ASU ‘leads the pack’ in U.S. News ranking

By Sharon Keeler

Arizona State University is ranked fifth among 77 colleges and universities that are “leading the pack in improvements and innovative changes.”

For the second year in a row, ASU has been named as one of the “schools everyone should be watching” in U.S. News and World Report’s edition of “America’s Best Colleges.” The ranking of “Top Up-and-Coming Schools” is based on the peer assessment of college presidents, provosts and admission deans.

Additionally, ASU for the third year in a row is ranked one of the “Best National Universities,” ranking 121, the same spot as last year. There are more than 4,000 colleges and universities in the country and U.S. News surveyed approximately 5,500 for its rankings.

“The U.S. News rankings affirm that ASU is moving in a positive direction on all fronts,” ASU President Michael Crow says. “The university has welcomed more qualified Arizona students and continued to be one of the best universities in the nation, proving that accessibility and excellence can go hand-in-hand.”

“Overall college rankings tend to vary little from one year to the next,” says University Public Schools Inc. (UPSI) executive director Bill Twohig. “But the trend is evident: the way in innovative change that benefits students in vast ways,” says Elizabeth D. Capaldi, ASU’s executive vice president and provost. In addition, ASU’s W.P. Carey School of Business is ranked 31 among best undergraduate business programs at schools whose highest degree is a doctorate. The Ira A. Fulton Schools of Engineering are ranked 40 among best undergraduate engineering programs at schools whose highest degree is a doctorate.

The exclusive rankings will be published in the magazine’s September issue and is available online at http://www.usnews.com/
colleges.

Keeler, with Media Relations, can be reached at (480) 965-4012 or sharon.keeler@asu.edu.

$1.28M grant to support American Indian teachers

By Matt Crum

Arizona State University’s successful Professional Development School Excellence Network through Educational Technolog (PDS-TENET) program is an offshoot of the Professional Development School (PDS) program that supports urban schools — is helping rural school districts in American Indian communities to “grow their own” elementary school and middle school teachers through the expanded support of a three-year, $1.28 million grant from the U.S. Department of Education Indian Education Programs.

An initiative of ASU’s College of Teacher Education and Leadership, the program brings high-quality university coursework to future teachers in the Chinle Unified School District in the Navajo Nation and the Sells-based Indian Oasis-BabToyaviqviq United School District to the Tohono O’odham Nation. Through the recently awarded grant, the program will add more support services in Chinle and Sells, Ariz., to help local residents achieve a bachelor’s degree and teacher certification.

“Receiving this grant will enable us to make an outstanding program even better,” says Michelle Rieja, the project director for the new PDS-TENET-WIN grant (WIN stands for “with Indian Nations”). “Through the WIN component, we can reach out to recruit and support Native American community college students and help ensure they are prepared to enter and succeed in the program.”

The WIN grant will add academic advisors in Chinle and Sells who are familiar with Diné College or Tohono O’odham Community College coursework, transfer agreements and ASU prerequisites.

(See GRANT on page 7)

Efforts earn ASU ‘Military Friendly School’ distinction

By Sharon Keeler

Arizona State University has been selected by G.I. Jobs magazine as a “Military Friendly School for 2010.” The list honors the top 15 percent of colleges, universities and trade schools that are doing the most to embrace America’s veterans as students.

ASU is the only public university in Arizona to make the list, compiled from a poll of more than 7,000 schools across the country.

The magazine’s criteria included efforts to recruit and retain military and veteran students, results in recruiting military and veteran students, academic accreditations, and additional benefits to student veterans such as on-campus veterans programs, credit for service and military spouse programs among others.

ASU’s Veterans Services Office helps prospective and enrolled student veterans coordinate their finances and get the support they need through GI Bill funding and the Yellow Ribbon program. ASU’s office also administers the Survivors and Dependents Educational Assistance Program and helps veterans with other issues such as military activation while enrolled in school.

(See MILITARY on page 7)
Support center serves first-generation college students

By Matt Crum

It is a source of academic and personal support for first-generation students at Arizona State University's West campus. The TRiO Academic Achievement Center offers free tutoring, career counseling, mentoring, learning skills workshops, mentoring, social activities and more.

Irvin, who received the TRIO Program scholarship, is a first-generation student who transferred to ASU from Maryvale High School and is pre-engineering. “Beyond the help with things like study skills, what TRIO really has given me is confidence,” Irvin says.

“Part of having confidence is knowing when and where to look for help,” Smith says. “Because many TRIO students are first-generation college students, they can’t rely on family members to help them navigate the university system. So in addition to the many services we offer in the TRIO Academic Achievement Center, we also help students make connections with other offices on campus that can offer them support and assistance.”

