aim of this program is to provide a base of future leaders for the United States who understand less-familiar languages and cultures.

The following students are NSEP scholars:

• Joseph Bodell, a junior in Eastern Europe and Russia area studies, will study history, politics and language in Macedonia, at the University of Ss. Kiril and Metodij.

• Kevin Cunagin, an economics junior, will study language, culture and economics in Poland at Adam Mickiewicz University.

• Malaya Fletcher, a senior in microbiology, will travel to the University of the Philippines to study public health and Filipino culture, as well as the Tagalog language.

• Jonathan Hovander, a political science junior, is going to Romania to become fluent in the Romanian language and to study the people and politics.

• Meagan King, a senior in Slavic languages and literature, will take intensive Russian and Tatar language instruction in Russia, at Kazan State University.

• Timothy Lee, Jr., a political science junior, will study language, history and international relations in Korea, at Yonsei University.

• Devin Mauney, a sophomore in economics, will study in Brazil, taking classes in Portuguese as well as economics, political science and international relations.

• Daniel McEwan, a junior in world religions, is going to Jordan to become fluent in Arabic, and to study literature and Muslim culture.

• Elizabeth Miller, a junior in government and art history, and Shaina Niedermeier, junior in international relations, will study language, politics and history in Albania, at the University of Tirana.

• Chris Person, a mathematics sophomore, and Nicole Rennell, junior in international health, are going to South Africa to study the Xhosa language. Both also will perform service, with Person acting as a math tutor and Rennell working in a public health clinic.

• Christopher Stiles, a junior in Chinese languages and literature, will study language and culture in Taiwan, at National Taiwan University.

• Charles Strauber, a sophomore in English and biochemistry, will study the Hindi language in India, as well as international development.

• Shirlene Yee, a sophomore in political science and international relations, is going to China to study the Mandarin language, as well as Chinese culture and history.

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

Decision Theater connects communities, science to make a difference

By John Skinner

ASU President Michael Crow had a vision for a new type of visualization center, one focused on connecting the science of the university with the needs of the Arizona community. Two years after opening its doors, the Decision Theater has made the vision a reality.

Crow's vision called for taking the cutting-edge computer science and graphics expertise of ASU and creating a visualization center that would particularly benefit policy-makers faced with increasingly complex decisions. He hoped these leaders would find a home at the Decision Theater where they could take advantage of visualization, simulation and modeling, and collaboration tools all aimed at helping users to find solutions.

The 21-person, multidisciplinary team, led by the Decision Theater's executive director, Rick Shangraw, has undertaken more than 20 projects in support of a variety of government and commercial clients. These projects have helped policy-makers, business leaders and others explore issues ranging from the environment and education to health and community development.

"Through our services, our clients can experience a more comprehensive way of addressing issues," Shangraw says. "They generally come to us with a lot of complex information from different sources, and they ask us to integrate that data, to fuse it in a way that allows everyone to look at the information in a more understandable form."

Using state-of-the-art technology, this information is displayed on a large, 260-degree screen, which gives participants a common frame of reference for exploring issues. This common picture, Decision Theater staff members say, is worth way more than a thousand words. It's worth millions.

Shangraw points to the city of Tempe as one example of how this type of visualization has helped policy-makers. The Decision Theater created a three-dimensional, geographically accurate model of the city, which includes yellow buildings representing structures that are planned, proposed, or under construction. City officials have been able to use this model to better understand how the character of Tempe could change in light of the construction, and also as a tool to help set height restrictions for buildings in various parts of the city.

"The mayor told us the detailed visualization allowed city officials to make a decision in hours versus days or months," Shangraw says. "They were able to 'see' a changing city on our immersive screens as we took them on a virtual flying tour."

Clients also benefit from simulation and modeling tools. For example, the Decision Theater recently completed an elaborate model for Scottsdale Unified School District, which allowed district officials to see annual enrollment projections to the year 2030. Scottsdale School leaders immediately saw the value.

"The Decision Theater helped us to better see the future in terms of potential student enrollment at all of our schools," says John Baracy, the district's superintendent. "I'm impressed with the talent and tools that were put to use in support of the Scottsdale Unified School District. This study – this analysis – is now part of the foundation for our planning efforts."

Collaboration is another important tool used at the Decision Theater to help clients explore issues more thoroughly and ultimately make more informed decisions. For example, officials in communities such as Surprise have used the Decision Theater's collaboration tools to help address how they want to grow. Using a Decision Theater facilitator, participants anonymously and collectively ensure all points of view are heard or read, understood and discussed. This tool is generally combined with other Decision Theater tools for maximum impact.

Surprise's planning and community director, Scott Chesney, believes these tools are making a difference.

"Impacts of growth management decisions are hard to visualize, and the Decision Theater is making that possible for our commissioners and councilors," Chesney says.

Shangraw is quick to point out that, while the initial vision may have been achieved, that vision has continued to evolve.

