

asu magazine

December 2012 volume 16 number 2



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STEM education closes the science gap

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A healing partnership

ASU, Mayo Clinic reshape the future of health care



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President's Letter

This has been a busy year for the university, the Alumni Association, and Sun Devil alumni worldwide. Healthcare is one area in which ASU is rapidly expanding its research and scholarship in order to meet an array of challenges. Encouraging health and wellness today depends heavily on advances in science, technology and policy, and ASU is a thought leader in each of these areas.

Last issue, we inaugurated a year-long series of stories on ASU's involvement in health-related issues with a story on research focused on biomarkers. This issue, we provide a comprehensive look at the university partnership with the Mayo organization. ASU's relationship with Mayo is a complex collaboration, involving many schools and colleges. ASU faculty and Mayo health professionals are working on projects as diverse as proton beam therapy and metabolic biology to on-site training for ASU nursing students at Mayo's Arizona facility and healing interventions for Mayo clients by ASU-trained poets and writers.

You can read all of the stories as they are published at magazine.asu.edu/health.

The Alumni Association was active this fall, celebrating Head Coach Todd Graham's first year at the helm of Sun Devil football with Sparky's Touchdown Tailgates and game-watching tailgate parties at locations across the country.

We honored ASU's finest football alums at our Legends Luncheon in October, when we celebrated the nearly 200 Sun Devils who have competed in the National Football League. This event was part of our Homecoming week activities, where we highlight a specific aspect of ASU's legendary football program each year. We also participated in the Homecoming parade and block party, which had the theme of "the Golden Decade" – recognizing ASU's achievements from 2002 to 2012. We honored several alums also with our Homecoming Awards. To see a recap and photos from Homecoming and Legends Luncheon, visit alumni.asu.edu/events/homecoming.

Another accomplishment for our organization during the year has been the launching of an expanded online presence for ASU Magazine at magazine.asu.edu and a free ASU Magazine application for users of the iPad. Both allow us to bring you additional content beyond the print edition, as well as share the content you find here in new ways.

As the year calendar draws to a close, we hope you have a wonderful holiday season. Membership in the ASU Alumni Association makes a great gift for the Sun Devils in your life, and it also may provide you with an end-of-the-year tax deduction! We hope 2013 brings nothing but the best for you and your family. Go Devils!

Christine K. Wilkinson, '66 B.A.E., '76 Ph.D.
President, ASU Alumni Association
Senior Vice President and Secretary of the University



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Something unusual is happening at ASU. Computerized monkey telepathy? Microbes that eat pollution? Empathetic robots? The university is home to many unorthodox, boundary-pushing projects, and as ASU President Michael M. Crow is fond of saying, you can't have a better future without better dreams. A new initiative, kicked off by the Emerge conference this March, hopes to provide the seed-bed for those innovative "dreams" that can lead to a better future.

32 A healing partnership

A decade ago, ASU President Michael M. Crow and Victor Trastek, M.D., then the CEO of Mayo Clinic in Arizona, were both new in town. They decided to meet. On a napkin, they mapped out how their organizations might work together. Ten years later, those initial ideas have grown far beyond their initial vision; ASU and the Mayo Clinic have created joint programs relating not only to health care itself, but initiatives involving just about anything that focuses on keeping people healthy.



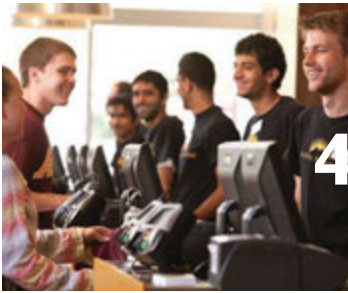
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ASU sends 100th baseball player to the major leagues; discovering the spirit animating Sun Devil "super fans"; sports updates on wrestling, swimming, gymnastics and more.

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Photography Professor Mark Klett returns to the scene of historic sites and provides an update through "rephotography," a fascinating way to study the intersection of culture, landscape and time. Plus, new books by alumni, staff and faculty in Shelf Improvement.



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STEMming the tide

Although the United States has been a world leader in research and technology, its students score only near the median in international science and math tests, and the country is not training enough scientists and engineers to stay in the lead. ASU has become a national leader in developing programs aimed at increasing interest in science, technology, engineering and math (STEM) among primary and secondary school students.



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Science as it happens

ISTB 4 building
pushes
boundaries
of exploration



Photo by: Bill Timmerman

The recently opened Interdisciplinary Science and Technology Building IV (ISTB4) is now the largest research facility in the history of Arizona State University. The 293,000-square-foot facility provides flexible laboratories with adjoining workspace for the Ira A. Fulton Schools of Engineering and the School of Earth and Space Exploration.

ASU's newest science building – the Interdisciplinary Science and Technology Building IV (ISTB 4), on the Tempe campus – is designed to advance research and discovery, and to encourage children to explore their futures as scientists and engineers. The building will do this through a mixture of high-tech labs, interactive environments and open spaces that allow the public to witness research and technology advancement as it happens.

The formal opening of ISTB 4 was on Sept. 19.

The seven-story, 293,000-square-foot building is designed to provide flexible laboratories for ASU's School of Earth and Space Exploration (SESE), ASU's Security and Defense Systems Initiative, and research laboratories and centers of the Ira A. Fulton Schools of Engineering.

The building provides ample laboratory space –166 lab modules with wet and dry labs and a rooftop laboratory – and an inviting public space, in addition to offices, collaboration spaces, and meeting rooms for faculty and staff.

"This signature facility reflects our core research themes of energy, health, security, sustainability and education," said Paul Johnson, dean of the Ira A. Fulton Schools of Engineering. "The interdisciplinary environment fosters close collaboration among SESE and Fulton Engineering researchers as we pursue complementary efforts to advance the technology of tomorrow and provide practical solutions to real-world challenges today."

First floor facilities feature digital media, public lectures, visible laboratories and interactive displays. A focal point of the building is the Marston Exploration Theater, a 238-seat theater for presenting high-definition documentaries, 3-D planetarium-style shows and media-rich space for teaching undergraduates. Another highlight is the 4,300-square-foot Gallery of Earth and Space Exploration, outfitted with kiosk-style interactive exhibits and large-format, high-definition monitors that display video from Earth-observing satellites and robotic probes of other worlds.

On the second floor is ASU's Center for Meteorite Studies, relocated and expanded for greater public access, which features interactive displays, touchable specimens and a video display of most of the collection's specimens.

To view a photo gallery from ISTB 4's grand opening, visit asunews.asu.edu/20120919_gallery_ISTB4.



Yvette Johnson

Student's project becomes Tribeca Film Fest darling

ASU student Yvette Johnson had an opportunity to bask in the national spotlight this summer after her research project in a Family History Writing class led to a full-length documentary and an hour-long primetime television special.

When Johnson started a research blog for her Family History Writing class, she couldn't

possibly imagine it would become the basis for both "Booker's Place: A Mississippi Story" – one of the most talked about films of the 2012 Tribeca Film Festival – and a Dateline NBC broadcast hosted by Lester Holt that aired July 15.

"This past year has been truly amazing," Johnson said. "Not only have I been able to bring my grandfather's heroic story to the world, but I met amazing people along the way."

Johnson's sojourn started when she began researching the life of her grandfather, Booker Wright, a black restaurant owner who also served double-duty as a waiter in a "whites only" restaurant in Greenwood, Miss., in the 1960s. He became an unlikely activist for the civil rights movement when he appeared in 1966 on NBC in a documentary by Frank De Felitta, who was reporting on racism in the South. Wright's candid interview exploded the myth of who he was and his experience serving the white community.

"The meaner the man be, the more you smile," Booker said to the camera.

The interview sent shock waves throughout the community of Greenwood, known for its hostility surrounding segregation. As a result of the broadcast, Wright lost his job, was pistol-whipped by a cop who was never charged, and later was murdered under murky circumstances.

Forty-six years later, De Felitta's son, Raymond, contacted Johnson and together they took an emotional journey into the past to explore Wright's life and death, the tensions in the Mississippi Delta during the civil rights era, and the role the documentary may have played in Wright's demise.

While the documentary explores the ugliness of racism, Johnson said the filmmaking process has been a positive experience, albeit a highly emotional one. As co-producer, she was given the opportunity to further her research and had a voice in shaping the film's story.

"Booker's Place" received rave reviews from the New York Times, Los Angeles Times, the Hollywood Reporter, as well as film critic Roger Ebert, and was the toast of the Tribeca Film Festival in April. Johnson is currently writing a memoir based on her recent experiences, which brings great delight

to Sherry Rankins-Robertson, her English instructor.

"The most we can hope for any writing student to achieve is the ability to see the application of her work beyond the university," said Rankins-Robertson, who teaches writing in the School of Letters and Sciences on ASU's Polytechnic campus. "Yvette's journey from the Family History Writing classroom to Tribeca is so much more than I could have imagined when she declared, 'I want to know about my grandfather,' on the first day of my class."

To watch an interview with Johnson on the Horizon program on EIGHT, visit asunews.asu.edu/20120719_video_bookersplace.

ASU startup program to target military, veterans, defense entrepreneurs

The university's Venture Catalyst program launched a special version of its successful Rapid Startup School program in September that targeted military and defense industry professionals, along with members of the U.S. veterans community.

The new Military/Defense/Veterans (MDV) program is a free program, run in the evenings at ASU SkySong in Scottsdale. The program is designed to help participants to launch new startup companies in areas such as military technology, homeland security, border protection and consumer protection processes. It is expected, however, that other non-military startups also may be created. This is part of a concerted effort to target these core groups over the winter months.

"Arizona has a long and proud history with the military, with a large veteran population from many different wars, along with a growing corporate defense and aerospace industry," said Gordon McConnell, assistant vice president of Innovation, Entrepreneurship and Venture Acceleration. "The



The new Military/Defense/Veterans program at ASU SkySong in Scottsdale is designed to help participants launch new companies in the fields of defense, homeland security, border protection and consumer protection processes.

experience, resources, and know-how to create a new generation of startups are here; we are just helping to connect the dots.”

The Rapid Startup School MDV ran for two months this fall, offering approximately two evening classes each week. After the course concluded, ASU Venture Catalyst inaugurated a monthly networking event called “Military Mondays” on the first Monday of each month. This networking event introduces participants of the Rapid Startup School with members of the growing startup and military scenes in the greater Phoenix area.

“Military Mondays will help to bring like-minded people together: founders with potential co-founders, startups with corporations, entrepreneurs with service providers,” said Wiley Larsen, the ASU Venture Manager in charge of the new MDV program. “We want to ensure the momentum continues.”

Sun Devils shine at London Olympics

With 17 current or former student-athletes in competition at the 2012 London Olympics, ASU had the 13th-highest total of Olympians of any Division I school in the country. Thanks to James Harden on the USA men’s basketball team and Amy LePeilbet on the USA women’s soccer team, ASU brought home two gold medals for the first time since 2000 and brought the institution’s all-time total of gold medals won by alumni or students to 25.

Here’s a brief recap of how Sun Devils performed at the Olympic Games.

Basketball

James Harden became just the second Sun Devil to earn a gold medal in men’s basketball as the USA downed Spain, 107-100. Another former Pac-10 Player of the Year, Ike Diogu, was the top player on the floor for the Nigerian national team, which was making its first-ever appearance at the Olympic Games. Eric Boateng appeared in three games for Great Britain, a country making just its second Olympic appearance in the sport.

Swimming and Diving

Current ASU diver Riley McCormick, who officially sat out the past season to prepare to compete for his home country of Canada, had the best performance in the pool for the Sun Devils as he advanced to the finals of the 10-meter platform competition.

In the men’s 3-meter springboard competition, former Pac-10 Diver of the Year Micky Benedetti narrowly missed advancing to the finals with a 20th-place finish in the qualifying rounds.

Former ASU swimmer Gal Nevo, competing for Israel, had a 10th-place finish in the men’s 400-meter individual medley.

Water Polo

Former water polo star Rowie Webster led her Australian national team to a bronze medal finish.

Incoming freshman Rita Keszthelyi was another standout as part of the fourth-place Hungarian squad, playing 183 minutes over six games.

Current ASU sophomore and now two-time Olympian Gao Ao competed for the Chinese national team, scoring one goal in 58 minutes of play and appearing in all six matches.

Track and Field

Ryan Whiting, who competed in the shot put, had the top finish of the five former Sun Devils taking part in the track and

field portion of the Olympics. Whiting had the fourth-best throw of the qualifying rounds and a ninth-place finish in the finals.

Amy Hastings was 11th in the women’s 10,000-meter run with a personal best of 31:10.69.

Donald Sanford, competing for Israel, clocked a time of 45.71 in the men’s 400-meter race to finish 26th overall.

In the men’s 3,000-meter steeplechase, Kyle Alcorn finished



Gold medal Sun Devils: James Harden (above, no. 12) played on the Team USA basketball squad, while Amy LePeilbet (below, no. 6) played for the American women’s soccer team.



Photo Courtesy of Getty Images



A study co-authored by Mikhail Chester, an assistant professor of engineering at ASU, says California's ambitious plan for a high-speed rail system could become a sustainable and environment-friendly transportation alternative. Photo courtesy of the California High-Speed Rail Authority.

28th in the preliminary round, and women's marathoner Desiree Davila was forced to drop out of her race due to injury.

Soccer

Former Arizona State University women's soccer player Amy LePeilbet became the first Sun Devil since 2004 to win a gold medal as the U.S. women's soccer team defeated Japan, 2-1. LePeilbet had a critical goal line save from her defender position in the 74th minute to preserve the USA victory.

Wrestling

Kelsey Campbell, the lone woman ever to make the ASU wrestling roster, was paired up against eventual gold medalist Saori Yoshida in her first round matchup, a 3-0 shut out in Yoshida's favor, before having to take on former world champion and eventual bronze medalist Yuliya Ratkevich in the consolation bracket where she also fell 3-0.

Zeke Jones, a former ASU Olympic athlete, participated this year as head coach of the U.S. men's freestyle team. Under his guidance, U.S. wrestlers earned two gold medals and one bronze medal.