The West campus TRIO office is now accepting applications from ASU students who were enrolled at least half-time during the 2009/10 academic year. For more information, call (602) 543-8121, visit west.asu.edu/romo or email TRiO Academic Achievement Center in Room 220 of the University Center Building. Cron, with Public Affairs at the West campus, can be reached at (602) 543-5209 or matthew.mcrush@asu.edu.

ASU prepares campus community for flu season

By Matt Crum

Along the opportunity to grow intellectually and make new friends, students at Arizona State University’s West campus have a new space in the University Center Building to call their own as the 2009-2010 academic year begins. The Devils’ Den student lounge and patio includes a Jamba Juice, student meeting rooms and an improved 4,200-square-foot outdoor lounge area with a small stage and dance space. The 2,000-square-foot outdoor patio includes a water feature and a large fan that will help keep temperatures comfortable during the warmer months.

“We’re extremely pleased to offer our students additional space where they can gather, converse, work, and relax and make connections with each other,” says Charles L. Pounds, director of Campus Health Services at ASU.

“The primary message from both the Centers for Disease Control and Prevention (CDC) and from the Arizona Department of Health Services is if a widespread flu virus outbreak occurs, there are antiviral medications available to treat the flu, but there are no vaccines available,” says Jeri Pounds, the facility’s manager.

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ASU Insight is published by Media Rela- tions/Alumni Relations at Arizona State University. ASU Insight is published on Fridays and other times as deemed necessary by the editorial board. Submit items, photos, or news releases to reach asu.insight@asu.edu, fax (480) 965-2159 or send campus mail to 5011 - ASU Insight. To reach ASU Insight by telephone, call (480) 965-9689.

Deadline for submission of news items and calendar items as early as possible. Deadline is Friday before noon for the following Friday’s print edition.

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Communications Manager: Lisa Campbell

Editor/Publisher: Mindy Mills

Photographer: Tom Story

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Blood drive offers students, staff opportunity to be heroes

By Judith Smith

There are approximately 80,000 heroes on Arizona State University’s campuses. Of potential heroes, though, there are none more unheralded than Maricopa Blood Drive personnel. Because of ASU’s concentration of people, and its ready supply of young, healthy bodies, the need for United Blood Services (UBS) is great.

According to United Blood Services, anyone who gives a pint of blood is a hero. Blood occurs in eight types – O, A, B and AB, in positive and negative types. According to United Blood Services, anyone who gives a pint of blood in eight weeks, a person may give as often as every eight weeks.

Until the mid-1900s, blood was transfused exactly as it was collected – one pint for one patient. Today, blood can be broken down into four components: red blood cells, platelets, plasma and cryoprecipitate.

"Though the blood can be separated, we don’t get four components from one donation," says Nancy Linder, director of United Blood Services. "Many factors determine the number of components, including blood type and current hospital transfusion needs.

Each component has a designated use: red blood cells for surgery patients, premature babies and accident victims; platelets for cancer and leukemia patients; plasma for burns and shock patients; and cryoprecipitate for hemophiliacs.

Many people do not know their blood type, Witsen says. Those who don’t know their blood type can get checked for free at select United Blood Drive stations.

Blood occurs in eight types – O, A, B and AB, positive and negative versions. The most common blood type is O+, which occurs in 37 percent of the population. The most rare is AB-, which is found in just 1 percent of the population.

The most versatile blood is 0+, which can be transfused to all blood types, positive or negative.

Patients with the blood type AB+ are at the other end of the spectrum, since they can receive donations of any blood type.

People who want to give blood, provided they meet certain height and weight requirements. The process takes about an hour, and sterile equipment is used, so there is no need to worry about catching a disease. Because body cells replace the donated blood within three to four weeks, and checks and balances, as well as resources to test specifically about the courts, including for "Supreme Decision."

According to UBS, someone in the United States receives a blood transfusion every two seconds, and one out of every five hospital patients needs blood.

As a thank you for donating, UBS will enter the name of all donors in a drawing for 62 pairs of tickets to the Arizona Diamondbacks game Aug. 21.

Witsen encourages the public to donate blood now. "Forgive us for being a bit self-centered," she says. "But we need your help. We’re the only line of defense that the blood donor has. You give us the blood, we take care of the patients."

The Web site also includes many free, helpful tools for teachers, including lesson plans on the branches of government, state governments and checks and balances, as well as resources to teach specifically about the courts, including for "Supreme Decision."

Eduardo and Sandra Day O’Connor, a science education professor. "They’re trying to be conservative," says Witsen. "But we need your help. We’re the only line of defense that the blood donor has. You give us the blood, we take care of the patients."

The Arizona Department of Commerce. "They should tell us an incredible amount about climate change. But they are not interested," she says. "They’re trying to be conservative," says Witsen. "But we need your help. We’re the only line of defense that the blood donor has. You give us the blood, we take care of the patients."