"We know Decision Theater capabilities are making a difference in Arizona," he says. "We also know the issues we're helping address here, such as urban growth, transportation and water resource management, are not unique to Arizona. We see great potential to assist others in developing Decision Theater-like facilities in communities around the nation and world. Better decisions mean a better world."

ASU officials are in preliminary discussions with individuals in China, the Middle East, Washington, D.C., and Seattle who are considering building similar facilities.

Skinner, with the Decision Theater, can be reached at (480) 727-9229 or john.skinner@asu.edu.

Open house set for May 23

In recognition of the Decision Theater's second anniversary May 23, an open house will take place that day from 1-3 p.m. for ASU community members. The Decision Theater is located in the Brickyard in Tempe. For a map, and for more information about the Decision Theater, visit the Web site www.decisiontheater.org.

Bacon, Lederman named new deans

(Continued from page 1)

ies between disciplines to overcome constraints of the past. That's happening here, and it's happening fast."

The College of Liberal Arts and Sciences is the university's largest and most diverse college with 30 schools, departments and programs, and 28 research centers and institutes. It was reconfigured in the summer of 2004 into three divisions, in part to maintain the breadth and interdisciplinary opportunities across arts and sciences, while providing a functional model for administration. Each of the divisions is led by a dean.

Additionally, as part of the reorganization this winter, Alan Artibise, dean of the Division of Social Sciences, was appointed executive dean of the college, a newly created position to shoulder a good deal of the college's day-to-day management. Artibise also is executive director of the Institute for Social Science Research (ISSR) and a professor of political science.

Lederman will assume the duties of dean of the Division of Social Sciences May 15. Bacon was named dean of the Division of Natural Sciences and Mathematics in February. The college's other division – Humanities – is under the leadership of dean Deborah Losse.

In addition to being the largest college at ASU, the College of Liberal Arts and Sciences is also one of the largest liberal arts and sciences colleges in the country. With some 13,000 undergraduate students, nearly 3,000 graduate students and almost 3,000 faculty and staff, including 725 tenured/tenure track faculty, the college offers more than 100 degrees in its three divisions.

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

Bacon's latest appointment builds on leadership expertise

By Carol Hughes

Professor Sid Bacon is an auditory psychophysicist – a hearing scientist – and the new dean of the Division of Natural Sciences and Mathematics in ASU's College of Liberal Arts and Sciences.

His appointment as dean of the college's largest division is the latest leadership role held by Bacon since coming to ASU in 1988 as an associate professor in the Department of Speech and Hearing Science. Bacon served as director of the interdisciplinary doctoral program in the department, and later as acting chair and then chair. This past December, he was tapped to serve as interim dean of the Division of Natural Sciences and Mathematics, a position recently made permanent.

"Sid has a quiet way of pulling together people to identify and accomplish goals. Under his leadership as chair of the Department of Speech and Hearing Science, research expenditures more than doubled in the past two years," says Quentin Wheeler, ASU vice president and dean of the College of Liberal Arts and Sciences.

As chair, Bacon headed a department of 12 tenured and tenure-track faculty who oversaw $3.4 million in research expenditures. He also coordinated and taught an undergraduate research seminar in the Department of Speech and Hearing Science – something he will continue to do. This program identifies and nurtures talented juniors with the goal of maintaining a pipeline of researchers and teaching faculty in the field, Bacon says.

In his new role as dean of the Division of Natural Sciences and Mathematics, Bacon will manage nine academic units, including the School of Earth and Space Exploration, the School of Life Sciences, the School of Materials, and the departments of chemistry and biochemistry, kinesiology, mathematics and statistics, physics, psychology, and speech and hearing science.

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

Lederman to lead 14 academic units beginning May 15

By Carol Hughes

Understanding human beings and human behavior is a central theme of contemporary times, says Linda Costigan Lederman, who, on May 15, becomes the dean of the Division of Social Sciences in ASU's College of Liberal Arts and Sciences.

"That's the importance of social sciences – understanding the individual in relation to others in the context of cultures and societies," says Lederman, director of the Institute for Social Science Research at ASU and a professor of health communication in the Hugh Downs School of Human Communication.

Lederman came to ASU in January 2006 from Rutgers University. In August, she was selected as the founding director of the Institute for Social Science Research, a position she will continue to hold. Lederman will take the reins for the Division of Social Science from Alan Artibise, who was named executive dean of the college last December. Artibise also is the executive director of the Institute for Social Science Research, a role he will continue.

In her role as dean of the Division of Social Sciences, Lederman will manage 14 academic units, including the School of Geographical Sciences, the School of Global Studies, the Hugh Downs School of Human Communication, the School of Human Evolution and Social Change, the School of Justice and Social Inquiry and the School of Social and Family Dynamics; and the departments of political science and transborder studies. Additionally, the division includes six programs: aerospace studies, military science studies, African and African-American studies, American Indian studies, Asian Pacific-American studies, and women and gender studies.