Archery

British native Alison Williamson competed in her sixth consecutive Olympic Games in the archery competition. The former ASU All-American finished tied for 33rd overall in the individual recurve competition and finished tied for ninth with Great Britain in the team competition.

Future of major high-speed rail project looks green

California has reason to be optimistic that the state's proposed high-speed rail project, due to begin construction next year, will prove to be a viable transportation alternative from environmental and sustainability standpoints.

That's the conclusion of research by Arizona State University engineer Mikhail Chester and University of California, Berkeley, engineer Arpad Horvath reported in a study published in the journal *Environmental Research Letters*.

Chester is an assistant professor in the School of Sustainable Engineering and the Built Environment, a part of ASU's Ira A.

Fulton Schools of Engineering, and has a joint appointment in ASU's School of Sustainability. Horvath is a professor of civil and environmental engineering at Berkeley and the study's co-author.

California lawmakers authorized \$7.9 billion in local and federal funds for the high-speed rail project, which promises to link Sacramento, San Francisco, Los Angeles and San Diego with trains traveling at a top speed of 220 mph. The bill, signed into law by California Gov. Jerry Brown, allows initial construction on the 768-mile rail system to begin next year.

Chester and Horvath compared the future sustainability of high-speed rail with that of competing modes of transportation, namely automobiles and air travel. They determined that in terms of energy consumption and greenhouse gas emissions, a mature high-speed rail system wins out when it deploys state-of-the-art trains powered by greener electricity. This was true even after accounting for the emergence of more fuel-efficient airplanes and automobiles.

"We're showing that if this high-speed rail system is deployed, it is likely that California will reduce its transportation environmental footprint," Chester said. But to reap those environmental benefits, the state will have to wait until the system becomes fully operational, which could take an estimated 20 to 30 years after groundbreaking.

The researchers considered different scenarios, such as varying levels of ridership and renewable energy use, when calculating emissions of greenhouse gases and conventional air pollutants, acidification and impacts on human respiratory health.

The findings indicate that when the proposed high-speed train is occupied by 80 to 180 passengers on average over its lifetime, it would result in as many greenhouse gas emissions on a per-passenger-kilometer-traveled basis as a 35 mpg sedan carrying 2.2 people. The greenhouse gas emission-equivalent for a typical airplane carrying 116 passengers would be a train carrying 130 to 280 passengers. If more energy-efficient trains or rail technology emerge, the environmental benefits would be even greater.

Chester said that while their analysis shows environmental benefits to high-speed rail, "this is not the answer to meeting the state's greenhouse gas goals. This is a tiny piece of the puzzle."



New worldwide rankings place the online MBA program at ASU's W. P. Carey School of Business at No. 15 globally, and seventh among U.S.-based programs.

Online MBA program wins top 15 ranking

New worldwide rankings are out for online MBA programs, which are an increasingly popular way to get a graduate degree. The W. P. Carey School of Business at Arizona State University has been ranked among the top 15 such programs globally, according to a list from QS, a renowned British company that helps students in more than 35 countries select MBA programs. The company named the W. P. Carey online MBA No. 15 worldwide, and seventh among U.S.-based programs.

In the new rankings, QS looked at the best schools for student employability, program establishment date, student quality, faculty and teaching, class experience and diversity. All ranked schools have to offer accredited online and distance-learning programs, while also providing other reputable business-education options.

Robert Mittelstaedt, dean of the business school, said, "The new QS rankings confirm that our online MBA program is easily among the best worldwide. We established the program in 2003, well before many other real, traditional universities understood this is an incredibly important frontier for business education."

The W. P. Carey online MBA is a two-year program in which students work in small, personalized teams with peers from other industries. Participants visit the ASU campus just once and then complete the program entirely via the Internet, making it extremely flexible and convenient. Students focus on just one course at a time and can earn their degrees with an area of emphasis, such as finance, international business, marketing or supply chain management.

QS reports that there are at least 300 online MBA programs available globally. Interest in this type of program has boomed over the last several years, according to QS, jumping from 4.4 percent of MBA students interested in 2008 to 15.6 percent this year.



TechShop, a do-it-yourself workshop and fabrication studio, will become part of the ASU Chandler Innovation Center.

ASU Chandler Innovation Center to host TechShop

TechShop, a membership-based, do-it-yourself workshop and fabrication studio with locations nationwide, has reached agreement on terms that will bring TechShop to the ASU Chandler Innovation Center, giving ASU students and Chandler-area product makers, entrepreneurs and innovators access to a wide range of machinery, tools and software to turn their ideas into reality.

The ASU Chandler Innovation Center is an engineering and technology-based education and research hub located in downtown Chandler at the city's former public works yard at 249 E. Chicago Street. It represents an alliance between the city of Chandler and ASU's College of Technology and Innovation.

TechShop is the physical embodiment of the Maker Movement, providing inventors and hobbyists with workspace, community and tools – including welding stations, plasma cutters, hand tools and 3D printers – needed to make just about anything. The facilities operate on a membership model similar to health clubs, with monthly or annual fees covering unlimited access to equipment on a drop-in basis.

"The mission of the ASU Chandler Innovation Center is to support entrepreneurship and boost long-term economic growth by dedicating a space to teach, train and develop innovative individuals and companies in our community," said Jay Tibshraeny, Chandler mayor. "The arrival of TechShop aligns perfectly with that goal and enriches our already substantial partnership with ASU at this facility."

As part of the TechShop deal, the College of Technology and Innovation will offer free memberships to students who are taking classes at the Center, with discounted memberships available for other faculty/staff and students. The arrangement also will increase the building's space utilization by making classrooms available for TechShop programs when not in use by ASU.



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“Integrating TechShop into the ASU Chandler Innovation Center democratizes access to tools for innovation and opens up tremendous new opportunities for our students to learn and create,” said ASU President Michael M. Crow. “Our partnership with TechShop and Chandler enables us to offer our students and the community more access to state-of-the-art technology and resources than any other educational setting nationwide.”

TechShop Chandler will offer charter memberships; interested parties can email chandler@techshop.com to receive alerts regarding becoming a member.

The membership includes use of more than \$1 million worth of tools, equipment, design software, open workspaces, Internet access, and member-only meet-ups and special events. All TechShop locations are open from 9 a.m. until midnight, helping to attract more people into the downtown setting after hours.

For information and course listings for TechShop Chandler, visit www.techshop.ws.



ASU's College of Nursing and Health Innovation (above) has received a \$3 million grant from the National Cancer Institute to fund research to promote colorectal cancer screenings among underserved populations.

National Cancer Institute awards \$3M grant to ASU to promote screening

The National Cancer Institute has awarded a \$3 million grant to the College of Nursing and Health Innovation at Arizona State University to fund research to promote colorectal cancer (CRC) screening among underserved populations.

The college is leading a four-year randomized study of 1,600 participants, titled “Navigation from Community to Clinic to Promote CRC Screening among Underserved Populations,” and will be conducted in the Phoenix metropolitan area.

Of cancers that affect both women and men, colorectal cancer is the second-leading cancer killer in the United States, according to the most current data from the Centers for Disease Control and Prevention.

The CRC screening study is an important part of the college’s strategic focus on health disparities among underserved populations, said Elizabeth Reifsnider, associate dean for research.

“This project is especially noteworthy as it will utilize community-based approaches with great promise for sustainability,” Reifsnider said. “Patient navigators can provide the bridge for underserved populations to access potentially life-saving screening.”

Screening rates for minorities and low-income populations are low due to lack of, or infrequent access to, primary care providers who would provide referrals for CRC screening. ASU professor Linda Larkey and Ohio State University professor Usha Menon, both principal investigators, said the aim of the research is early diagnosis of colorectal cancer to help reduce morbidity and mortality among these populations.

The purpose of the first phase of the study will be to test the effectiveness of an intervention using “community-to-clinic navigators” to guide individuals aged 50 and over from especially hard-to-reach, multicultural and underinsured populations into primary care clinics to receive referrals for CRC screening.

In the second phase, the impact of the intervention on completion of CRC screenings will be examined. Cost-effectiveness analysis will lay the foundation for further evaluation of the dissemination policy potential of the intervention.

Raymond DuBois named executive director of Biodesign Institute

Raymond DuBois, an internationally renowned physician-scientist whose research has advanced the understanding of the molecular basis for the prevention of colon cancer, was named executive director of Arizona State University’s Biodesign Institute. He began his new position on Dec. 1.

He also holds the Dalton Chair in ASU’s College of Health Solutions with joint appointments in chemistry and biochemistry. In addition, he has a joint appointment with Mayo Clinic, co-leading the cancer prevention program.

DuBois comes to ASU from The University of Texas MD Anderson Cancer Center in Houston, where he served as provost and executive vice president, and professor of cancer biology and cancer medicine. At MD Anderson, he was responsible for developing and overseeing research strategy, faculty, the School of Health Professions, graduate education programs and initiatives, and Global Academic Programs.



Photo by: stock.xchng photo

(left) Raymond DuBois became executive director of the Biodesign Institute on Dec. 1.
(above) The Katherine Schneider Journalism Award for Excellence in Reporting on Disability will be administered by the National Center on Disability & Journalism, headquartered at ASU's Walter Cronkite School of Journalism and Mass Communication.

ASU's Biodesign Institute is a unique interdisciplinary research endeavor devoted to bio-inspired innovation – that is, using nature's building principles as a guideline for addressing a range of problems and challenges in health care, sustainability and security. With 10 research centers in 350,000 square feet of laboratories, 700 employees and 208 active research projects, the Biodesign Institute is a nerve center for biomedical, sustainability and national security discovery.

"The Biodesign Institute was established 10 years ago with the intention of it becoming a world-class research enterprise. It has achieved that status," says ASU President Michael M. Crow. "Now it's time to put the rocket boosters on and advance to what I call Biodesign 2.0.

"In Ray DuBois we have not only an extraordinary researcher, but also someone gifted in research administration. We are fortunate to have such an accomplished scientist and visionary lead Biodesign into its next phase of development."

DuBois said of his appointment, "The (Biodesign) Institute was founded on a remarkably innovative concept – one that offers flexibility and cross-discipline collaborations that have the potential to positively impact mankind in incalculable ways. I can't wait to get started. I believe that leading the Biodesign Institute is not only going to be intellectually stimulating and personally rewarding, but also a lot of fun."

New journalism award to recognize disability coverage

A new national journalism awards program will recognize excellence in reporting on disability issues and people with disabilities.

The Katherine Schneider Journalism Award for Excellence in Reporting on Disability is the first national journalism contest devoted exclusively to disability coverage. It is administered by the National Center on Disability & Journalism, headquartered at ASU's Walter Cronkite School of Journalism and Mass

Communication, under a grant from Katherine Schneider, a retired clinical psychologist.

Entries for the new journalism award will be accepted beginning in early 2013 at <http://ncdj.org>. Each entry may consist of a single story or story package published in print or online or broadcast on radio or television. The first-place winner will receive an award of \$5,000 and an invitation to speak at the Cronkite School. A second place award of \$1,500 also will be given, and judges additionally may give \$500 honorable mention awards.

Entries must be published or aired between July 1, 2012, and June 30, 2013, and submissions will be due on Aug. 1, 2013. The inaugural winners will be announced shortly after that.

"I'm thrilled to sponsor these awards for the best of the best reporting on disability issues," Schneider said. "The Cronkite School is the perfect place for these awards to be housed. I eagerly await the judges' selection of the first year's winners."

Schneider, who has been blind since birth, hopes the award will help journalists improve their coverage of disability issues, moving beyond "inspirational" stories that don't accurately represent the lives of people with disabilities.

"That kind of stuff is remarkable, but that's not life as most of us live it," she said.

NCDJ, which has been housed at the Cronkite School since 2008, offers resources and materials for journalists covering disability issues and topics.

Kristin Gilger, Cronkite associate dean and administrator of NCDJ, said an estimated 56.7 million people in the United States – about 19 percent of the country's population – live with disabilities of some kind. But while there are journalism awards covering virtually every other important societal topic – including religion, poverty, injustice, minorities, women and children, government, politics, and health care – there is no comparable award recognizing work on the topic of disabilities.

"We hope to call attention to the really good work that is being done in this area and to encourage more of it," Gilger said.



By the numbers

ASU enrollment hits record 73,373 for fall semester

ASU's total enrollment continues to nudge upward, with the university's fall 2012 semester enrollment figures indicating that the institution has reached a record 73,373 total of undergraduate and graduate students. This figure tops last year's 72,254 fall enrollment figure by 1,119 students, and represents an increase of more than 5,300 students over the fall 2009 semester.

The enrollment total, when analyzed, reveals a portrait of a vibrantly diverse student body that is well prepared for university work and poised to succeed. Here are a few facts about students currently enrolled at the university.

- New freshman and transfer student enrollment climbed to 16,450, with nearly 9,300 first-time freshmen and 7,150 transfer students selected from an all-time record of more than 51,000 applications for admission.
- The academic preparation of the 2012 full-time freshman class is at an all-time high, with a mean high school grade point average of 3.47, an ACT composite of 24.5 and SAT composite (for math and critical reading) of 1129.
- The current crop of Sun Devils also are more multicultural than their predecessors, with 39 percent of the freshman class coming from diverse ethnic and racial

backgrounds – up from 24 percent eight years ago. While the majority of ASU's students are resident Arizonans, 37 percent of the freshman class has been attracted to ASU from another state or country – up 2 percent from last year.

- International student enrollment at ASU also hit record levels – more than 5,160 total – up from 3,856 just two years ago, which represents a 34 percent increase. Students from more than 120 countries are enrolled at ASU's four campuses.
- ASU Colleges at Lake Havasu City became the university's newest location this fall and 70 new Sun Devils now call it their educational home. ASU Colleges at Lake Havasu City is part of an innovative effort to give students more affordable alternatives to getting a college degree.

ASU President Michael M. Crow, commenting on the enrollment figures, said, "The academic strength of our freshman class is stronger than ever, exemplifying a talented and motivated group of students ready to take on the rigor of their academic programs, and discover new and exciting things about themselves, their communities and the world."