Of course, there is a bottom to this curve. "They’re trying to be conservative," says Witsen. "But we need your help. We’re the only line of defense that the blood donor has. You give us the blood, we take care of the patients."

One aspect that has changed is that people don’t have a lot of savings. "They’re not willing to call the market collapse," she says. "We’re looking for a bottom." Arizona Republic, Aug. 21.

Investment banks have been repackaging old mortgage securities and offering to sell them as new products, as a way out from under the bad debt and risky mortgages that have derailed the financial markets. But the plan is nearly identical to the complicated investment packages that helped cause the market’s collapse. "There is a little bit of deja vu in this," says economic professor Herbert Kaufman. But Kaufman says the Federal Reserve could help solve the lingering problem of what to do about hundreds of billions of dollars in assets that are still owed and the system and making bankers reluctant to make new loans. New York Times, Aug. 21.

The National Science Teachers Association released the results of an informal survey of its members yesterday that might be surprising to some who view science education. "Quality teaching is the single most important factor in boosting student achievement," says Julie Laflin, a science education professor. "When teachers are given the professional development opportunities they need, in particular, students who are in poorer schools, need blood.

According to United Blood Services (UBS), someone in the United States receives a blood transfusion every two seconds, and one out of every five hospital patients needs blood. ASU’s concentration of people, and its ready supply of young, healthy bodies, means that the need for United Blood Services (UBS) is great.

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

Meetings

Thursday, Sept. 3
Welcome Barh Breakfast, 7:30-9 a.m., Memorial Union Arizona Ballroom (211). Sponsored by University Senate. Speaker: Terry Fredrick, professor of communication, School of Media & journalism. Part of the Conversations @11 series. Information: (480) 965-2787.

Thursday, Sept. 10
Town Hall Meeting, 2-3 p.m., Classroom Lab/Computer Classroom (CLCC) room 110. West campus. Discussion will be held with ASU President Michael Crow about the budget crisis and ASU’s future. Information: (480) 965-2976.

Friday, Aug. 28

Tuesday, Sept. 1
"New Methods of Diagnosis and Treatment of Cancer: Through the Fascinating World of Radiology," 2-3 p.m., Fulton Center, 6th Floor Board Room. Speaker: Eric VanSonsonberg, professor Emeritus of Medicine, University of Arizona. Sponsored by Emeritus College. Information: (480) 965-9002.

Wednesday, Sept. 2

Tuesday, Sept. 8

Tuesday, Sept. 11
ASU Science Lecture, 2-3 p.m., Life Sciences Center (LS) room 104. Speaker: Tapan M. Hale, assistant professor, Department of Basic Medical Sciences, The University of Arizona College of Medicine-Phoenix in partnership with Arizona State University. Sponsored by Life Sciences Information: (480) 965-3957. ASU science lecture series. Information: http://chemistry.asu.edu/seminar/seminar.asp.

Friday, Sept. 11
Annual American Red Cross Blood Drive, 10 a.m.-1:30 p.m., 601 E. 5th St., Tempe. Sponsored by Tempe Chamber of Commerce and ASU Alumni Association. Tickets: $60 ($600 table of 10). Reservations: (480) 967-7891 or info@tempechamber.org.

Saturday, Aug. 29
Campus Clean-Up, 7 a.m.-3 p.m., Tempe campus. Meet at Organic Garden on east side of Science Buildings. Sponsored by ASU Clean & Beautiful. Information: (480) 965-0701.

Saturday, Sept. 5
Tailgate Buffet, 5-7:30 p.m., University Club, prior to ASU vs. Idaho State game. Cost: $15. R.S.V.P. (480) 965-0701.

Lectures

Friday, Aug. 28
"Fish as a Tool to Monitor Hematological Malignancies," 2-2:30 p.m., Life Sciences Center (LS) room 210. Speaker: Carlos Tiritio, University of Texas Southwestern Medical Center, Dallas. Sponsored by School of Life Sciences. Information: barb.hoffman@asu.edu.

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Conference

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Miscellaneous

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ASU POSITIONS

Positions are available in various departments, divisions, and college offices. Applicants are encouraged to apply, as positions are advertised for a period of 12 months. Applications will be accepted until the position is filled or the recruitment is cancelled. Applications are being accepted for the following positions:

Employment

Position: Clinical Professor

Department: School of Medicine

Date: Available

Salary: $86,000 – $97,000

Applications will be accepted until the position is filled.

Position: Assistant Professor

Department: School of Medicine

Date: Available

Salary: $86,000 – $97,000

Applications will be accepted until the position is filled.

Position: Visiting Assistant Professor

Department: School of Medicine

Date: Available

Salary: $86,000 – $97,000

Applications will be accepted until the position is filled.