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

In BRIEF

Paper adjusts print schedule for summer

With the end of the spring semester, *ASU Insight* will follow an every-other-week publishing schedule for the summer.

The planned dates for *ASU Insight* to be published during the summer include May 25, June 8, June 22, July 6, July 20, Aug. 3 and Aug. 17.

The Aug. 17 issue will mark the return to a weekly publishing schedule for the paper.

Summer parking upgrades start May 15

ASU Parking and Transit Services will offer summer parking upgrades beginning May 15. Those who wish to park in a desired parking structure or lot for the summer months can exchange their current permit for a summer placard, based on availability. Because of scheduled summer maintenance, upgrades will not be offered for Parking Structures 1, 2 or 3.

To upgrade, decal holders should bring their parking permits, their gate access card (if applicable), photo identification and payment to the PTS Decal Sales office, located in University Towers. Summer placards are valid until Aug. 15.

Faculty, staff and students are eligible to upgrade their parking locations beginning on the following days:

- Faculty: May 15.
- Staff: May 16.
- Students: May 17.

For more information, call the PTS Decal Sales office at (480) 965-6124.

Intercampus shuttle routes set for summer

ASU's Parking and Transit Services officials have announced intercampus shuttle service between the Tempe campus and each of the other three campuses during the summer. The Polytechnic and West campus shuttles will run every two hours, while the Downtown Phoenix campus shuttle will offer hourly service throughout the summer months.

The summer schedule will be in effect May 29-Aug. 3.

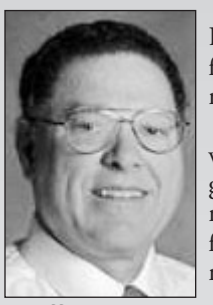
Summer shuttle service to the Polytechnic campus has been available since 2002, transporting passengers twice each weekday. This summer marks an increase in service frequency for the Polytechnic shuttle, and the first time all three shuttle routes will operate during the summer sessions.

These enhanced hours of operation are one of the many improvements that have been made in the year since implementing the Parking and Transit Task Force recommendations. The task force report called for a raise in parking decal rates and the installation of a tiered pricing system. The additional funds have been used to improve transit services for the ASU community, including extended hours of operation for the FLASH routes on campus, as well as the continuation of the ASU U-Pass program, which grants free, unlimited access to all Valley Metro routes for students, faculty and staff.

For complete intercampus shuttle schedules, visit the PTS Web site www.asu.edu/pts.

Biodesign Institute welcomes Darbut

ASU's Biodesign Institute has announced Jeffrey Darbut as director of finance and operations. Darbut brings 30 years of business experience and financial acumen to the institute.



Jeffrey Darbut

Darbut will oversee many aspects of the Biodesign Institute's operations, including finance, human resources, facilities, security and health, and safety.

"Jeff comes to the Biodesign Institute with an extensive management background," says Michael Tracy, deputy director of the institute. "His expertise in financial strategy and process improvements will be a great asset to us."

Before this appointment, Darbut was a partner with Tatum LLC, a national financial consulting firm. He has worked in finance, program management, business development, strategy and compliance for such companies as SPX Corp., Parker-Hannifin Corp. and Honeywell International.

Darbut is a director at two privately held companies: SoundQuest Inc., a medical device company, and Knittle Inc., a property management services organization. He is a member of the Financial Executives Institute, the Institute of Management Accountants, Finance Leaders Association, and the ASU Alumni Association. He earned a bachelor's degree in accounting from the University of Pittsburgh and a master's degree in business administration from ASU.

ASU community earns thanks from Mildcats

Mildcats, ASU's feral-cat rescue group, wishes to thank the university community for donating 272 pounds of cat food during the spring food drive.

Mildcats feeds feral cats at several campus locations, and the group's members trap and neuter cats that are too wild to live in homes. Those cats that can be placed are socialized and put up for adoption.

Mildcats invites new members to join its ranks. Dues are $10 per year. For more information, go to the Web site www.mildcatsatasu.org.

2 doctoral students awarded fellowships

School of Life Sciences' doctoral students Angela Picco and Nathan Morehouse have been awarded dissertation fellowships by the Division of Graduate Studies (DGS).

Picco, who works with professor James Collins, is studying human-mediated transport and emerging infectious diseases, and their potential role in native species declines, with particular focus on the commercial movement of amphibians, such as the tiger salamander.

The flexibility of the award also gives Picco the time and opportunity to pursue a number of related collaborative research projects, such as a study of amphibian pathogens in market bullfrogs sold for food, and a pathogen survey in the declining amphibian populations of the Sierra Nevada in California.

Ultimately, Picco would like to develop management strategies and work within a regulatory agency, such as the EPA.