The gift of giving

ASU Foundation's Women & Philanthropy group celebrates 10 years

Editor's note: As ASU celebrates 10 years as a New American University during 2012, the Women & Philanthropy program of the ASU Foundation for A New American University is doing the same. Since its first year of funding, Women & Philanthropy has granted

more than \$1.98 million to support ASU programs, initiatives and scholarships. To celebrate its impact over the past decade, ASU Magazine asked three founding members and ASU alumnae to reflect on their experience with this dynamic organization.



How would you describe the Women & Philanthropy group?

Jeanne Herberger
'89 B.A.,
'95 M.A.,
'00 Ph.D:

It is a unique group of like-minded women interested in making a difference through their generosity. These inspiring women have touched every aspect of Arizona State University. We have funded \$1.98 million in scholarships and grants to advance President Crow's vision of a New American University since we began in 2002.

What appealed to me was the collective voice that the organization offered. Women & Philanthropy advances the mission of ASU through scholarship and research grants. It does this by asking for small annual gifts from many like-minded women. This has and continues to be a win-win concept with major positive results.



What do you value most about the program?

Michelle Mace
'88 B.S., '90 M.A.:

I love how much Women & Philanthropy supports students. We carefully go through each application

and select the best grant recipients based on financial need and academic impact. However, we always wish we could financially support all students and programs. While still funding scholarships, we have adjusted to the needs of ASU and accordingly fund programs in which many students have the opportunity to be involved.

We funded a simulated baby mannequin that was used to help nurses get real practice, so the first time the students have to save a life in the emergency room, they can do it. We were able to see the students with the baby when we went on tour, and it really hit me how much our funding of this baby was impacting their education and lives. That was priceless.



What do you hope Women & Philanthropy accomplishes in the next 10 years?

Cathy Dickey '75 B.A.:

I would like to see Women & Philanthropy acquire many more members in the next 10 years. It would also mean a lot to ASU to have more alumnae become a part of our organization and give back to the university that helped them achieve their dreams. I want ASU's Women & Philanthropy to be held as a high standard for other philanthropic women's groups across the country. I want Women & Philanthropy to become the best.

Not enough people understand the impact these women have on our university and our community; it is time to raise our voices and be heard. When Women & Philanthropy grows to encompass more women than ever before, we can change the experience of our students, which will entirely impact our future workforce.

To learn more about the Women & Philanthropy group, visit <http://asufoundation.org/womenandphilanthropy>.



Quote, unquote

ASU study finds Islamist extremists stress self-defense, not world domination

A common belief in the West is that al Qaeda wishes to impose Islam everywhere, but a new study of their use of religious texts suggests that Islamists' goals are much more modest.

The study is being conducted by ASU's Center for Strategic Communication (CSC), a strategic initiative of the Hugh Downs School of Human Communication that promotes research, teaching, and public discussions of the role of communication in combating terrorism.

The study of Qur'an quotes is part of a larger project at the center titled "Identifying Terrorist Narratives and Counter-Narratives: Embedding Story Analysis in Expeditionary Units," which examines Islamists use of narrative and persuasion. The six-year effort is being funded by the Office of Naval Research.

CSC researchers analyzed more than 2,000 items of propaganda from al Qaeda and related Islamist groups from 1998 to 2011. They catalogued more than 1,500 quotes from the Qur'an that extremists used to support their arguments, and identified the chapter (surah) and verse represented in the quote.

Results showed that most of quotes are about enduring hardships and maintaining faith and hope in the face of attacks by enemies of Islam. The so-called "Verse of the Sword" (9:5) that says "fight and slay the pagans wherever you find them" was used only three times.

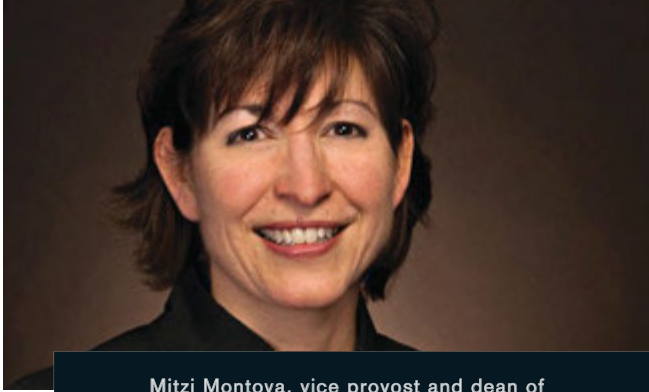
"We were surprised at the very limited use of the sword verse," said Bennett Furlow, a research assistant with the center. "Conventional wisdom says Islamists are bent on world domination and this verse is the justification. We found it to be insignificant," he said.

The verses most frequently cited came from three surah, Surah Nine, Surat at-Tawbah ("The Repentance"), Surah Three, Surat al-Imran ("Family of Imran") and Surah Four, Surat an-Nisa ("The Women"). They address enduring hardships and the importance of fighting against the unjust outsiders who oppress men, women and children.

"These findings challenge the idea of a clash of civilizations," said the study's lead author Jeff Halverson, a professor of communication. "What extremists are really saying to Muslims is, 'our communities are under siege, and God will defend us if we have faith and courage'."

It is important to be realistic about Islamists' arguments when trying to counter their influence attempts, noted ASU's Herberger Professor and study co-author Steve Corman. "If we try to portray them as evil conquerors when their audience sees them as protectors and champions, it damages our credibility and makes our communication less effective," he said.

A video explaining the aims of the project is online at asu.edu/courses/fms000/CSC_Video/CSC-FINAL.swf.



Mitzi Montoya, vice provost and dean of ASU's College of Technology & Innovation

Degrees of success

Intel, ASU team up to provide custom engineering program for employees

Intel and Arizona State University's College of Technology and Innovation (CTI) have developed a customized degree for some of the chip maker's Arizona employees. The program uses CTI's modular, project-based curriculum and will provide a bachelor's degree in engineering from ASU, with a focus in materials science.

The engineering portion of the degree program will provide approximately 60 credit hours in 24 months. Students will spend one day a week in classes and complete homework and projects outside of class, either at home, at Intel or in engineering design studios at the ASU Chandler Innovation Center. Twenty-five students are expected to take part in the first cohort, which launched in fall 2012 by offering instruction in math and science preparation courses before the engineering program begins in earnest.

"Intel's commitment to developing more engineers to power the next generation of innovation extends to our own workforce," said Michele St Louis-Weber, factory manager of the Intel Fab 12 facility located in Chandler. "We found a school (in ASU) that is just as committed as we are to this kind of bold solution to a national challenge."

"CTI's new accelerated/flexible engineering degree options make one of the nation's most innovative engineering programs available to students whose schedules aren't aligned with a traditional academic calendar," said Mitzi Montoya, vice provost and dean of the College of Technology and Innovation. "When people talk about STEM (science, technology, engineering and math) innovation, they're usually focused on young people. What CTI is doing here is unlocking the potential of Arizona's existing workforce, creating more engineers, and fostering an environment of innovation and economic dynamism."

CTI's accelerated/flexible engineering programs also are open to non-Intel employees, with focus areas in electrical engineering systems, mechanical engineering and software engineering. Classes are offered in a mix of online, evening and weekend sessions at the ASU Chandler Innovation Center, giving non-traditional students the opportunity to tailor a course of study fitting their schedules. Full-time students can enter the program to accelerate the completion of their degrees.

For more information on the accelerated engineering program, visit <http://technology.asu.edu>.

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Growing up

Influential ASU youth leadership institute comes of age

The ASU César E. Chávez Leadership Institute (CCLI), an initiative established in 1995 by ASU and community leaders seeking to inspire and motivate high school students through the legacy of César E. Chávez, has come a long way since its modest start. The institute celebrated 18 years of existence and its ongoing evolution with program alumni, ASU staff and faculty and community supporters on Nov. 8 at a “Viva CCLI!” event held at the Sun Angel Clubhouse at ASU Karsten Golf Course.

The institute was in part the brainchild of Frank Hidalgo, former assistant vice president for institutional advancement at ASU, who saw the need to promote active engagement in extracurricular and community activities from local Hispanic high school students. Each summer, CCLI invites sophomores and juniors from Arizona high schools to attend ASU for a week to learn about higher education as a vehicle for success and servant leadership. The institute’s curriculum includes an examination of the legacy of its namesake, César Chávez, and his life-long commitment to advocacy, community service and education; the development of leadership skills to advocate for and address community needs; tips for achieving student success in college; and assistance in setting educational goals and navigating the college admission/financial aid system.

The program collaborates with the Office of Undergraduate Admissions, Student Life, Student & Cultural Engagement, the School of Transborder Studies, and the Sandra Day O’Connor College of Law to produce the institute’s programming. The institute is available at no cost to participants, thanks to support from Arizona State University, The Helios Education Foundation, the Arizona Republic/12 News Season for Sharing, and SRP.

To date, more than 800 Arizona high school students, including two of César Chávez’s granddaughters, have completed the CCLI program and gone on to pursue successful careers in law, medicine, public service, law enforcement and marketing, among others.

Alumni described the program as key to their decision to attend college and excel professionally.

“CCLI helped me to navigate the path to college success,” said Janey Pearl ‘04 B.I.S., who is currently a communications/marketing director for Stand for Children. “More importantly, it showed me how people can make a true difference in the world and it inspired me to be a person of action.”

“CCLI opened my eyes at an early age and showed me what the world had in store for me,” said Raul Celaya ‘03 B.A., ‘03 B.I.S., who is a district manager for T-Mobile. “It definitely planted the seed in my life for wanting to give back to my community.”

Beyond the summer institute program, CCLI presents a Devils In Training college preparation program twice a year, oversees an alumni network and a mentorship initiative, operates the Chávez Scholarship Program, which provides \$5,000 in scholarship funds to five students per year, and orchestrates the ASU Hispanic Convocation celebration during Commencement week.

In the future, CCLI plans to expand outreach to parents, collaborating with the Be A Leader Foundation and the Greater Phoenix Aguila Program to develop a Parent Tool Kit (available in English and Spanish) that will contain materials to assist their children with college preparation and the applications process.

For more information on CCLI, visit outreach.asu.edu/ccli/.

By the book

Sun Devil Campus Stores focus on expanding access, improving sustainability

In its first year of operation as part of the Follett chain of campus bookstores, the Sun Devil Campus Stores has implemented a number of initiatives that will provide better access to textbooks and potential savings. It also has taken a number of steps to minimize the operation's impact on the environment.

Rental program provides educational options

The Rent-A-Text program was unveiled last year, and according to Val Ross, director of the Sun Devil Campus Stores, the program saved students \$2 million during the 2011-12 academic year.

"We expect to save students some serious cash this term, too," said Ross. "Rent-A-Text makes course materials more affordable and offers benefits to students that no other rental provider – online or otherwise – can match."

Ross emphasized that the rental program was designed to provide students with texts that are affordable and easy to use. Students can rent and return books in-store or online; highlighting and note-taking in the texts is allowed; and the textbooks can be paid for using a variety of payment options, including financial aid and campus cards.

Going green to make green

Ross said that another area in which the stores had made significant progress this year was in sustainable business practices.

Book cartons are one key area that have benefited from the sustainability focus, Ross noted. Cartons from Follett's shipping facilities are reused and sent back out; boxes past their prime are shredded and turned into packing materials, Ross said. The stores also are offering "green books," similar to the traditional "blue books" used for written exams, that are made from at least 30 percent recycled post-consumer waste.

Follett also abides by fair labor practices, which is an integral part of making its supply chain sustainable, Ross said. Items in its new Alta Gracia clothing line are made in a factory in the Dominican Republic that pays its workers a living wage, fully respects their associational rights and meets or exceeds all university labor standards. The company is one of only two retailers who are members of the Fair Labor Association.

Growing bigger and better

In addition to implementing the textbook rental program and sustainability practices, the Sun Devil Campus Stores also are expanding and improving their stores to meet student demand for services.

In summer 2011, the company updated the main Tempe campus store, installing new fixtures throughout the store, constructing a new cash wrap area which gives the store the capacity to expand to 40 open registers during busy times, and large screen TVs to view ASU events in the store. ASU's computer store on the Tempe campus also was renovated, and its name and focus was changed to the Sun Devil Technology Center.

Over the course of the next year, Follett will construct a general merchandise store at Block 12, a multi-story, mixed-use development that will be situated on College Avenue between 6th and 7th streets in Tempe. The 30,000-square-foot development is slated to open in the fall of 2014.

For more information on the Sun Devil Campus Stores, visit www.sundeilbookstores.com.



(far left) Youth participants in the César E. Chávez Leadership Institute speak out. (above) The Sun Devil Campus Stores have added new cash wrap areas to accommodate peak buying periods, and have updated the look of the Tempe store. (below)



Sun Devils for life

The ASU Alumni Association welcomes the following new life members, who joined between June 15 and Aug. 15, 2012.