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Department: School of Medicine

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5 years later, archivists complete extensive Goldwater collection

By Judith Smith

Barry M. Goldwater, Arizona’s five-term senator, was a true desert pack rat. He saved everything that passed through his hands, from campaign materials to family photos.

Box after box of Goldwater items arrived at the Arizona Historical Foundation in Hayden Library, from Goldwa ter’s run for the Senate in the early 1950s until his death in 1998.

This was a good—and bad—thing for the Arizona His torical Foundation (AHF). The bad part was that the AHF ended up with a mountain of materials to process into its collection—and not enough help to do it.

“The 1970s, the AHF placed an ad in the local paper recruiting people to sort the material,” says Linda Whitta ker, an archivist. “The Junior League of Phoenix sent 24 housewives to help organize the collection. They faded into the sunset and were replaced by other workers. By 2004, what had been the end product of all those attempts to organize the collection.”

In other words, it was still a jumble of papers, pictures and personal memorabilia. Still a mess.

Since all efforts to put a dent in the mountain had failed, the current AHF staff—Whitaker, Susan Irwin and Rehkeb Tahab (who joined the effort in 2006)—found themselves face-to-face with all those remaining piles of boxes.

For the past five years, they have been going through the boxes, searching for parts of the collection that had already been scattered throughout the AHF holdings, preparing archival boxes, preserving photographs and digitizing microfilm.

Finally, on July 22, they celebrated a milestone: The processing of “The Personal and Political Papers of Senator Barry M. Goldwater” was complete.

That was a monumental task in no doubt, first because the collection is extensive, and second, because of its enormity and variety.

“Political and Congressional collections are notorious for their bulk and complexity,” Whitaker says. “Most Congressional collections cover 3,000 boxes. They are often unprocessed. That’s a philosophical stand we made early on.”

Whitaker says that was not a problem at ASU. “Traditionally, you never make a collection available on the collection, in full view of all visitors. “I wanted to own control over the collection, in full view of all those remaining piles of boxes.”

For the past five years, the AHF staff has had to contend with the twin problems of organizing and preserving the material and at the same time, giving researchers from all over the world access to the collection.

“Traditionally, you never make a collection available until it’s done,” says Susan Irwin, the acting director of the AHF. “But we make our material available processed or unprocessed. That’s a philosophical stand we made early on.”

Archivists prided on letting people use—or even see—materials that are unprocessed because of the fear of theft. But Whitaker says that was not a problem at ASU.

Whitaker even sat in the AHF’s reading room to work on the collection, in full view of all visitors. “I wanted to demystify what we do,” she says. “How, what archivists do is hidden.”

The job of organizing the vast collection was made somewhat easier because Whitaker, Tahab—who is a photo archivist—and Irwin had specific guidelines to follow.

“There is a national standard for processing these materi als,” Whitaker says. “In some cases, we had to undo all the previous efforts.”

Goldwater’s materials are in demand because “he spans a very important time,” Whitaker says. “Research topics include Indians, water use, aviation, civil rights and presiden tial elections.”

But Goldwater the politician had another side, one that made organizing the collection so enjoyable, Tahab notes. “He was charming and witty and in demand for tele vison shows by people such as Jay Leno, Dinah Shore and Art Linkletter,” Tahab says. “He had celebrity status and he even appeared on ‘Laugh-In.’”

There are tapes of many of these shows, such as Gold wa ter’s first years in the Senate in the early 1950s until his death in 1998.

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that a self-selecting career path requiring a passion for solving “big puzzles.”

Goldwater established the AHF in 1959 as a repository for his family photos and historical materials, as well as his political papers and memorabilia.

“He wanted Bert Freeman, the first director of the AHF, to write his family history,” Whitaker says. “Freeman worked on it until his death in 1980, and Dean Smith finished it.”

During the past five years, the AHF staff has had to contend with the twin problems of organizing and preserving the material and, at the same time, giving researchers from all over the world access to the collection.

“Our adult learners participate for the health of our local community,” says Patricia Feldman, the associate vice provost for ASU’s Extended Learning.

“Lifelong Learning is offering ‘off-campus’ courses through a return partnership with the Phoenix Art Museum that includes a five-part workshop that considers the history and merits of creating art inside a studio, rather than outside, that begins in November. Adults also partners with adult communities such as City Art Museum and the Phoenix Art Museum.”

According to ASU’s Osher Lifelong Learning Institute reached a milestone last year when it celebrated the completion of the Goldwai ter’s 100th birthday and the 50th anniversary of AHF, the foundation is planning a conference Nov. 3-15 at the University Club titled “Celebrating 50 Years of AHF.”

The event will feature presentations by “some of the best and brightest of the young scholars who have used this collection,” says Whitaker.