Morehouse's dissertation fellowship will support his research into the evolution of sexual dichromatism in butterfly wing coloration, and examine the roles of nitrogen limitation and sexual signaling. His work borrows heavily from fields as disparate as optics, biochemistry, nutrient physiology, evolutionary biology, herbivore ecology, quantitative genetics and animal behavior, and will link two previously distinct bodies of literature – sexual selection and life history theory, and ecology and ecological stoichiometry – with the potential to provide novel insights to both.

The DGS fellowship enables Morehouse to spend his last year in the program focused on data analysis and the publication of his research results.

Life imitates art for College of Design class

For the past 15 years, students taking the Design Rhetoric (GRA 345) course in the College of Design have been designing new entrance monuments for the town of Paradise Valley at the end of each semester. Until this year, it's been a hypothetical exercise in proposal development, combining strategic writing skills and graphic design, complete with timetables, budgets and a mock-up of a design for the markers.

Course instructor Jim Veihdeffer happened to notice a news brief in February from the town soliciting proposals for a series of new entrance markers that would become the new town standard. The old markers are about 20 years old and need to be replaced.

"As it happened, the Design Rhetoric class has been using this very project as a class assignment for more than 15 years," Veihdeffer says. "When I learned that the town was putting out a request for proposals, I called the town engineering manager in charge of the project and explained what we were doing."

Veihdeffer says that he found out April 13 that the ASU team had been selected.

Research center gets regents' designation

The Center for Health Information & Research (CHIR) has been designated an official ASU research center by the Arizona Board of Regents.

CHIR is a part of the School of Computing and Informatics (SCI) in the Ira A. Fulton School of Engineering. The center has a multidisciplinary emphasis that includes the study of health care, clinical quality, occupational illness and injury and the economics of health care. CHIR also is the home of Arizona HealthQuery, a health and health care data warehouse developed through the ongoing cooperation of ASU and more than 65 organizations within Arizona.

The approval of CHIR as a university-sanctioned research center acknowledges the intellectual contribution and societal benefits that stem from the use of CHIR's empirical data. It is directed by William G. Johnson, a professor in SCI's Department of Biomedical Informatics.

Design of new prosthesis takes step forward at ASU

(Continued from page 1)

required for gait. Thus, less energy is required from the individual."

The team is the first to apply regenerative kinetics to design a lightweight prosthetic device. Others are using large motors combined with harmonic drives, a monopropellant or extremely high-pressure oil.

Sugar's team already has proof that SPARKy is working. In recent experiments with able-bodied subjects outfitted with a robotic ankle orthosis, or a powered-assist device, the researchers found that the spring and motor combination was able to amplify the motor power by threefold. This significant finding allows SPARKy to be downsized from a 6- to 7- kilogram motor system to a 1-kilogram (2.2 pound) system, which is significant weight savings for those who wear a prosthesis.

"We expect this device to revolutionize prosthetics, and it will be especially helpful for military personnel wounded in active duty," Hitt says.

The project is a multiphased effort led by ASU's Human Machine Integration Lab, Arise Prosthetics and Robotics Group Inc. Arise Prosthetics is helping in the fitting of the device, and Robotics Group Inc. is designing embedded processors and motor amplifiers.

The first phase of SPARKy featuring the robotic tendon is expected to be ready for demonstration in December.

"I will know it is successful when a wounded solider is able to walk using the device on a treadmill," says Sugar about this phase.

The project will culminate with the functionality to support daily walking, which is expected in 2009.

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

Law school grad makes tenacity her trademark

(Continued from page 1)

"I didn't want to tell my parents I was in bad shape," she says. "I walked around, trying to find jobs, because I didn't have a car, and I would sleep a lot so that I didn't feel hungry."

In February 2002, Tandy began work in a department store's call center and later worked as a law firm's receptionist. She used both experiences to improve her English. She also discovered the public library, where she checked out books to learn more. Tandy eventually took the LSAT on a dare – friends thought it would be an accurate measure of her fluency – which she passed, and she then was accepted to the Sandra Day O'Connor College of Law.

Professor Michael Berch, whom Tandy approached for admissions help, says he was struck by her applications' personal statement. It communicated the shocking details of life in Colombia, and her determination not to let it define who she is.

"She's overcome more than most," Berch says. "She's from a place where people were murdered. She didn't know English, she comes to law school – and now she's got a job at one of the leading Phoenix law firms."

Tandy will join the civil litigation section of Quarles & Brady, but her heart is in criminal defense. She volunteered more than 150 hours to the Arizona Justice Project, initially translating for clients' families and later assigned to two capital cases.

"I don't like the idea of judging people right away without knowing what happened to them," says Tandy, 27. "Sometimes they have been abused, their families are dysfunctional, and that didn't give them justification (to commit crimes), but they deserve the chance to be represented in the way of everyone else."

That sense of justice came from her father, whose killer was never found, Tandy says.

"My dad always said, 'You treat everybody right, everybody equally, no matter what they do,' " she says.

Tandy, who earned pro bono distinction at the law school, also did an externship with Arizona Court of Appeals Judge Donn Kessler. It never was apparent that English wasn't Tandy's first language, Kessler says.