♦ Harry W. Allen '82 B.S.
Adam S. Azarian '10 B.S.
♦ Blane D. Bachan '11 B.S.
Michael R. Bailey '11 B.S.
Rafael C. Balderrama '11 B.S.E
♦ Trevor T. Barger '95 B.S.D
William H. Bartos '12 M.B.A.
John C. Benedict '06 B.S./'12 Ph.D.
Tara A. Blondell '11 M.S.
Lee C. Bonner '12 B.S.A.
Rebecca K. Borchering '11 B.A./'11 B.S.
Frank F. Branham '86 B.S.
Nicole M. Breeze '10 B.A.E.
Benjamin M. Bronson '12 B.A./'12 B.A.
Alex D. Brown '11 B.I.S.
Chase Cabanillas '08 B.S./'11 M.B.A.
Ryan P. Clancey '12 M.B.A.
Paul G. Clawson '10 J.D.
Danielle Cobb '12 B.S.
Paul D. Coe '10 B.S.A.
Andrea T. Cunningham '99 B.S.
Michael R. Cunningham Jr. '99 B.S.E.
Taylor J. Dalton '12 M.B.A.
Dez Baa A. Damon '01 B.S.
Iilir Dedvukaj '10 B.S.
Victor H. Diaz '02 B.A./'12 Ph.D.
Mark A. Dibert '12 M.B.A.
Dennis C. Droushiotis '11 B.I.S.
♦ Beverly C. Dunlap '94 B.S.
Kevin C. Eagar '10 Ph.D.
Dennis R. Ederer '73 B.S./'77 M.B.A.
Justin D. Eneboe '12 B.I.S.
Brandon W. Engle '09 B.A.
Shawn Evans '12 M.B.A.
Andrew P. Feth '98 B.S.E./'08 M.S.E.
Marcelino E. Figueroa '11 B.A.
Jerret W. Fischer '10 B.S./'10 B.S.
Douglas E. Gallagher '77 B.S.
♦ Lora A. Gans '07 M.S.T.C.
Jonathan C. Garcia '01 M.B.A.
James D. Garrett '11 B.S.
Sikander S. Gill '12 M.B.A.
Alecia M. Gorringer '09 M.H.I.
Madeline M. Grade '12 B.S.E.
Sarah A. Guthrie '06 B.S./'06 B.S./'11 M.B.A.
Sarah E. Hankins '11 B.S.
M. Eric Hannah '05 B.I.S.
Rachel M. Hannah '03 B.A.E.
Rebecca R. Harb '11 B.S.N.

Gregg W. Hartung '11 M.S.
Kenja S. Hassan '04 M.A.
Nicholas D. Headley '12 M.B.A.
Kirsten M. Heller '12 B.S.
Zachary D. Helm '11 B.A.
Heather M. Helms '12 M.B.A.
Claudia Heredia '00 B.S.
Luis A. Heredia Sr. '98 B.S.
Elaine L. Hernandez-Colombo '11 B.S.
Michael Ho '04 B.S.E.
Judith L. Hofmann Wade '96 B.A.E.
Maristelle J. Hosaka '12 M.B.A.
Neil A. Hynes '12 B.A.
Alastair M. Jack '11 B.S.
George John '09 M.B.A.
Charles L. Kallick '05 B.S.
Janelle M. Kappes '08 Ph.D.
Jon E. Kappes '06 J.D.
Timothy K. Kolstad, '97 B.S./'01 M.B.A.
Tak V. Lay '11 M.B.A.
Matthew C. Leung '12 B.S./'12 B.S.
Julianne E. Mate '09 B.A.
William T. McCall IV '09 B.A.
Joseph A. McKersie '87 B.S./'87 B.S.
Nicole A. McShane '12 B.A.
Aaron L. Mickle '11 B.I.S.
Patrick M. Montgomery '12 M.S.E.
Alexandra R. Monty '10 B.S.
Ed S. Moussa '82 B.S.
Ashley M. Murphy '11 B.A.
Ryan T. Naehrbass '10 B.A.
Jenny L. Norton '93 B.S.
Katharine C. O'Brien '10 B.A.
Eric S. Olsen '97 B.S.
Neville L. Orban '10 B.S.A.
Sarah J. Oviedo '08 B.A.E.
Michael R. Pang '07 B.A./'12 J.D.
Theodore R. Pearse '10 B.S.
Nancy B. Pfau
Terry L. Pfau '96 B.S.E.
Christopher J. Piasecki '04 B.I.S.
Christine E. Post '10 B.A.
Mike Ramirez '12 B.A.E.
Rebecca A. Richardson '11 M.Ed.
Fiona B. Rivard '11 M.S.
Nadia P. Rivera '05 B.A.
Mary Judith V. Roth '12 M.B.A.
Evan R. Rothrock '11 B.S.
Krystal L. Rowe '12 B.I.S.

Beth A. Ryan '91 B.A.
Daniel T. Scholz '11 B.S.
Richard L. Sherer '65 B.S.
Sourabh Sinha '08 M.S./'12 Ph.D.
Breck S. Smith '11 B.S.N.
Michael D. Smith '11 B.I.S.
Sharon A. Smith '83 B.S.
Gregory G. Stoch '91 B.S.E./'99 M.B.A.
Jocelyn Stoch
Christopher R. Stubbs '11 B.S.
Joseph P. Suprenant '12 B.A.
Dondrell D. Swanson '96 B.A.
Derek M. Tang '79 B.S.E./'10 Ph.D.
Catherine Tarango '94 B.S.
John Arthur Thornquist '87 B.S.E
Stephen T. Tomaiko '84 B.S.
Kurt E. Turley '09 B.A./'11 M.R.D.
Danette L. Turner '06 B.A./'12 M.A.
Olivia M. Valdez
William J. Valentin-Carrero '05 M.S.E.
Michael C. Vargas '08 B.A./'10 M.A.S.
Jesse Vazquez '11 B.A.
Matthew J. Vepraskas '12 M.B.A.
Juan P. Villa '98 B.A./'10 M.A.
Mitchell J. Weinstock '11 B.A.
Tanner S. White '12 B.S.
Mitchell J. Witkowski '11 M.S.
Preston A. York '10 B.S.

♦ = indicates a member who has joined at the Gold Devil Life level. A Gold Devil Life membership costs \$650/individual, \$800/couple, or \$150 to upgrade from an existing life membership.



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Super fans

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sports
supporters
showcase
creativity,
passion



Evelyn Droeg (left) and Rinda Simpson, friends and die-hard Sun Devil fans for more than a decade, show their spirit at an ASU home game.

True college sports enthusiasts showcase levels of unbridled passion for their teams in ways that are not often duplicated—these are the real fans who make game environments addictive, events unforgettable and who cheer student-athletes to glory on the field of play.

With a diverse and dedicated foundation of students and alumni, ASU boasts a multitude of individuals and groups that live and breathe Sun Devil athletics – and prove its worth to those outside the playing field.

One such person is Kyle Martin, a stalwart supporter in all things ASU, who along with friends and former classmates, has perfected the fine fan art of positive home team support without creating a compromise of integrity.

“It’s one thing to be creative and funny, and another to be downright mean and stupid,” stated Martin. [My friends and I] always try to stop any distasteful chants that start. We want to be known as supportive and smart [fans], but still be funny and creative.”

A quick glance at Martin’s Facebook photo gallery provides an illustration of his approach. One shot is a close-up of his face, which has been painted maroon and gold in quadrants. Other pictures show off his hand-written signs, or document when the antics of he or his friends have captured the attention of SI.com or another media outlet.

Through the use of signs, chants, and a general overflow of creative emotion, in his years of tried-and-true ASU allegiance, Martin has comically exhibited a balance between enthusiasm and respect. This has helped facilitate not only the enjoyment of his Sun Devil sidekicks but even his targeted opponents.

"I want opposing players and fans to be able to laugh at the creativity and remember how much fun it was to deal with us for an [entire game]," explains Martin. "Recently there was a senior player on an opposing team that came up and said how much he enjoyed playing in front of us with all the jokes we had made over the years."

A dynamic duo

Rinda Simpson's road to Sun Devil support is far from typical, as it began while she strolled down Palm Walk as an undergraduate student in her late 30's. Afraid she would be the oldest student in her classes, she quickly bonded with another mother and non-traditional student, Evelyn Droeg. The two formed a friendship now celebrated with annual ardor for Sun Devil athletics.

"We became best of friends and avid ASU supporters," reflects Simpson. "We graduated in 1993 and both took teaching positions in different districts, but our friendship and support of ASU athletics is still strong."

For approximately the past 10 years, the tandem of Simpson and Droeg haven't missed a home or road football game, with the duo hitting the road with matching Sparky luggage, outfits emblazoned with the ASU logo – including shoes that have "Fork 'em, Devils" stitched on the heels – and, of course, a resounding sense of Sun Devil spirit. Not content to make it simply a ladies' trip, as Simpson jokes, they let their husbands tag along for the ride.

Nearly 20 years after graduating from ASU, Simpson continues to pay her Sun Devil passion forward as a teacher by decking out her classroom in maroon and gold garb while rewarding outstanding student performances with her own "Sun Devil Dollar" creation.

Face time with ASU

Jay Nielsen and Mike Pearce, two of the core members of the fan group "Moustache Nation," are among the group's leaders who collectively decided more than a decade ago that if the fans are the face of the athletic department, then that face should feature some majorly fuzzy flair.

"At the time, moustaches weren't as cool as they are now," comments Pearce. "We thought it was quite hilarious to have a group of young guys all sporting a glorious moustache for a great cause—Sun Devil football."

Clad in game-day regalia consisting of jean shorts, custom T-shirts and jerseys and, of course, finely crafted soup strainers, the Moustache Nation members prep their most alluring lip brooms in anticipation of an annual getaway to infiltrate opposing areas in the name of pure fun and Sun Devil pride.

In recent years, Moustache Nation has drawn approximately 75 members from all corners of the United States, with most men being ASU alumni ranging in age from their twenties to their sixties.

The group has followed Sun Devil football on road trips to Washington state, Georgia, Illinois, Iowa, Nebraska, Wisconsin and Missouri.



Mike Pearce (upper right), a member of Moustache Nation, passes on some of his devotion to the Sun Devil nation to his family.

"It's great to get out and meet different people and leave them with an impression that we don't take ourselves too seriously," admits Nielsen. "We're here to have a good time, root for our squad and get ready to do it all again the following week."

With no common denominator uniting them other than an undying allegiance to the maroon and gold, Sun Devil super fans enjoy a communal sense of pride.

"It's not often you walk into a room and literally everyone is on the same page," admits Nielsen. "But one thing remains fact here: we all went to ASU, we all have passion for ASU athletics and we want to support our teams. We want that support to breed success, and, ultimately, it's an excuse for all of us to get together."

When measured in terms of face paint, facial hair, road trips, creative chants and signs, costumes, and the fervor of their pregame tailgates or postgame celebrations, it's clear that fan passion is alive and well in Tempe.

"[The] fan support for ASU athletics that is there constantly is as strong as you will find," boasts Martin. "We love our teams, and we love our school. There is gratification in proudly saying 'I am a Sun Devil.'"

Joe Healey is a Mesa-based freelance sportswriter.



Snap this QR code to hear an audio podcast interview with several of ASU's super fans!

Water, water, everywhere

Swimmer ponders her aquatic life beyond the pool

When Tristin Baxter attends classes at Arizona State, she is like a fish out of water.

That is because she spends most of her remaining waking moments leaving a wake in the pool for the Sun Devils' swimming team or developing into a national-caliber open-water swimmer. She even finds time to compete for ASU's water polo team.

Baxter, a junior majoring in business marketing, narrowly missed earning a spot on the United States' Olympic open-water swim team. Later in the summer, she swam in the U.S. Open in Indiana.

While Baxter has tried the shorter freestyle sprints, and considered a qualifying attempt for the Olympics in the 400-meter individual medley, it is the longer freestyle events, such as the 1,000-meter and the 1,650-meter distances, in which she excels.

"In the sprints, you go straight for the finish and then you're done," Baxter said. "I like the distance races better. There is more strategy involved. You put in a lot of time trying to get better. You have to keep working."

Open-water swimming appears to be gaining in popularity. It is just what it says, swimming out in the open water, under conditions similar to those a triathlete might encounter.

"It's a different element," Baxter said. "In the pool, you know what kind of conditions you will have. In the open water, you can have calm water one day or choppy water the next. The weather is more of a factor."

She played water polo at ASU as a freshman and sat out her sophomore season while concentrating on swimming in the Olympic Trials. Baxter plans to return to water polo this year.

"I have enjoyed being at ASU. I love swimming and being with my teammates," she said.

Defying gravity

Gymnast maintains balance while overcoming challenges

A gymnast who competes on the balance beam has little margin for error. The beam is only 4 inches wide.

Morgan Steigerwalt calls it "defying gravity. It is the most challenging of all the events," she says.

It is one of the events in which Steigerwalt excels for ASU.

The scenario is all the more remarkable considering the fact that Steigerwalt cannot hear in her left ear as a result of contracting meningitis as an infant. Such issues often can affect the inner ear and the ability to balance properly.

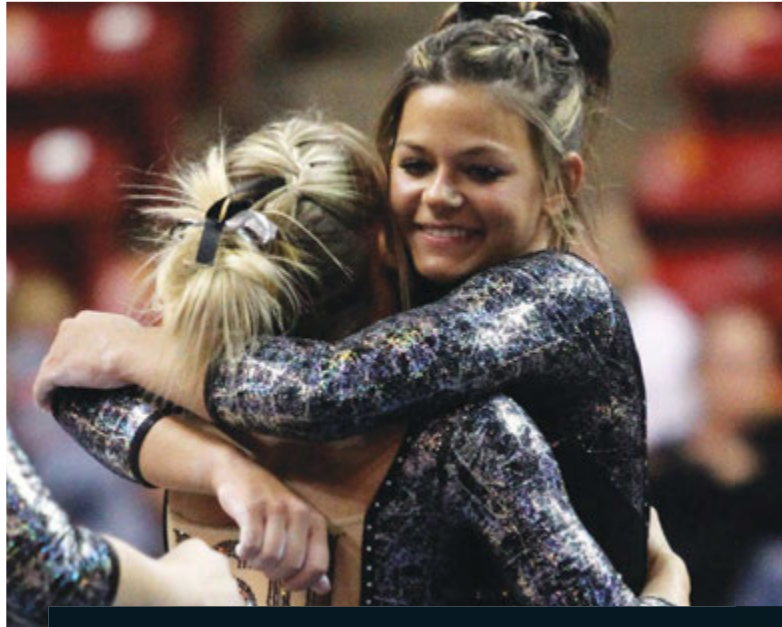
"I can honestly say that my equilibrium is fine and I am not bothered by it at all," said Steigerwalt, a sophomore from Jim Thorpe, Penn., about an hour north of Philadelphia.

Coming across the country to ASU has been a challenge for Steigerwalt, who was home-schooled in high school. She has been a gymnast for 15 of her 19 years and was a member of the Parkettes club team, along with incoming ASU freshman Alex Cope.