“The collection is a national treasure distinguished by its Arizona territorial materials, family pioneering documents, photos, manuscripts and political and photographic documentation of a long, eventful life,” Whitaker says.

She is certain that Goldwater would be happy with the results of the last five-plus years.

“When Barry Goldwater founded the Arizona Historical Foundation nearly 50 years ago, the last thing he would have expected is to find his papers in disarray,” she says.

For more information about the collection and the conference, visit the Web site http://www.ahfweb.org/index. html.

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

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Learning communities offer Valley residents access to university

By Stephen Des Georges

Baby boomers (age 50 and up) and retirees are exercising their brains these days in ASU’s Lifelong Learning classes throughout the Valley. Sure, they have their golf, swimming, clubs and cards, but now they also have a wide selection of university-quality lectures, workshops and short courses specifically designed to pro vide mentally stimulating experiences in a learning community of peers.

Thanks to funding from the Bernard Osher Foundation, ASU’s Lifelong Learning Institute will provide more than 100 affordable learning opportunities this fall. Registration is now underway in classes that vary in length, from one 90-minute session to a series of four or five weekly workshops.

Participants can choose from dozens of topics to explore in jazz and music topics, learn to drive, sit and discuss Hispanic history or take an historical tour of Mt. Lincoln’s war, Hellenis tic civilization or our local Hohokam set tles; explore timely topics such as President Obama’s first-year performance, net worth and stock market decline, America’s destiny and geopolitical updates; develop conversational language skills; and explore a multitude of topics in the arts, film, world religions, architecture and dance.

Locations for fall 2009 classes include ASU West and Polytechnic campuses, Sun City West and the Tempe Public Library through its Tempe Connections programming. Membership is $55 per semester, while course fees range from $10 to $15 per course. Additionally, a wide variety on non-credit short courses are being offered through December. Information and class schedules are available online at http:// lifelonglearning.asu.edu or by calling (602) 543-6440.

Past participants rave about their classes and instructors. As one student put it: “It’s the best kept secret on the planet.” But it’s not staying a secret for long. ASU’s Osher Lifelong Learning Institute reached a milestone last year, exceeding the 1,000 annual enrollment mark. Nationwide, this number is reflected in more than 70,000 Osher Institute adult learners who are pursuing a passion of discovering a new interest in college or university-sponsored programs. Within the Other Network, ASU is proud to be one of 18 institutions awarded a per manent endowment to support and sustain its programs.

“Our adult learners participate for the joy of learning,” says Patricia Feldman, the associate vice provost for ASU’s Extended Campus. “They appreciate having access to and sharing the resources of our vibrant university. And they bring a wealth of knowledge and experience to the classroom. Our students will learn a great deal from each other.”

“We feel very strongly that through lifelong learning opportunities, we are contributing to the health of our adult population by providing the intellectual stimulation they need, deserve and expect from university programs.”

— Patricia Feldman, associate vice provost for ASU’s Extended Campus

Adult learners are not shy. One of the goals of the institute’s programs is to provide an opportunity for socialization and new friendships along with shared interests and lifestyles.

“We feel very strongly that through lifelong learning opportunities, we are contributing to the health of our adult population by providing the intellectual stimulation that they need, deserve and expect from university programs in a fun and relaxed environment,” adds Feldman.

In addition to the four classroom loca tions, Lifelong Learning is offering “off campus” courses through a returning part nership with the Phoenix Art Museum that includes a five-part workshop that considers the history and merits of creating art inside a studio, rather than outside, that begins in November. Adults also partners with adult communities such as Sun City Festival and Sun City Anthem Merrill Ranch. Institute membership is open to adult learners of all educational backgrounds, age 50 or older.

For more information about the conference, visit the Web site http://lifelonglearning.asu.edu, or call the Life long Learning offices at ASU’s West cam pus, (602) 543-6440.