"She was one of the outstanding picks," he says. "She dove right into it. Her work was so good that we gave her a case, and a law clerk did some supervision. She did a wonderful job."

Tandy is establishing a scholarship in her name, a $3,000 annual diversity award to first- or second-generation immigrants. She says she is sad to leave law school.

"I liked feeling like I was part of a community or part of something in this country," Tandy says. "I didn't feel as 'homeless,' I guess."

She will spend some time this summer in Colombia, the second such visit since her father died. Landing at the airport, adjacent to the cemetery where he is buried, will be difficult because he always met her at the door with orchids and daisies. This time, she will take flowers to his grave, and they will be his favorite: red carnations.

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

Law graduates pledge gift

The Class of 2007 at ASU's Sandra Day O'Connor College of Law left a lasting mark on its school upon graduating May 11.

Through the efforts of the 2007 Gift Committee, the class raised nearly $42,000 in gift pledges, according to the College's Department of Development. In addition, professor Michael Berch has donated $5,000 to the class.

The funds will support several scholarships and projects, including the Douglas Eckhardt Award, Student Plaza, the Center for the Study of Law, Science & Technology, and the newly formed Victoria Tandy Award. Tandy is funding an award of $1,500 per semester to be given to first- or second-generation immigrants attending the Sandra Day O'Connor College of Law. Tandy, a 2007 graduate, is an immigrant from Colombia.

The gift committee comprised students Jan Johnson, Kolby Granville, Mark Lightner, Shelly Tolman and Tandy.

Research team comes up with new insight into mechanism of photosynthesis

(Continued from page 1)

Allen and I looked at one of our mutants and thought our spectrometer was broken," Woodbury says. "That mutant turned out to be the first of a long series of mutations that systematically altered the energy of the initial reaction."

Since then, Woodbury and colleagues have managed to shed light on an amazing process that provides Earth's primary power source.

The research team includes lead author Haiyu Wang (Biodesign Institute); Su Lin (Biodesign Institute); James Allen (ASU Department of Chemistry and Biochemistry); JoAnn Williams (ASU Department of Chemistry and Biochemistry); and Sean Blankert and Christa Laser (Biodesign Institute).

To get a closer look at what was happening during photosynthesis, the team used a well-studied, purple, photosynthetic bacterium called *Rhodobacter sphaeroides.* This type of organism likely was one of the earliest photosynthetic bacteria to evolve. The researchers focused their efforts by studying the center stage of photosynthesis, the reaction center, where light energy is funneled into specialized chlorophyll-binding proteins.

The textbook picture of photosynthesis represents the reaction center proteins as a scaffold, holding chlorophyll molecules at a highly optimized distance and orientation so that electrons can hop from one chlorophyll to another. With the chlorophylls in just the right position, any systematic protein movement was thought to be merely a side product of electrons shuttling between chlorophyll molecules.

Woodbury and his colleagues tried to uncover more of the physical mechanism driving photosynthesis by creating mutants that would theoretically "tweak" the electron transfer relationships between molecules in the reaction center.

"After years of failure trying to break the system by changing the energetics, we were left with the nagging question of how it continued to work so well," says Woodbury, a professor of chemistry and biochemistry and director of Biodesign's Center for Bio-Optical Nanotechnology.

The researchers started to inch closer to an answer when Wang, a postdoctoral research associate in Woodbury's lab, noticed something in common with all of the different mutants. When using a new model based on reaction-diffusion kinetics, Wang saw that the curves representing how fast electrons moved in the reaction center had a similar shape.

"He decided that there must be some sort of underlying physical principle involved," Woodbury says.

Not many research groups are equipped to measure the early events in photosynthesis because of the extremely short timescale, which is similar to the amount of time it takes a supercomputer to carry out a single flop. Wang was able to use the ultrafast laser facility (funded by the National Science Foundation), which acts like a high-speed motion picture camera that can capture data from these lightning-fast reactions.

"He tried a really hard experiment, and he was actually able to measure the protein motion and match it to electron transfer," Woodbury says.

This discovery helped the researchers understand why changing the energetics didn't knock out photosynthesis.

The movement of the reaction center proteins during photosynthesis allows the plant or bacteria to harness light energy efficiently, even if conditions aren't optimal. So, while Woodbury and colleagues made it difficult for photosynthesis to work, the proteins were able to compensate by moving and energetically guiding the electrons through their biological circuit.

According to Woodbury, the reaction center proteins work for electrons in a way similar to how a slow-moving elevator with no doors would work for people. The electrons are able to get off at the spot that they need to because the protein motion adjusts the energetics until it is just right. Even if the elevator starts a little too high or low (initial energies are not optimal), the people (electrons) can still get off on the right floor.

This way of representing the electron transfer process captured the contribution of the protein movements to the rate of the reaction. The scientists then were able to quantitatively model the effect of the mutations on the initial rate of photosynthetic electron transfer and answer questions that had been haunting them for 20 years.