"It's a big campus. It was interesting finding my classes ...," Steigerwalt said.



Tristin Baxter



(above) Morgan Steigerwalt. (bottom right) Nathan Hoffer

Steigerwalt also will compete in the floor exercise and is considering trying the all-around, which includes all events, when the season begins in January. Last year, she competed in the beam and the floor, earning season bests of 9.825 on the former and 9.875 in the latter.

"Last season was fun, but this year is going to be even better," she said. "We have some really good freshmen coming in, and I want them to know that you can work hard and have fun at the same time."

On the move

Sophomore wrestler goes to the mat for the win

For most of his life, Nathan Hoffer has been going places.

He was born in Bethesda, Md., moved with his military parents to Anchorage, Alaska, then to Okinawa, Japan, and finally back to Alaska.

Now he is in the Arizona desert, excelling on the wrestling mat for Arizona State.

The 5-foot-6 redshirt sophomore was one of three freshmen from the Pac-12 Conference to qualify for the NCAA national tournament last season and finished with a 20-11 record. This year, he is facing another challenge head-on, moving up from 141 pounds to 149.

"I got a little bigger, so now I'm at a bigger weight with bigger guys. I have to get stronger and keep working," said Hoffer, a four-time high school state champion who coached a group of wrestlers from Alaska at a tournament this summer in North Dakota.

"These young guys are from all around the state, and they know who I am. I want to teach them what I know and maybe be a coach some day."

Hoffer would gain even more notoriety by being a national champion. Now that would be going places.

"I've received a lot of support from family and my coaches. ASU has provided me all of the tools I have needed to succeed," he said. "I have a real desire to win and to be a national champ. I am able to adapt pretty well, and I think I wrestle smart."

Sports updates are written by Don Ketchum, a freelance sportswriter based in Phoenix.



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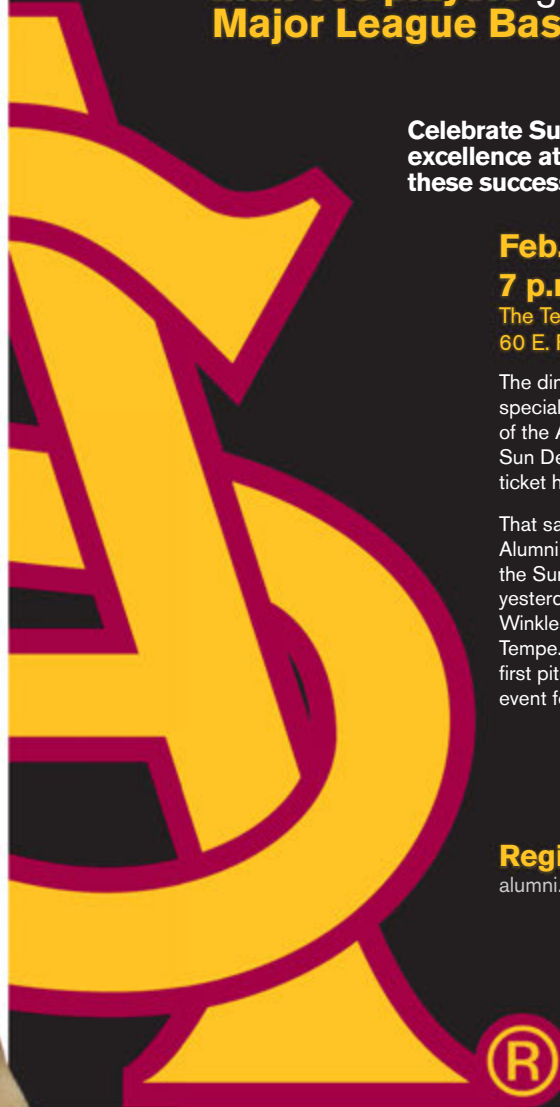
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ASU Baseball Head Coach Tim Esmay.

Good catch

ASU Baseball sends 100th player to the major leagues

In his first Major League Baseball (MLB) game, Kole Calhoun didn't swing a bat. He didn't make a defensive play. But he did make history.

On May 22, Calhoun became the 100th former Sun Devil to play in the majors when he entered as a defensive substitution in the ninth inning of the Los Angeles Angels' 5-0 win over the Oakland Athletics. One day earlier, he placed an important phone call to his college coach.

"You get goose bumps when the phone rings and it's (Andrew) Romine or (Eric) Sogard or Calhoun to tell you that they got called up to the big leagues," ASU coach Tim Esmay said. "You get chills. You hear that little kid excitement in their voice. 'Can you believe it? I'm going to the big leagues.' That'll never get old."

ASU coaches have received more than their share of such calls. Since baseball became a varsity sport at ASU in 1959, only two other schools have produced as many major leaguers. Only USC's 106 and Texas's 105 best ASU's all-time mark, which increased to 101 when infielder Jake Elmore debuted with the Diamondbacks on Aug. 11.

"Arizona State is one of the brand names in college baseball," said journalist Will Kimmey, who spent the last decade covering college baseball for Baseball America and ESPN. "If you follow the College World Series, you're used to seeing the gold and maroon. In basketball, it's North Carolina and Duke. In baseball, it's Arizona State and USC and Texas."

Former Sun Devils have won a combined nine major league MVP awards and 53 Sun Devils have appeared in the MLB All-Star Game. The list of greats includes home run king Barry Bonds, Hall of Fame member Reggie Jackson, and three-time World Series champion Sal Bando.

What is it that draws major league talent to Tempe? There's the reputation for preparing alumni for pro ball. There's the tradition of five national championships and 22 College World Series appearances. And there's the year-round baseball weather.

Plus, it's a great place to hit. The desert air is dry, so well-struck balls carry over the fence. And Packard Stadium is large (338 feet down the lines, 368 in the power alleys, and 395 to center), so balls that don't clear the fence more easily find a gap between outfielders.

"If you're a hitter, you want to play in that kind of park," Kimmey said.

ASU had at least one future major leaguer on its roster every season from 1961 through 2010. It's the longest such streak in the nation.

The pace really picked up during the latter stages of former coach Pat Murphy's tenure. From 2006 to 2010, 15 Sun Devils made their MLB debuts. It was the program's most prolific five-year stretch since the late Jim Brock placed 17 Sun Devils in the majors from 1980 to 1984.

Some players looked like big leaguers from day one on campus.

Take Mets first baseman Ike Davis. He was rated the No. 2 freshman in college baseball before taking the mound and hitting cleanup in his first collegiate game. He made his MLB debut in the first month of his second full professional season in 2010.

Or Reds pitcher Mike Leake. He set multiple freshman records en route to a 13-2 mark in 2007. In 2010, he became the first player to bypass the minors since 2000 and the first pitcher to do so since 1989.

Others snuck into the majors through the backdoor.

Murphy gave Athletics infielder Sogard the nickname "Soda Boy" when his primary role as a freshman was to keep Murphy's supply of Diet Dr. Pepper stocked. Indians second baseman Jason Kipnis started his college career at Kentucky. Upon transferring to ASU, he played exclusively in the outfield – a position for which he was deemed too slow by MLB scouts.

And then there's Calhoun. Big Red was not selected in the 2009 major league draft. He used the snub as motivation for a mesmerizing College World Series in which he batted .563 with three home runs and 11 RBIs. The power surge continued into his senior season when he was drafted by the Angels.

As a coach, Esmay is satisfied to know he played a role in developing so many student-athletes for their chosen professions. As an ASU graduate and Sun Devil fan, he's just glad to see so many familiar faces on his television.

"I watch the MLB package at home pretty much every night," Esmay said. "People ask what my favorite team is. I say whoever has a Sun Devil in the lineup when I'm watching."

Matt Simpson is a Phoenix-based freelance sportswriter.

Editor's Note: The ASU Alumni Association and the Sun Devil Club will host a special alumni weekend celebrating Sun Devil baseball, with a dinner on Feb. 9, 2013, as well as other activities. For details, visit alumni.asu.edu/baseball.



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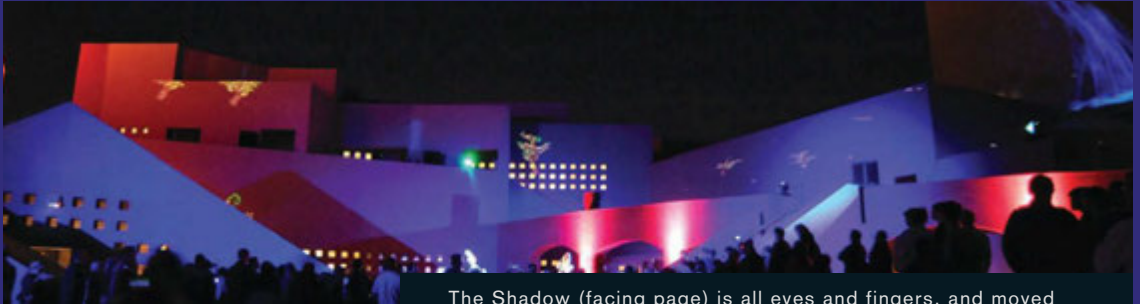


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Future



Forward



The Shadow (facing page) is all eyes and fingers, and moved stealthily through the crowd at the Immerge art festival (above), conducted as part of the Emerge conference in March.

ASU's
Emerge
initiative
champions
power of
imagination
to enact
change

By
Tracy
Mueller

Something unusual is happening at ASU. Computerized monkey telepathy. Microbes that eat pollution. Empathetic robots. Even Bruce Sterling, a noted science fiction author, cyberpunk pioneer and visionary-in-residence at the Art Center College of Design in Pasadena, Calif., has noticed the unorthodox, boundary-pushing projects the university is producing. When Sterling visited the Tempe campus in March for ASU's Emerge conference, which brought together artists and scientists to examine emerging technology, he beamed with wonder in his closing keynote address.

"I was optimistic when this conference opened with the weirdest set of scientific presentations I had ever seen at any university," he said.

So what's the point of all this imaginative, futuristic, and yes, slightly unusual activity?

As ASU President Michael M. Crow is fond of saying, you can't have a better future without better dreams. And better dreams often start with embracing the unusual.

Busting silos with
the imagination

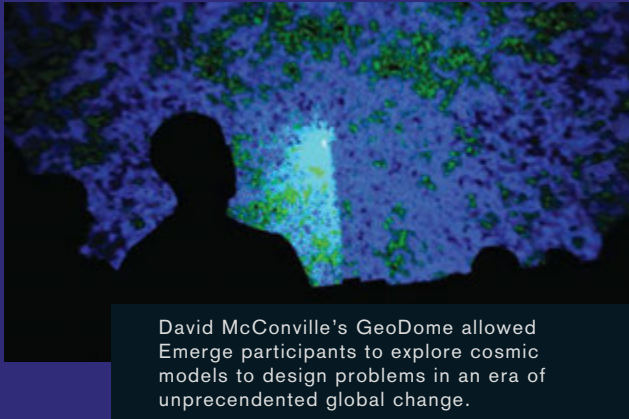
Joel Garreau isn't an academic – he's an instigator, a connector. At least that's how he says he views his role at the university. Officially he's the Lincoln Professor of Law, Culture and Values at the Sandra Day O'Connor College of Law, but that title doesn't quite capture what he does.

Garreau co-created Emerge as a way to bring groups together at ASU to answer life's grand questions: What will the future look like? How does technology shape who we are?

And the big one: What does it mean to be human? Garreau and his co-



(left) Kwang-Wu Kim, dean of the Herberger Institute for Design and the Arts;
(right) Cynthia Selin, a co-director of the inaugural Emerge conference and an assistant professor with the School of Sustainability and the Center for Nanotechnology in Society.



David McConville's GeoDome allowed Emerge participants to explore cosmic models to design problems in an era of unprecedented global change.

conspirators (to use his term) Cynthia Selin, with the School of Sustainability and the Center for Nanotechnology in Society, and Thanassis Rikakis, former director of the School of Art, Media and Engineering (who recently accepted a position at Carnegie Mellon University), set out to create an event that would represent ASU's "silo-busting" culture. What resulted was three days of thinkers and dreamers of all stripes—including filmmakers, engineers, science fiction authors, musicians, bioscientists, historians, game designers, computer scientists and students working together to let their imaginations run wild and reflect on the future.

In one workshop, participants discussed how Arizonans might produce and consume energy in the year 2050. The exercise — known as scenario planning — created four plausible energy futures based on various social, political, technological, environmental and economic variables. The idea was to examine current decisions, investments and policies based on those potential scenarios.

"All decisions we make are predicated on an idea of the future," Selin says. "Such visions are often implicit. Foresight methods like this provide a way to articulate things and lay them on the table."

In a nod to our material culture, another workshop used a process known as design fiction to imagine which technologically advanced products might become so mundane as to populate convenience store aisles in 2016. The group then produced a narrative video with props like lottery tickets that can win the buyer Twitter followers, augmented reality eyeglasses and cards the size of your driver's license that can store and play dozens of movies — the entire collected works of Bruce Willis, for example.

"The artifacts that make up our world shape who we are," Selin explains.

After nine workshops and six keynotes, Emerge transformed itself into Immerge, an interactive

musical and multimedia carnival of sorts. Nearly 1,000 spectators gathered at ASU's Nelson Fine Arts Plaza for a performance that included a laptop orchestra, improvising actors and wide-scale video projections, along with graphics and sound machines that reacted to audience responses. It was a fitting — and thrilling — conclusion to an event with a goal of bringing artists and scientists together.

"The core element of this was getting both sides of the brain to work together," Garreau says. "There is no one path to truth. It's not like the astrophysicists have a lock on wisdom, any more than the poets do."

Becoming smarter than the cynics

All this talk of design fiction, futurism and scenario planning isn't exclusively the domain of sci-fi geeks and theory-loving academics. Intel employs Emerge workshop leader Brian David Johnson as its chief futurist. Microsoft has an anthropologist on its executive team. Even organizations like the CIA and Fortune 500 firms have used scenario planning for decades to inform their strategies.