Des Georges, with Public Affairs at the West campus, can be reached at (602) 543-5220 or stephen.desgeorges@asu.edu.
Barbara Knowles’ long list of professional accomplishments can be traced back to a pivotal night course in genetics in 1962. “Genetics is a fascinating subject, always changing,” says Knowles, an ASU alumna. “While I was working in Glendale and living in Tempe with my graduate student husband, I took a graduate night course at ASU taught by Charles Woolf. He was a very good teacher. After a few weeks into the night course with him, he asked whether I would like to go to graduate school and work with him on an interesting problem on the edge of development and cancer. I accepted, and this gave me an excellent start on a life in science.” Knowles’ degrees in zoology with Woolf, now a professor emeritus from the School of Life Sciences, in the Department of Molecular and Cellular Arts and Sciences, launched a career that has taken her from the University of California at Berkeley during the 1967 “Summer of Love” to Yong Loo Lin School of Medicine, National University in Singapore in 2008 – with stops along the way to the Wistar Institute and the University of Pennsylvania, as well as the Jackson Laboratory, in Maine. Knowles now is a senior principal investigator with the Institute of Medical Biology, an agency funded by the A*STAR Graduate Academy. She continues as an adjunct faculty member with the Jackson Laboratory, in Maine, serving as an outside member with the Max Plank Society in Germany. Knowles also serves on the editorial board of the journals Hydrodynamics and Stem Cells and the advisory boards at RIKEN, Japan and the University of Pennsylvania School of Medicine. Knowles will add one more title to her impressive achievements when the returns to ASU as the first recipient of the School of Life Sciences Distinguished Alumni Award in 2008. Former mentor Woolf says: “There is no one more deserving of this award than Barbara.” Fond remembrances of Knowles’ ASU graduate school days include rattlesnake hunting, running trap lines for coyotes, and endless memories of “weeks of counting Drosophila eggs every 12 hours.” It was this latter remembrance to her research that elevated Knowles to a chairmanship at the Wistar Institute and research directorships at both the Jackson Laboratory and the Scripps Research Institute. “Students live in the School of Life Sciences for their studies in genetics, and this will allow them that freedom.”

### Distinguished alumnus reprograms STEM career, stem cells

By Margaret Coulombe

Barbara Knowles’ long list of professional accomplishments can be traced back to a pivotal night course in genetics in 1962. “Genetics is a fascinating subject, always changing,” says Knowles, an ASU alumna. “While I was working in Glendale and living in Tempe with my graduate student husband, I took a graduate night course at ASU taught by Charles Woolf. He was a very good teacher. After a few weeks into the night course with him, he asked whether I would like to go to graduate school and work with him on an interesting problem on the edge of development and cancer. I accepted, and this gave me an excellent start on a life in science.” Knowles’ degrees in zoology with Woolf, now a professor emeritus from the School of Life Sciences in the Department of Molecular and Cellular Arts and Sciences, launched a career that has taken her from the University of California at Berkeley during the 1967 “Summer of Love” to Yong Loo Lin School of Medicine, National University in Singapore in 2008 – with stops along the way to the Wistar Institute and the University of Pennsylvania, as well as the Jackson Laboratory, in Maine. Knowles now is a senior principal investigator with the Institute of Medical Biology, an agency funded by the A*STAR Graduate Academy. She continues as an adjunct faculty member with the Jackson Laboratory, in Maine, serving as an outside member with the Max Plank Society in Germany. Knowles also serves on the editorial board of the journals Hydrodynamics and Stem Cells and the advisory boards at RIKEN, Japan and the University of Pennsylvania School of Medicine. Knowles will add one more title to her impressive achievements when the returns to ASU as the first recipient of the School of Life Sciences Distinguished Alumni Award in 2008. Former mentor Woolf says: “There is no one more deserving of this award than Barbara.” Fond remembrances of Knowles’ ASU graduate school days include rattlesnake hunting, running trap lines for coyotes, and endless memories of “weeks of counting Drosophila eggs every 12 hours.” It was this latter remembrance to her research that elevated Knowles to a chairmanship at the Wistar Institute and research directorships at both the Jackson Laboratory and the Scripps Research Institute. “Students live in the School of Life Sciences for their studies in genetics, and this will allow them that freedom.”

The presentation, scheduled for Sept. 11, will frame the issue of climate equity within a global context, but focus on how this impacts the indigenous peoples. Indigenous peoples have been identified as “vulnerable groups” within the discussions on climate change, and it is projected that many indigenous peoples will experience relocation and destruction of their traditional lifestyles. This grim reality poses a unique set of challenges for all governments, and also features the opportunity to examine the legal and ethical duties that might arise from these challenges. Tsosie also teaches in the areas of In- dian law, property, bioethics and critical race theory, as well as international indigenous peoples in international indigenous rights and in the college’s Tribal Policy, Law and Governance Master of Laws program.

Professor to speak on family detention panel

Evelyn Cruz, an associate clinical professor and the director of the Sandra Day O’Connor College of Law’s Immigration Law & Policy Clinic, will speak on a panel requested by the American Civil Liberties Union of Arizona next month. The clinic she directs represents unaccompanied immigrant children. The presentation, scheduled for Sept. 11, will frame the issue of climate equity within a global context, but focus on how this impacts the indigenous peoples. Indigenous peoples have been identified as “vulnerable groups” within the discussions on climate change, and it is projected that many indigenous peoples will experience relocation and destruction of their traditional lifestyles. This grim reality poses a unique set of challenges for all governments, and also features the opportunity to examine the legal and ethical duties that might arise from these challenges. Tsosie also teaches in the areas of Indian law, property, bioethics and critical race theory, as well as international indigenous peoples in international indigenous rights and in the college’s Tribal Policy, Law and Governance Master of Laws program.