The answers may be good news for the development of organic solar cells, which have been of commercial interest because of their relatively low cost compared to traditional silicon solar cells.

"Some of the problems that you have with the organic photovoltaics arise from the fact that they don't work under all of the conditions you want them to," Woodbury says.

The robustness of the natural system may offer some useful lessons for engineers trying to improve on current technologies. Woodbury proposed that there might be a way to increase the flexibility of the system used in organic solar cells by incorporating solvents that move on a variety of time scales that could "tune" the molecules to work in a wider variety of conditions.

Woodbury also expects that this new research will help move the study of photosynthesis forward.

"It's changed the way I look at how photosynthesis works and has opened up a whole set of new questions," he says.

Jenk, with the Biodesign Institute, can be reached at (480) 727-7371 or daniel.jenk@asu.edu.

EMPLOYMENT

The following positions are available as of Jan. 24 and are subject to change. All positions will be advertised in *Insight* only once. Staff Requisition or Job Order number for each position is indicated by the (#) sign. ASU is an equal opportunity/affirmative action employer.

ASU POSITIONS

A complete job announcement for classified, administrative and service professional positions at the Tempe, East and downtown Phoenix campuses is available on the Human Resources Web page at (www.asu.edu/asujobs), or the Telecommunication Device for the Deaf at (480) 965-3002. Announcements for West campus openings are available on the West Human Resources Web page (http://www.jobsatasu.com) and on the West Dial-a-Job Hotline at (602) 543-5627.

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

Dates listed are application deadlines and application material is due by 11:59 p.m. on that date. Positions are 100% FTE unless otherwise noted. Codes below are: (O) – position is open to the public; (L) – position is limited to current ASU, NAU, U/A, and AZ Board of Regents employees.

STAFF POSITIONS

TEMPE CAMPUS

Professional

Business Systems Analyst (O) #11040 – University Business Services (May 18).
Business Manager, Senior (O) #11045 – Parking and Transit Services (May 25).
Buyer Associate (O) #11049 – University Business Services-Purchasing and Business Services (May 18).
Accountant (O) #11039 – W. P. Carey School of Business-MBA Programs (May 18).
Career Program Coordinator, Senior (O) #10994 – W. P. Carey School of Business (May 18).
Academic Specialist (O) #11060 – College of Liberal Arts and Sciences (May 18).
Accountant (O) #11032 – W. P. Carey School of Business-MBA Programs (May 18).
Development Officer, Senior (O) #11038 – W. P. Carey School of Business-External Affairs (May 25).
Specialist (O) #11062 – VP Research and Economic Affairs (May 23).
Management Analyst, Senior (O) #11041 – University Services, Business Operations (May 18).
Education Policy Management Intern (part-time) (O) #11059 – Office of the President (May 18).
Management Analyst, Senior (O) #11041 – University Services, Business Operations (May 18).

Technical and computer

Animal Technician (O) #10587 – Animal Care Technologies (initial close date Feb. 26; every week thereafter until search is closed).

Administrative support

Office Specialist, Senior (O) #11037 – Public Events, Wells Fargo Arena Office (May 18).
Administrative Associate (O) #11000 – University Student Initiatives, Multicultural Student Services (May 18).
Secretary (O) #11047 – Barrett, the Honors College (May 18).
Student Academic Specialist (O) #11029 – W. P. Carey School of Business, Advertising (May 25).
Sales Assistant (part-time, temporary) (O) #10306 – Intercollegiate Athletics Administration (initial close date Jan. 10; every week thereafter until search is closed).

Service/field craft/maintenance

Groundskeeper Lead (O) #11008 – University Services, Grounds Services (May 18).
Event Attendant (part-time) (O) #11035 – Public Events-Gammage (May 18).
Utility Piping Specialist, Fire Protection Pipe Fitter (O) #10991 – University Services, Plumbing Services (May 18).
Event Attendant, Sr.-Usher/Ticket Taker, Senior (part-time/Seasonal) (O) #10478 – Intercollegiate Athletics, Athletic Operations and Facilities (initial close date Feb. 7; every week thereafter until search is closed).
Event Attendant, Senior (part-time) (O) #11036 – Public Events-Gammage (May 18).
Electrician (O) #11055 – University Services, Electrical Services (May 18).

DOWNTOWN CAMPUS

Professional

Tech Support Analyst Assistant (O) #11067 – University Technology Office (May 21).

ACADEMIC POSITIONS

TEMPE CAMPUS

Faculty

Lecturer – Mechanical and Aerospace Engineering #8905 – Fulton School of Engineering (May 25; every Friday thereafter until search closed).

@ASU

Events are free, unless otherwise noted. Items in the "Exhibitions" section run at exhibit opening and on the first of each month only. Building abbreviations are listed according to the official ASU phone directory. Send information to Judith Smith at (jps@asu.edu) or fax (480) 965-3465. For information about ASU events, visit the Web at (http://events.asu.edu).