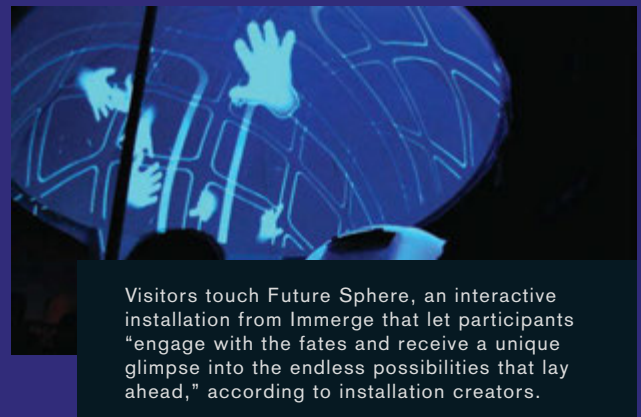
As noted computer scientist Alan Kay famously said, "The best way to predict the future is to invent it."

That's a notion faculty and students at ASU are taking very seriously, as evidenced by the huge number of units, centers and departments that contributed to Emerge and the experimental new methods of future planning the event adopted.

"ASU is taking upon itself to ask, 'Is there a better way?'" says Kwang-Wu Kim, dean of the Herberger Institute for Design and the Arts, an Emerge co-sponsor. He uses words like "obligation," "imperative," and "responsibility" when talking about the university's role in shaping a better future.

"Emerge was a showcase, a ripple effect," Kim says. "These events help move people forward."

For the Herberger Institute, moving forward includes a new bachelor's degree in digital culture that encompasses many of the values on display at



Visitors touch Future Sphere, an interactive installation from Immerge that let participants "engage with the fates and receive a unique glimpse into the endless possibilities that lay ahead," according to installation creators.



Ed Finn (left), director of the Center for Science and the Imagination at ASU, says thinking about the future is about the “spectrum of possibility,” while Joel Garreau (upper right) says humanity is poised to take control of its own evolution right now. Bruce Sterling (lower right), a boundary-pushing science fiction writer, was one of the headline speakers at the Emerge conference.



Megan Weaver, an MFA student in the School of Theatre and Film, moves dressed as a "wise spider" as part of an interactive "digital age drama" performed at Immerge, the arts festival component of the Emerge conference.

Emerge. The degree is the first of its kind in the country, and is intended to prepare students for a career in media. The curriculum includes courses from 18 units across the university, from anthropology to architecture, dance to electrical engineering.

It already has proven to be a popular degree, with roughly 170 students choosing the major in its first semester.

"We honor our past, but we're really excited about the future," Kim says. "And it's where we're sending our students."

Coming alongside the Herberger Institute in its interdisciplinary, forward-thinking efforts is the university's new Center for Science and the Imagination, which was founded in part due to an audacious challenge issued by Crow.

After hearing science fiction author Neal Stephenson complain about his genre's tendency to emphasize dystopian scenarios in popular novels, Crow asked Stephenson what he and other authors were going to do to change that situation. That remark struck a chord with Stephenson, who is now partnering with ASU on Hieroglyph, a book project and website that will publish fiction and non-fiction stories intended to inspire young engineers and scientists to push for world-changing technological innovation.

Not content with confining this sort of collaboration to a publishing project, ASU created the Center for Science and the Imagination as a hub for Hieroglyph and other similar efforts. Ed Finn is the center's director and says its goal is to be an institutional "connective tissue" to unite collaborators and encourage students, faculty and the public to think more imaginatively about the future.

"Thinking about the future is not just wondering, 'When will the new iPhone arrive?'" says Finn, also

an assistant professor in the School of Arts, Media and Engineering and the Department of English. "It's about a spectrum of possibility, a set of visions that we're working towards and that we have a lot of responsibility and influence in changing."

In addition to Hieroglyph, the center is collaborating with Intel's Tomorrow Project to produce anthologies focused on challenges like sustainability and education; ASU's Center for Games and Impact to create interactive games that attempt to solve real-world problems; and the Future Cities design think tank, which imagines how urban centers of the future might function.

Finn acknowledges that dystopianism plays an important role in warning against the future that we don't want, but he thinks the Center for Science and the Imagination can offer a different perspective.

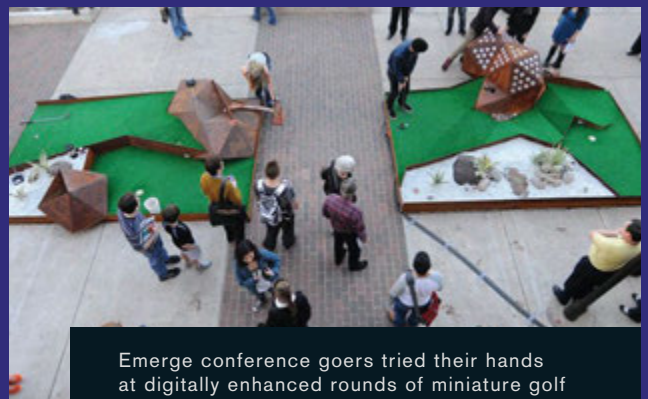
"I hope the center's call for optimism is seen as constructive criticism," Finn says. "If we think hard about the future, we can make the future better. I think that sometimes cynicism seems smarter. But you have to be much braver to advance a positive vision of what the future should be like. And that's exactly the kind of thinking we need to have."

But despite the speculation about wild inventions that don't yet exist and futures 40 years from now, all of these discussions and initiatives are very much rooted in the here and now.

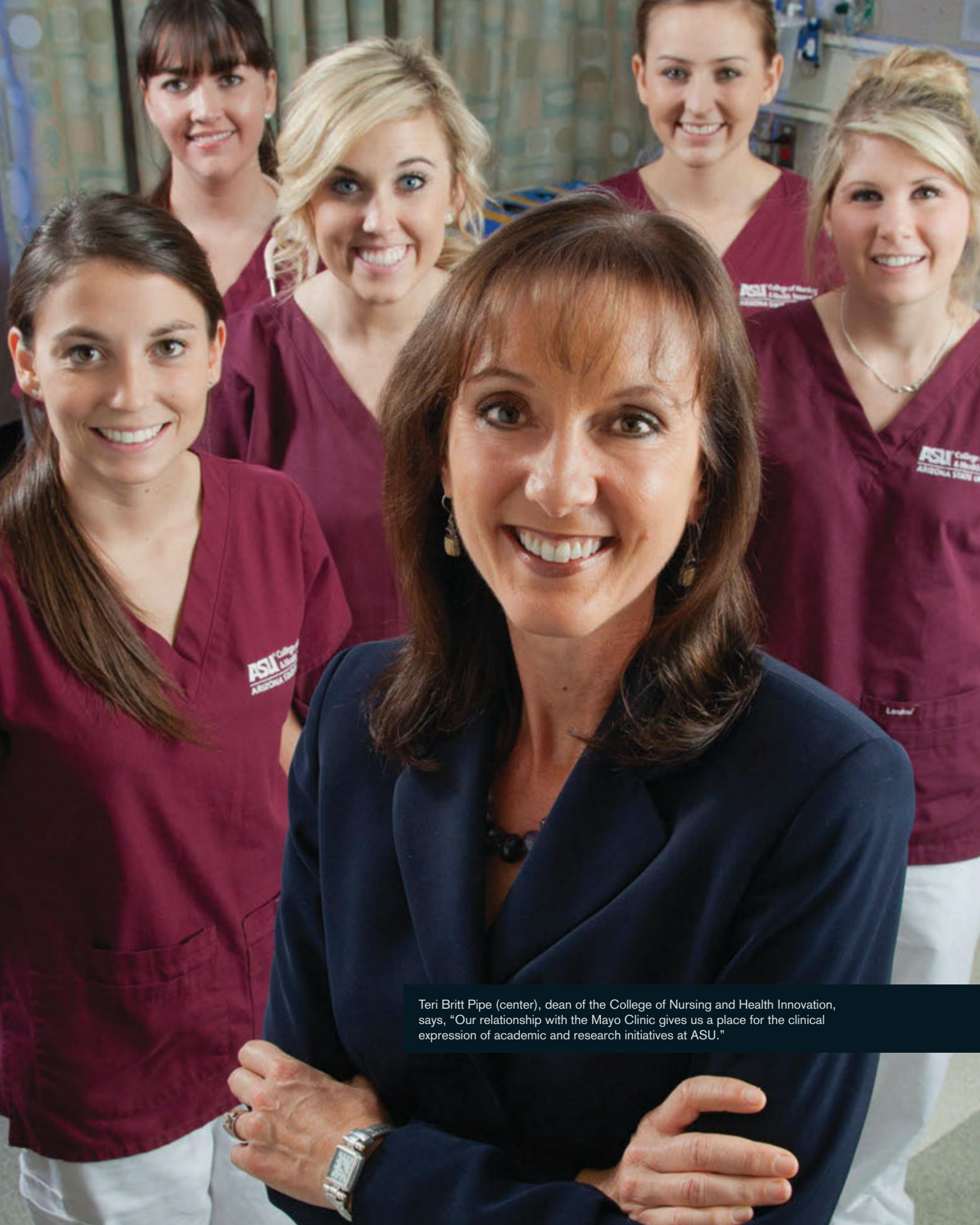
"We're at this inflection point in history," says Emerge co-founder Garreau. "For the first time in hundreds of thousands of years, our technologies are not so much aimed outward at modifying our environment in the fashion of fire, clothes, cities, agriculture and space travel. Increasingly now they're aimed inward at modifying our minds, memories, metabolisms, personalities and kids.

"And when you can do all that, you're in the stunning position of being the first species to take control of your own evolution," he continues. "Not in some distant science fiction future, but right now on our watch."

Tracy Mueller is a freelance writer based in Monterey, Calif.



Emerge conference goers tried their hands at digitally enhanced rounds of miniature golf developed by students and faculty from the Herberger Institute for Design and the Arts.



Teri Britt Pipe (center), dean of the College of Nursing and Health Innovation, says, "Our relationship with the Mayo Clinic gives us a place for the clinical expression of academic and research initiatives at ASU."

A healing partnership

ASU-Mayo collaboration is helping create the next generation of health science

A decade ago, ASU President Michael M. Crow and Victor Trastek, then the CEO of Mayo Clinic in Arizona, were both new in town. They decided to meet. One day, they got together at a local deli for turkey sandwiches. On a napkin, they mapped out how their organizations might work together and how they could have the biggest impact.

Ten years later, the collaboration mapped on the back of a napkin has grown far beyond the initial vision. ASU and the Mayo Clinic have created joint programs not only in health care, but just about anything that touches upon keeping people healthy: basic science, technology, business, law, even the arts and humanities. They have also collaborated extensively in the areas

By
Christopher
Vaughan



ASU President Michael M. Crow

of research, policy and education. What these two leaders envisioned over lunch has become not simply a partnership, but a melding of cultures, and an intellectual

cross-fertilization that is creating a whole new way of achieving good health.

Bound together by synergy and purpose

Within the next several years, Mayo Clinic is scheduled to open a branch of its medical school in Arizona, tying the institutions even more closely together as they initiate new activities designed to advance medical innovation. Ultimately, the university and the Mayo Clinic will be interlinked in a relationship that stands to effect the intellectual pursuits and personal health of nearly everyone at ASU.

“The two organizations are very complementary to each other,” says Keith D. Lindor, M.D., executive vice provost for Health Solutions and the dean of the College of Health Solutions. “ASU is a great



Keith Lindor, M.D., executive vice provost for Health Solutions at ASU.

university with a huge interest in health, but it doesn't have an academic medical center associated with it, while Mayo is interested in innovation and improving care while lowering costs, but it's tough to work through many of the key issues without the academic experts."

Two accepted realities regarding health care are that rapid change is coming, and the stakes are huge. With a growing aging population, the United States must find new ways of improving health outcomes while lowering costs. Lindor points out that the country is already starting from behind in some ways.

"Our costs for health care are extraordinarily high, but we rank 49th in the world in terms of lifespan," he says.

The ability to make a difference in that scenario is the major reason that Lindor came to ASU from the Mayo Clinic location in Rochester, Minn. "It was abundantly clear to me that the current healthcare system wasn't working and that this was the chance to jump into the middle of things with the resources of a huge university that is committed to social embeddedness," Lindor says.

Crow agreed the match between Mayo and ASU was a good one.

"ASU is a comprehensive university designed to deliver an outstanding education capable of transforming society," said Crow. "The chance to collaborate with a national, comprehensive clinical organization like the Mayo Clinic to produce more broadly educated physicians capable of delivering new, low-cost healthcare solutions is ideal."

From the very beginning, the collaboration had obvious advantages, says Keith Stewart, M.B., Ch.B., a physician leader at the Mayo Clinic who also has an M.B.A. and who is part of the team planning the future of the relationship.

"It's a very synergistic relationship," Stewart says. "The Mayo Clinic is among the best in the world in quality health care and bio-medical research, but we didn't have access to academic programs in the natural sciences, humanities, law, business, engineering or computing to name just a few. On the flip side, ASU didn't have access to a clinical partner with the depth and brand reputation of Mayo Clinic. There are not many places where ASU and the Mayo Clinic compete and many in which they can collaborate and partner."

The ASU/Mayo partnership has a greater ability to navigate and shape these changes than other academic medical centers, in part because it is not an academic medical center, says Wyatt Decker, M.D., CEO of the Mayo Clinic in Arizona.

"One reason we work so well together is our shared sense of purpose," he notes. "Mayo and ASU focus relentlessly on the needs of patients. It's this ability to focus on this main thing that makes this a super powerful collaboration."

One of the first joint programs, created several years ago, was a natural pairing. ASU has long been home to a fine nursing school, the College of Nursing and Health Innovation, and the Mayo Clinic did not have an academic program for nursing education. As a result of the collaboration, ASU nursing students now have the chance to get coveted clinical learning placements at the Mayo Clinic, and Mayo has the first opportunity to hire the most talented nurses and take part in their education.