More information on the film is available online at http://theleastofthese-film.com. To attend, RSVP to Mary Luu-Peretz at mluu-peretz@asu.edu or (623) 585-1854, ext. 107.

Professor to speak on climate equity

Rebecca Tsosie, the executive director of the Indian Legal Program at the Sandra Day O’Connor College of Law, will speak next month on “Indigenous Peoples and Global Climate Change: Intercultural Models of Climate Equity” at the Knight Law Center at the University of Oregon School of Law.

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Grant enhances teacher prep in Native communities

(Continued from page 1)
Advisers will work with potential PDS students to confirm that the student meets the program’s admission requirements. Collaboration with both community colleges will ensure that required prerequisite coursework is offered in the evening, to meet the needs of working adults.

“The grant also enables us to provide support to potential and current students in skill areas such as math, writing, and test-taking,” says Colleen Maldonado, the project evaluator for the WIN grant. “There are many talented potential teachers who possess strong intellectual capabilities, yet need additional help between their math, writing and/or test-taking skills. Because there is ongoing tutorial support in these areas, WIN benefits not only potential PDS students, but current students who need to pass Arizona’s standardized teacher certification exam before they can receive their teaching certificates.”

Students in the rural PDS program, some of whom work as teacher’s aides in the Chinle and Indian Oasis-Balooqairi districts, take evening classes at school sites in their communities. Some of the program’s classes are offered through interactive video-conference technology. The program also immerses future teachers in the school setting, providing three times the amount of hands-on, practical classroom experience as traditional teacher education programs.

“There is a severe shortage of American Indian teachers in Arizona, especially in elementary school districts with high American Indian enrollment,” says Franklin Elliott, the coordinator for the Chinle PDS site. “PDS is playing a critical role in developing outstanding Native teachers to serve as role models for children in our community’s schools. And the program’s location is ideal for adults in rural areas who cannot relocate to a larger metropolitan area to earn their teaching degrees. I view this program as helping to put education back in the hands of the local community.”

“The success of the program to date is an historic achievement for the Chinle Unified School District and ASU, and we are pleased to know that the WIN grant will provide additional support to help students succeed in the program,” says Jesus de la Garza, the superintendent for the Chinle Unified School District. Seventeen students in the first PDS cohort in Chinle received their ASU elementary education degrees in December 2007.

“Our partnership with the College of Teacher Education and Leadership has truly been mutually beneficial. The College is providing comprehensive assistance with regard to instruction, professional development, student and support services, and evaluation,” de la Garza says.

The WIN grant has another important benefit in that it provides students a living wage during student teaching, according to Sonia Saenz, the coordinator for the Sells PDS site.

“The two Tohono O’odham teacher’s aides we currently have in our PDS program work two jobs to meet family needs,” Saenz says. “They will have to stop working when they enter the student teaching period. Many Tohono O’odham members cannot afford to stop working completely, and this is a factor that keeps them from furthering their education. The WIN grant provides them with a new stepping stone.”

Eligible participants in the WIN grant program are individuals who are considered to be Native American or American Indian, as defined by their tribal nation. Over the course of the three-year grant, 48 students will receive assistance through PDS-TENET-WIN.

ASU’s College of Teacher Education and Leadership launched the Professional Development School program in Phoenix in 2000. In 2006 PDS was expanded from metropolitan Phoenix to Arizona communities including Chinle, Douglas and Sells. A program was added in San Luis in 2008, and PDS has already produced 35 new graduates outside of metro Phoenix, with another 53 students currently enrolled.

The College of Teacher Education and Leadership administers teacher preparation programs offered across all of ASU’s campuses including Downtown Phoenix, Polytechnic, Tempe and West, as well as partner school districts throughout Arizona.

Gomez, with the Office of University Initiatives, can be reached at (480) 965-0335 or samantha.l.miller@asu.edu.

Military veterans find opportunity, receive support at ASU

(Continued from page 1)
Veterans Upward Bound Program provides instruction and advising to veterans beginning college or returning to college, or pursuing a GED.

The university also participates as a member of the Servicemembers Opportunity Colleges (SOC), which includes more than 1,750 colleges and universities providing postsecondary education to members of the military worldwide. Recognizing the unique nature of the military lifestyle, ASU is committed to easing the transfer of relevant course credits earned from regionally accredited schools and offers a portfolio of online and degree completion bachelor’s and master’s degrees suited to the needs of service members.

This list is especially important because the recently enacted Post-9/11 GI Bill has given veterans virtually unlimited financial means to go to school, says Rich McGregor, the publisher of G.I. Jobs. "Veterans can now enroll in any school, provided they’re academically qualified. So schools are clamoring for them like never before. Veterans need a trusted friend to help them decide where to get education. The Military Friendly Schools list is that trusted friend." A new Web site – www.militaryfriendly-schools.com – will launch in September with interactive tools and search functionality to assist military veterans in choosing schools that best meet their educational needs.