Meetings

Tuesday, May 15

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

Lectures

Friday, May 11

"The Phoenix School and 21st Century Urban Governance," 4-5 p.m., University Center suite 822A conference room, 41 N. Central Ave., Phoenix. Speakers: John Hall, School of Public Affairs faculty, and Cathy Eden, director, School of Public Affairs Executive Programs. Sponsored by the School of Public Affairs. Information: (602) 496-0450.

Wednesday, May 16

"400 Years of Immigration: America 1607 to 2007," noon-1 p.m., Mercado,Downtown Phoenix campus. Speaker: Brian Gratton, professor of History, ASU. Gratton will explore ethnicities, popular reaction and policy during four major periods of immigration. R.S.V.P.: (480) 727-5266.

Friday, May 18

"Forbidding Science: Are There Things We Just Shouldn't Know?" 5:30-6:30 p.m., Arizona Science Center, 600 E. Washington St., Phoenix. Speakers: Daniel Sarewitz, professor, School of Life Sciences and director, Consortium for Science, Policy and Outcomes, and Roy Curtis III, professor, School of Life Sciences and director, Infectious Disease and Vaccinology, Biodesign Institute. The May Science Café is sponsored by the School of Life Sciences. Free admission to the café, and reduced tickets to "Body Works Exhibit." Information: at (480) 965-7074.

Tuesday, May 22

"Enhance Your Wellness and Take Charge of Your Health With Natural Alternatives," noon-1 p.m., Mercado, Downtown Phoenix campus. Panel: natural healing experts Victoria Mogilner, Trish Devitt and Bill Thomason. R.S.V.P.: (480) 727-5266.

Miscellaneous

Sunday, May 13

Mother's Day Brunch, 10 a.m.-2 p.m., University Club. Price: $28 adults, $14 children under 12. Reservations are required no later than May 11: (480) 965-0702.

Thursday, May 17

School of Music Piano Sale, 9 a.m.-9 p.m., Music Building (MUSIC). Pianos are discounted below in-store prices and carry full warrantees. Sale continues 9 a.m.-9 p.m., May 18-20. Information: (480) 727-6770.

Thursday, May 24

May Career Mixer, 4 – 5:30 p.m., Memorial Union (MU) Union Stage 085. Sponsored by Career Services. Information: (480) 965-2350.

Entertainment

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

Saturday, May 12

The Choralaires of Phoenix, Scottsdale Community College Trombone Choir, Dream Street., 3 p.m., ASU Kerr Cultural Center, Scottsdale. On the program: pop, spirituals, gospel, patriotic music and show tunes.**

Friday, May 18

International Museum Day, 9 a.m.-4 p.m., various locations on Tempe campus. Nine venues and the ASU Planetarium will offer guided tours or presentations. Information: www.asu.edu/museums.

Wednesday, May 23

Exhibits@Noon, noon-1 p.m. Touch a meteorite and learn about where they come from at the ASU Center for Meteorite Studies. The tour is sponsored by the ASU Museums, Galleries and Collections Committee. Information: www.asu.edu/museums.

Exhibitions

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

Through May 20, 'Dispatches," includes a 75-word dispatch sent by Greg Melikian, a member of the Army Signal Corps in 1945, announcing "the unconditional surrender of all German land, sea and air forces in Europe to the Allied Expeditionary Force and simultaneously to the Soviet High Command." Melikian, owner of the historic San Carlos Hotel in downtown Phoenix, donated these and other dispatches in honor of V-E Day.

Arizona State Credit Union — 9 a.m.-5 p.m., Monday-Friday. Memorial Union, Lower Level. Information: (602) 644-4786.

Through May 31, "TheWorld Within: Visualizing Biology of the Cell." As a professor of cell biology and bioimaging in the School of Life Sciences at ASU, Robby Roberson uses light and electron microscopes to document the internal motion and three-dimensional order of cells. He has compiled a series of images from light and electron microscopes that demonstrate the complexity and simplicity of cells. Emphasis is placed on global structures within cells, as well as localizations of specific components using computer-generated colors and three-dimensional imaging to communicate spatial and temporal perspectives.

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

Through May 12, "Connivences: Stefan de Jaeger/Stéphane Janssen." Contemporary art collector and ASU Art Museum supporter Stéphane Janssen met photographer Stefan de Jaeger in 1983 and commissioned him to make portraits of friends, family and major artists in the Janssen collection. De Jaeger's collaged-Polaroid compositions capture the individuals and their personal environments in dynamic tableaux. This exhibition presents nearly 40 works by de Jaeger.

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

Through June 17, MesaArt League: Mixed media.

The Galleria — 7:30 a.m.-6 p.m., Monday-Friday, located in Mercado Building C, 502 E. Monroe St., Phoenix. Information: (480) 965-3046.