Although professional training is the headline activity at the college, the more significant part of the collaboration may be found in the second part of the college's title: health innovation.



(left) Keith Stewart, M.B., Ch.B., a physician leader at Mayo Clinic Arizona. (right) Wyatt Decker, M.D., CEO of the Mayo Clinic in Arizona.

“ASU has a way to educate students that is very forward thinking, very pragmatic, very powerful and significant,” says Teri Britt Pipe, dean for the College of Nursing and Health Innovation. “One of the things that our relationship with the Mayo Clinic gives us is a place for the clinical expression of academic and research initiatives at ASU.”

Better health outcomes by design

Some of those innovations involve professions one might not normally associate with health care. ASU has brought engineers, architects, designers and even artists to the Mayo Clinic to evaluate how the facilities and equipment – even the design of a room – can improve health.

Gerri Lamb, an associate professor at the College of Nursing and Health Innovation and the Herberger Institute for Design and the Arts, works with graduate students on projects linking healthcare and building design. “I’ve had the experience of being in a hospital room with architects and nurses, and all the architect has to say is ‘what do you like or not like about working in this room?’” Lamb says. “Within

minutes, the nurses come up with 50 things that make working in the room better or worse. When healthcare professionals work with an architect or designer, they come up with solutions that help them become more effective and efficient.”

Designers also can improve health outcomes for patients, Lamb says. Things like where sinks are placed and what height they are set can make hand washing (and thus infection control) more likely. For patients, the way that waiting rooms look and are laid out can affect their expectations about getting well or their communication with staff. Small things like this affect health outcomes, something Lamb knows from academic studies, and also from personal experience.

“When one of my family members was treated at a cancer center, the waiting room had large glass windows that filled the room with light, which has a healing effect,” Lamb says. “On the other hand, the room was far away from where they were being treated, and the lack of contact with hospital staff was very isolating.

“I look at ‘how does the system really work for patients and their families?’ Especially the very

vulnerable,” Lamb continues. “What I look at is how do we make all the parts of a system work for people, so they get care they need?”

A radical inclusiveness

The involvement of designers and architects in health care is only one small example of a radical inclusiveness that Mayo Clinic and ASU are pioneering in all aspects of health care. On one level, that means creating joint degree programs that cover all the many kinds of expertise needed to carry out a health enterprise. The Mayo Clinic and ASU now collaborate on five M.D./master’s degree programs: law, biomedical informatics, biomedical engineering, mass communication and business administration.

When the first class of medical students graduates from the Arizona branch of the Mayo Medical School, they will also earn a new degree jointly designed by Mayo and ASU – a Master of Science in Health Care Delivery. The courses for the degree program will bring together students and professionals in medicine, pharmacy, nursing, social work, administration and business, and educate them together in all aspects of



Gerri Lamb (center), an associate professor of nursing at ASU's College of Nursing and Health Innovation and the Herberger Institute for Design and the Arts.

healthcare delivery, says Lamb, who was part of the group designing the curriculum for the program.

"Right now, we continue to educate students in professional silos and then expect them to come together and communicate and collaborate well," Lamb says. "We need to educate students so that they have experience working together and are prepared to be effective team members. Effective team performance is essential for providing high quality and cost-effective care," she says.

Collaborations beyond health

On another level, the radical inclusiveness of the ASU/Mayo collaboration means bringing together experts whose areas of expertise include mathematics, economics, physics and even astronomy. "In a broad sense, it's very powerful when you can bring experts in different disciplines together to intersect around an important issue," Decker asserts.

The fertile coming together of great minds around health care reminds Decker of another time, described in a book called



Gianrico Farrugia, M.D., director, Mayo Center for Individualized Medicine.

"The Medici Effect," which describes the period during the Renaissance when the Medici family flourished in what is now northern Italy because it became a patron of influential scientists, mathematicians, writers and artists of the era.

"We are getting our own Renaissance as a result of the collaboration with ASU, or our own burst of innovation," he says.

One of those with a front row seat to these bursts of innovation is Gianrico Farrugia, M.D., director of the Mayo Center for Individualized Medicine. One of the problems that occupies Farrugia's mind is how to make genomics useful to medical providers and patients.

Ultimately, knowing a patient's genetic profile can offer valuable information about their risks for certain disease and about what medications and treatments might work best.

"We each have 3 billion base pairs of information, so in order to make this information relevant to patients it is essential to use bioinformatics," Farrugia says. "ASU has a very strong bioinformatics program, which is very useful to us, and the Mayo Clinic has the patients ASU needs in order to provide the testing ground for new ideas."

Farrugia notes that a parallel situation exists for ASU's extensive research efforts in biomarkers – biological signs indicating a certain disease state – which will need a clinical collaborator with a large patient population to bring the promising science to fruition.

Farrugia also points out that ideas for medical innovation can go both ways, and that ASU and Mayo are co-investing in funding the best ideas from both institutions. "We ask for people's best ideas, ideas that are high risk – so they may not get funding from traditional sources – but also high



Judy Jolley Mohraz, president and CEO of the Virginia G. Piper Charitable Trust.

reward if they succeed," Farrugia says.

Others also are noticing the vast potential benefits of the ASU/Mayo collaboration and are bringing funds to the table. This year, the Virginia G. Piper Charitable Trust has established a \$10-million strategic investment fund at ASU to enable the university to improve all aspects of healthcare delivery. The trust will provide \$2 million per year for five years to provide seed funding for innovation in nine areas, such as bioinformatics, the Arizona Obesity Initiative, nutrition and health promotion, biological and systems engineering, and others.

"Every investment we make in ASU has had exceptional impact and we have no doubt that this one will as well," says Judy Jolley Mohraz, president and CEO of the Virginia G. Piper Charitable Trust. "ASU is a young institution with amazing growth and an incredible story to tell. The work that they are doing is tremendously important for our community, for health delivery and for the generation of knowledge."

One of the side benefits of the strong effort at healthcare innovation in the Valley may be improved economic health. One of

the markers of a developing nation coming of age is the ability to have a car industry, because making cars requires expertise in a wide range of disciplines – metalwork, glass, electronics, precision engineering, modern supply and inventory, and so on. Keith Lindor observes that modern healthcare research requires similarly broad expertise in disciplines, each of which spawns new industry and employments.

The city of Phoenix, ASU and Mayo Clinic will plan jointly for the Arizona Biomedical Corridor in northeast Phoenix, which will accommodate biotechnology companies and related research, clinical and academic uses, and support commercial development.

Distributing health in the future

The greatest trend in health care, according to Lindor, and the area in which ASU and Mayo Clinic can excel, is actually a movement away from the traditional concept of healthcare itself. "Delivery models will be much different (in the future), with much more reliance on people with a nursing background, a behavioral change background, an

education background, and not on physicians doing all those things," Lindor says. "We will move toward a distributed model."

And the focus of this distributed system will shift the emphasis from health care – taking care of people when they are sick, toward health – keeping people from getting sick in the first place.

"Just one example of this is that ASU has a program to help teachers be health ambassadors, imparting good nutrition and health habits in grade school, because many of us think that good health habits start early," Lindor says.

The only constant in the future of health improvement is change, Lindor says. "We envision what the future might look like and teach people to thrive in that future, but we also give them the flexibility to adapt to changes in that model."

Those involved in creating that future find the process thrilling. Britt Pipe speaks for many when she says, "I get so excited about it, I can hardly stand it."

Christopher Vaughan is a freelance science writer based in Menlo Park, Calif.

STEMming

ASU faculty addressing challenges in science, technology education

By Christopher Vaughan

For the roomful of junior high school students, it was a science class like no other: a square steel framework was lifted up near the classroom ceiling. Mounted on it were motion sensors, video projectors and speakers, all integrated into a computer system to create a compelling virtual reality across the floor, “like the holodeck on Star Trek,” says ASU research scientist Colleen Megowan-Romanowicz. In this Situated Multimedia Art Learning Lab (SMALLab), students are able to journey back in time by uncovering the geological layers of the Grand Canyon one by one, or be like a molecule reacting with other molecules in a beaker of water. “I’ve seen students walking out of the class saying, ‘Wow, this is the first time I’ve really understood chemistry all year long,’” says Megowan-Romanowicz.

SMALLab is one of many innovative programs at ASU aimed at increasing interest in science, technology, engineering and math (STEM) subjects among primary and secondary school students. The university has become a national leader in developing and instituting programs to address a national problem.

the tide



James Middleton (left), a professor of engineering education and Colleen Megowan-Romanowicz, a research scientist in the School of Arts, Media & Engineering, are two of many ASU faculty involved in STEM education efforts.

The numbers problem

Although the United States has been a world leader in research and technology, its students score only near the median in international science and math tests, and the country is not training enough scientists and engineers to stay in the lead.

“We are outsourcing high-paying jobs, either by bringing in foreign talent or sending jobs abroad,” Megowan-Romanowicz says. “A lot of the things we used to do here, we now send to India.”

There have been efforts to increase the number of engineers and scientists, but a study from Purdue University found that a third to a half of STEM students drop out of those programs, although the study found a similar rate in other majors. Engineers continue to have low status compared to other professions says, Tirupalavanam Ganesh, an assistant professor of engineering at ASU.

“The country needs so many more engineers, but we haven’t changed the education system,” Ganesh says.

Changing the game

Ganesh is one of many ASU scientists, engineers and educators who is working to change that system at all levels. One way in which Ganesh is doing that is by starting an afternoon program in Mesa public schools in which 7th graders build Lego robots that mimic the behavior of desert tortoises.

“We bring tortoises into the classroom, and invite experts to talk about what they eat, how they move and where they sleep, then have the kids work in teams to build robots that mimic that behavior.” The activity is the same one that he has his freshmen engineering students do at ASU, he says.

Some STEM programs are aimed at helping local schoolteachers. The Modeling Institute, an NSF-sponsored consortium of STEM education programs across all the Arizona State University campuses, offers numerous resources for educators, including a master’s education, Ask-A-Biologist, an educational resource for students preK-12, and their teachers and



“There is a lot of attention on trying to diversify engineering pathways.”

Tirupalavanam Ganesh

parents, and STEMNet, a series of professional development workshops and networking dinners for K-12 science and mathematics educators.

Students benefit directly from ASU’s expertise, too, through projects such as Middle School STEM Summer College-for-Kids, where students come to ASU to engage in workshops with names like “I Love Bugs,” “To the Moon, Mars and Beyond,” and “Game Creation Intensive.”

“It’s really great to see students transform over a two week period,” says Megowan-Romanowicz of the College-for-Kids program. “They get to spend time on a college campus and work in college labs. We’ve taken data over three summers now and so many kids who never saw themselves as college material left not only thinking that they were going to college but thinking that they would major in a STEM discipline.”

Influential alumni also are working to address the need for increasing the STEM pipeline. Former Motorola CEO Gary Tooker and his wife Diane, both ASU alumni, have donated \$4 million to ASU to endow five faculty positions within the Ira A. Fulton Schools of Engineering. These professors will work to strengthen K-12 education in STEM areas. Amy Landis, associate professor, School of Sustainable Engineering and the Built Environment, and B.L. Ramakrishna, associate professor, School for Engineering of Matter, Transport and Energy, were appointed as the inaugural Tooker Professors in June.

Minority report

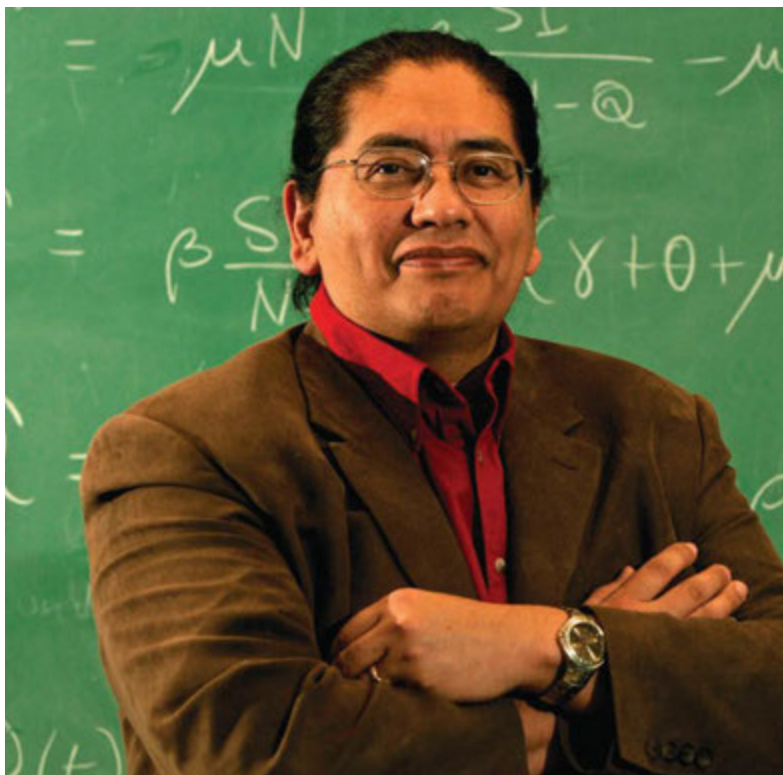
Many programs at ASU are not only aimed at increasing interest in STEM programs generally; they do double duty by increasing interest in science and engineering among those who historically have been less interested in such a career path. “There is a lot of attention on trying to diversify engineering pathways,” says Ganesh, who says that there is no reason more girls and minorities shouldn’t be interested in taking on a challenging program like engineering.

“When I was a student in India, about half of those in my engineering classes were women,” he says. When he came to the United States, he noticed that it was almost all men in engineering classes and wondered why. Ganesh has started a program called “Girls in Engineering” and is also working to make the subject more appealing to Latinos and other minorities.

The School of Earth and Space Exploration has a program called “Play Space Science,” for instance, which James Middleton, a professor of engineering education in the School for Engineering of Matter, Transport and Energy of the Ira A. Fulton Schools of Engineering, says speaks to the cultural interests of Navajo kids by tying science to an exploration of the importance of place.