The list is available online at http://www.militaryfriendly-schools.com/pr09.aspx.

Kadie, with Media Relations, can be reached at (480) 965-4012 or sharon.keeler@asu.edu.

ASU’s youngest students begin inaugural year at downtown public school

(Continued from page 1)
achievement through innovation in public schools. UPS opened its first campus, the Polytechnic Elementary School in Mesa, in August 2008.

“We want the ‘excelling’ label,” says Debra Gomez, the executive director of UPSI. The “excelling” label is the highest rank an Arizona school can achieve. A ranking, Gomez is quick to point out, that Polytechnic Elementary received during its first year.

“We teach differently here,” she says. “We have a different philosophy and that will really help our students succeed.”

With a research-based curriculum focused on innovation in education, the schools have rigorous science and math instruction, teach critical-thinking skills and use teaching methodologies that integrate the latest technologies. This is all part of creating a pathway that leads students to postsecondary education.

But teaching differently doesn’t end with a focus on research-based educational practices. It also includes a focus on the needs of each individual student.

“For every one of our students has his or her own individual learning plan,” Gomez says. These plans are based on months of gathering data on students and meetings with parents and teachers. The result is an educational map that fits the unique and changing needs of every student and draws a clear path to academic success.

“What’s going on here is really exciting,” says Art Lohowitz, the former assistant superintendent of Phoenix Union High School. He volunteered to be around and answer questions on the first day of school, and says he was glad to be part of opening-day festivities. “Everyone is happy and eager to be here. It’s a great energy”. From the smell of fresh paint that lingers in the halls to the shiny new sneakers on students’ feet to the brightly colored balloons and welcome signs, it’s an energy felt throughout the school.

“It’s great for ASU to have such a presence in the community,” says Sylvia Nogueron, a graduate student in ASU’s Curriculum and Instruction program who also volunteered on the first day. Nogueron says ASU’s partnership with the public school system is a great way to introduce local students to the university and to the possibility of continuing their education past high school.

“We’re so good for them to know that the university doesn’t have to be a foreign place,” she says.

Leigh Miller, with the Office of University Initiatives, can be reached at (480) 965-6355 or sammie.l.miller@asu.edu.
Community art classes engage aspiring artists

By Wendy Craft

The Herberger Institute Community School for Design and the Arts, which is currently enrolling aspiring artists for its fall sessions, offers a variety of classes for both adults and children. A fall schedule of educational workshops will be held. Special focus will be on art, dance, drama, and music. All classes are open to all ages and abilities. Pre-registration is required. For more information, call 727-0700 or visit the Web site http://community-school.asu.edu.

In life science class, the message is in the movies

By Judith Smith

The movies are part of his class, Bioethics in Film (Bioethics BIO394 and HPS394). During the fall semester, which is themed "The Brain," Robert will show the films to his class, each dealing with a different theme. The course's theme will be "Dying and Death." A discussion follows each film.

For the fourth year, Jason Robert, the Franca Oreffice Dean's Distinguished Professor in the Life Sciences, is turning his classroom into a movie theater during the fall and spring semesters, and the public is invited. Films are selected based on recommendations from students and colleagues. Robert says the fall semester films were mostly chosen by Jenny Brian, a doctoral candidate in the Bioethics, Policy and Law Foundations from students and colleagues.

Robert says the fall semester films were mostly chosen by Jenny Brian, a doctoral candidate in the Bioethics, Policy and Law Foundations. As the Bioethics in Film class begins, Robert will screen three films to kick off the term with an introduction to the course. The movies will be screened weekly on Thursdays in the Life Sciences Center, rooms E-306, on the Tempe campus. For more information, contact Jessica Ranney, (480) 965-8927 or jessica.ranney@asu.edu, or visit http://cbs.asu.edu.

People of all ages can sign up for community arts classes, offered by the Herberger Institute Community School for Design and the Arts.

AsPU pHoto

In "Weather's Greatest Mysteries Solved!" Cerveny takes the reader on a fascinating tour of some of the world's most perplexing and proclamative climate mysteries, past and present. They range from widespread calamities, such as what caused the Mayan civilization to collapse, to more local weather phenomena, such as intense microbursts that can down an airplane.

Cerveny draws a parallel to what may be the single most paradoxical mystery of all: how human life was nearly wiped out 73,000 years ago, and details the factors that contributed to the great mystery of the Tambora Volcano. Cerveny says, "It has been said that those who forget the past are doomed to repeat it." He says, "If we don't understand how the past and present weather and climate changes that people have -- and are -- experiencing.

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