Through May 31, "Conditionalism..Not Guilty: Selected Works by Aaron Wilder" "Conditionalism," Aaron Wilder's artistic movement "is not a style. It is not a type of subject matter, application or medium. It is a collection of ideologies that apologizes to no one. … It is not guilty," the artist says.

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

Through May 18, "Legacies ofWar." The exhibit is dedicated to the history, healing and hope of Laotians and the Lao Diaspora who were affected by the U.S. bombings of Laos during the 1960s and 1970s. It seeks to educate, advocate and raise public awareness about the long-term impact of the war through the use of personal artwork, archival and contemporary photography, recorded interviews and film.

Through May 18, "PrinceSomsanith: Art of the Lao Royal Court." Prince Nithakhong Somsanith, who is a French educated medical doctor, is one of the last gold thread embroiderers in the ancient tradition of the court of Luang Prabang. In addition to embroidery, the prince is a graduate of the Institute of Visual Arts in L'Universite de Sorbonne, where he studied painting. He also will be exhibiting some of his works that depict various temples in Laos as well as genre scenes of monks and village life in Laos.

Opens May 21, "FROM FLAT TO PHAT: New Dimensions in Printmaking." Two M.F.A. students in ASU's internationally respected printmaking area co-curated an exhibition featuring print-related works from emerging artists. Initially hosted by Kansas City's Arts Incubator, FF2P will by hosted locally by ASU's Gallery 100. Reception: 7-9 p.m., May 21. May 26-June 8 by appointment only. Please call (480) 326-9132 to set up appointments. Information: (480) 965-2380.

Noble Library Science and Engineering Library Atrium — 7 a.m.-midnight, Monday-Thursday; 7 a.m.-7 p.m,, Friday; 9 a.m.-5 p.m,, Saturday; 10 a.m.-midnight, Sunday. Information: (480) 965-7607.

Spring/Summer, "The Ira A. Fulton School of Engineering: Celebrating Its Golden Anniversary and Developing the Entrepreneurial Engineer of the 21st Century." How do you make a golf ball that goes faster and farther than ever before? The study of how golf balls are designed is one part of this exhibit, which highlights research and the history of the Ira A. Fulton School of Engineering as it celebrates its 50th birthday.

Kadohata's family accounts help tell story of WWII internment camp

By Judith Smith

At a dinner party last year, someone gave author Cynthia Kadohata an article about a newly discovered film from the Poston Internment Camp in Arizona.

Needless to say, she was intrigued. Her father, Toshiro Kadohata, and her aunt, Motoya, had been sent to the camp as teenagers, and her new book, "Weedflower," which was chosen as the 2007 OneBookAZ book for children, is about a 12-year-old girl whose family was sent to Poston.

Kadohata finally had a chance to see the film at the Arizona Historical Foundation (AHS) in Hayden Library when she was in town for the Arizona Book Festival.

The film, which dates to 1942, is part of the W. Wade Head Collection at the Arizona Historical Foundation in Hayden Library. Head was director of Poston from 1942 to 1944.

The first half of the film, whose soundtrack has deteriorated to silence, is devoted to scenes of almost frantic construction, as contractor Del Webb's 5,000-member construction crew sawed wood, poured foundations, nailed boards and installed utilities.

The film continues with scenes of Japanese-Americans arriving at Poston, many wearing what appears to be their Sunday best, and shots of life in the hot, dusty desert camp.

Kadohata said she regretted not having seen the film before she wrote "Weedflower," notes Linda Whitaker, AHS archivist, who helped conduct the author's ASU visit.

"She said it would have helped her visualize the environment better," Whitaker says. "Instead, she had to rely on firsthand accounts and background reading.

"The film made her feel like an eyewitness to the situation as it unfolded, from the construction to the first arrivals. Also, she was moved by the images of the children who are prominently featured in the film."

More than 110,000 Japanese and Japanese American citizens, 62 percent of whom were U.S. citizens, were forcibly moved from the West Coast during World War II to the "war relocation camps" in remote parts of the United States.

"Many were given less than a week to sell everything before being taken to the camps," Whitaker says. "Many were well-established professors, artists and businessmen."

Kadohata's father was born in Costa Mesa, Calif., to tenant farmers. Her father did not like to talk about Poston.

"He always said that nobody was interested in the camps," Kadohata says.

Her father was drafted out of the camp into the Army Military Intelligence Service, while her aunt worked outside camp as a maid.

Kadohata says she wanted to write "Weedflower" (the Japanese farmers' name for stock, one of the flowers they grew) partially to let people know how the people in Poston cultivated the land."

"To me, it was amazing that the internees made such a huge effort to turn their desert community into a homelike environment," she says. "One quote I read from the time was by a Caucasian man, who said he saw some of the most beautiful gardens he'd ever seen at Poston."

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

TOM STORY PHOTO

Cynthia Kadohata's book, "Weedflower," about a girl whose family was sent to a Japanese internment camp, is partly based on firsthand accounts from Kadohata's mother.