“We still have more to do, but we have made huge strides in bringing in more kids in minority populations, and the gender gap has closed significantly,” Middleton says.

Mathematics Professor Carlos Castillo-Chavez



“When high school students aren’t taking math, when they come to college, the number of courses they can take is severely limited.”

Carlos Castillo-Chavez

points out that ASU has made great strides in training minority mathematicians. Recently, ASU was recognized as the nation’s leader in producing math Ph.D.s who are members of underrepresented communities. ASU also has long reached out to the area’s most challenged schools.

“When high school students aren’t taking math, when they come to college, the number of courses they can take is severely limited,” Castillo-Chavez said.

Every year, students from underperforming schools come to ASU and take intensive math courses through the Joaquin Bustoz Math Science Honors Program. The initiative is an intense academic program that provides motivated students an opportunity to begin university-level mathematics and science studies before graduating high school.

The program gets 300 applications per year and takes 80-120 students. “We give priority to families making less than \$50,000 a year,” Castillo-Chavez says. “When they graduate from high school they will have taken math courses for college credit and will know they can handle college-level work.”

Hitting multiple targets

Although there is intense commitment to STEM education at ASU, some see opportunities for improvement in STEM programs. Middleton, who is also director of the Center for Education in Science, Mathematics, Engineering and Technology (CRESMET), observes that there really is no single STEM “program” at ASU—there is only a collection

of many different independent programs.

“There are a lot of things going on, but there is not a lot of coordination across departments, schools and programs,” Middleton says.

Middleton sees ways in which more interaction between the programs would strengthen them, but at the same time he thinks that smaller independent programs may be more practical. “It may be that it’s a better model to have targeted efforts rather than a large, generic effort,” Middleton says. “This is a question that the country as a whole is dealing with.”

It is also one of many important questions that ASU can help answer, Middleton says. Another is how to scale up pilot programs into a truly comprehensive, sustainable STEM education system. “The need is still huge, and how you scale up is a fundamental problem,” he says. “In Arizona, it requires working with NAU and the U of A, and with business communities around the state.”

Middleton believes that ASU’s many STEM education programs and the university’s longstanding interest in reshaping the whole educational enterprise make it a natural leader in the nation and the world in modeling what science and technology education should be.

“We need to be defining what the next generation of STEM teaching and learning should be,” Middleton says. “We have the tools—now we need to define the agenda for the rest of the world.”

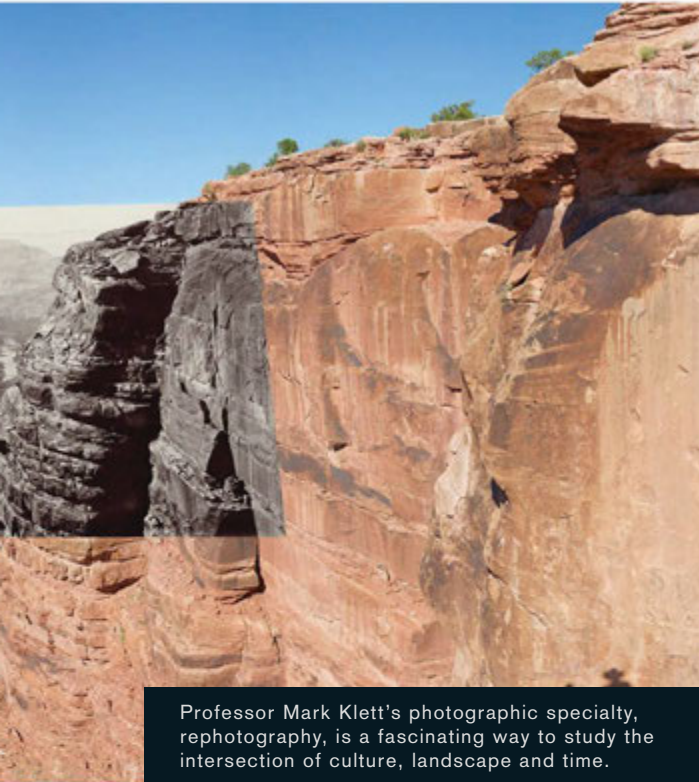
Christopher Vaughan is a freelance science writer based in Menlo Park, Calif.

The long lens of history

Professor uses rephotography technique to travel through time

By Oriana Parker





Professor Mark Klett's photographic specialty, rephotography, is a fascinating way to study the intersection of culture, landscape and time.

As the saying goes, you can't go home again, but Mark Klett has built a good chunk of his career on returning to the scene of historic sites and providing an update through a technique known as "rephotography."

According to Klett, a Regents' Professor of photography in the School of Art at the Herberger Institute for Design and the Arts, rephotography is a fascinating way to study the intersection of culture, landscape and time.

"I take a photo from an earlier time period, return to the same locale, and create a new photograph of that exact spot," he explained. "Among the subjects I've explored and developed into books are the Yosemite National Park and the site of the 1906 San Francisco earthquake and fire."

Starting out as a geologist, Klett became intrigued by the interaction of people with the land. The American West eventually attracted his attention; a growing interest in this subject led to uncovering photographs taken more than a century ago and triggered the idea of revisiting and recapturing the same sites. Klett was able to fuel this exploration with fellowships from the Guggenheim Foundation, the National Endowment for the Arts, the Buhl Foundation, and the Japan/U.S. Friendship Commission.

Utilizing rephotography as an exploratory tool, Klett and his colleagues have created numerous books set in the West during the last 30 years. One of the most popular is "Yosemite in Time", which includes a view of Lake Tenaya, where Edward Weston and Ansel Adams made photographic history. Another tome, "Half-Life of History," features more than 70 photographs of a secret airbase in Wendover, Nev., where pilots and crews were trained for the mission to drop the atomic bomb that ended World War II.

Moving beyond 2-D

Klett and his collaborators have taken full advantage of technological advances to enhance their books and exhibits. In his book "Third View: Second Sight," which revisits 109 sites in the American West that were originally photographed as part of land surveys, the new photographs are supplemented with recorded interviews and sound effects, as well as videotaped details, such as special artifacts.

These collateral audio/visual gems are captured on an interactive DVD that accompanies the printed book. With the click of a computer mouse, viewers can experience animated walk-arounds in eight western states.

Klett says he feels such technology enhances, rather than threatens, the creative process of photography.

"Photography has always been a technology-driven medium," says Klett. "What I like about the digital process is the facilitation of new ideas."

Getting out in the field

Klett's students say they enjoy the emphasis on fieldwork in his classes. During one assignment, Scott Warren, a doctoral student in ASU's School of Geographical Sciences and Urban Planning, traveled to Ajo, Ariz., with student photographer Jason Roehner and Klett.

"I trawled historic archives for old photos of Ajo while Jason rephotographed those same locations and put the old and new together," says Warren. "Mark was both a contributor and an advisor - this is one of his strengths," says Warren. "Joining us in the field and discussing techniques and ideas, his teaching is participatory."

Klett said fieldwork was a way for students to better understand the location they were photographing, and that he encouraged work close to the Valley of the Sun, in addition to more far-flung locales.

"I feel it is very important to go out with the students and work with them," he said. "I also want them to become involved with projects that have meaning to communities, both in the Phoenix metro area as well as outlying areas."

Working together for community benefit

One way in which Klett is encouraging Phoenix-area involvement is through the Phoenix Transect project. It's an interdisciplinary research project of the School of Art, in which visual artists who work alongside social scientists to explore the changes to the people, natural environments and resources of the metropolitan area.

Working across disciplines is second nature in Klett's classes; course topics regularly touch upon issues of art, sociology, geography, communications, sustainability and urban planning.

"The cross-disciplinary approach coincides with the university's efforts to engage students campus-wide in initiatives such as sustainability," points out Klett. "Many of my colleagues in other fields are quite interested in having their graduate students work across traditional boundaries."

Students also are quite enthusiastic about the long-term benefits engendered by the interdisciplinary nature of Klett's class. "I've really learned to think creatively about ways to present my work," says Warren. "The Ajo project was displayed in art galleries."



Photography on a grand scale

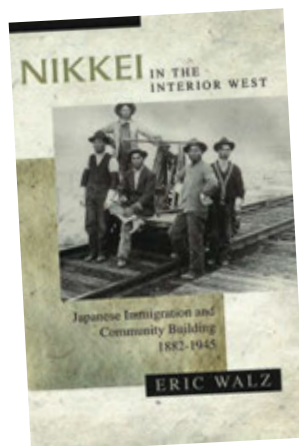
Klett's latest book, "Reconstructing the View: The Grand Canyon Photographs of Mark Klett and Byron Wolfe," came out in October. The work is a change of pace for Klett and his co-author, as it examines a natural wonder that is far less changed than many of the sites he has previously examined.

"Cities are in a constant state of change; even a year can make a difference," said Klett. However, at the Grand Canyon, "the span of 100 years is hardly a blink in geological time."

"Comparing historic photographs of the Canyon to the present day view demands that one looks for minute changes that are hardly visible," he noted. "However, we're most interested in how people's perceptions of this iconic site have changed as reflected by popular art and photography."

Oriana Parker is a Scottsdale-based arts writer.

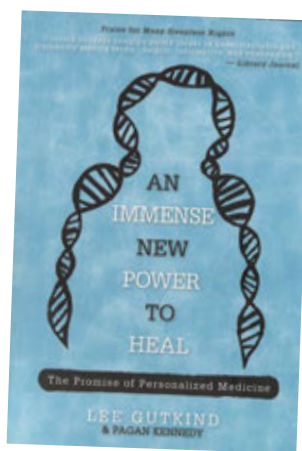
Student photographer Jason Roehner (left) and Scott Warren (right), a graduate student in the School of Geographical Sciences and Urban Planning, collaborated on a photography project in Ajo, Ariz., which Klett supervised. Some of the artifact images collected during that project are shown behind and at right of them.



Nikkei in the Interior West: Japanese Immigration and Community Building 1882-1945

*By Eric Walz '98 Ph.D.,
The University of
Arizona Press.*

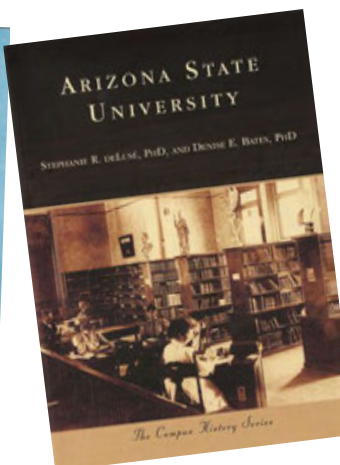
Long before World War II, Pearl Harbor and the forced relocation of Japanese Americans from the West Coast of the United States to western interior states, as many as 12,000 Japanese immigrants settled in the states of Arizona, Colorado, Idaho, Nebraska and Utah. Individuals or very small groups arrived first in search of work on this frontier and initiated the subsequent periods of settlement and family that significantly influenced the development of the West. Drawing from oral histories, journal entries, newspaper accounts, organization records and local histories, the work considers historical, geographical, sociological and cultural factors that influenced these early Americans, many of whom became community leaders and all of whom faced discrimination and prejudice that escalated during the war years.



An Immense New Power to Heal: The Promise of Personalized Medicine

By Lee Gutkind and Pagan Kennedy, In Fact Books.

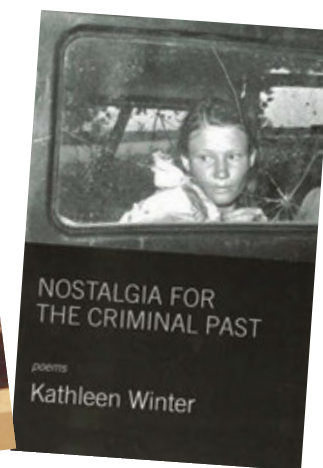
ASU Magazine reports frequently on university researchers who are pioneering the field of personalized medicine – a field in which information from one's genetic code and the use of emerging technologies hold the potential to prevent some illnesses before they even manifest in the body. Gutkind, a professor in ASU's Hugh Downs School of Human Communication and writer in residence at the Center for Science Policy Outcomes, uses his considerable skills as a master of narrative nonfiction to bring the human side of these amazing discoveries to light. Readers see detailed behind-the-scenes glimpses of those who are at the center of this ever-changing area of inquiry – the researchers, physicians, patients, health advocates and others – bringing their struggles and triumphs into focus. Gutkind also weaves a considerable amount of science into the stories he presents, increasing the reader's understanding of the complexity of this endeavor.



Arizona State University: The Campus History Series

*By Stephanie DeLuse '91 B.S., '95 M.A., '99 Ph.D. and Denise Bates '07 Ph.D.,
Arcadia Publishing.*

While many Sun Devils find ASU's history intriguing, serious students of Arizona State University's background tend, after a while, to see many of the same photos appear in image collections. However, DeLuse, an Honors Faculty Fellow at Barrett, the Honors College at ASU, and Bates, a senior lecturer in the Interdisciplinary Studies program of the School of Letters and Sciences, have culled some fresh visuals from a variety of sources and curated them well, adding lots of insight into the context of the photo with their lengthy captions. Photos of the institution's days as a teacher's college are here, stretching back into the 19th century, as well as images that capture life on ASU's campuses in the 1990s and 2000s. From the earliest iterations of the Sun Devil mascot to documentation of "singing period" in the school's living spaces in the 1890s, this book is a trove containing many rare visuals from the university's history and is a must for any true fan of ASU.



Nostalgia for the Criminal Past

*By Kathleen Winter '11
M.F.A., Elixir Press.*

This debut poetry collection received the 2011 Antivenom Prize from Elixir Press for a first or second poetry collection. Firmly sourced in the external worlds of nature and other and in the internal world of self, Winter's free verse lyrics and prose poems grasp each side of the external-internal and shake free for reflection a precise content of the space between the two. Some of the poems are fun; many are beautiful. All tend to pull the reader up short with the introduction of startling metaphor, unanticipated juxtapositions. As a collection, the work rolls along with the same musicality as each of the individual poems while it explores complex themes of mortality, relationship, loss and joy. Many readers are likely to enjoy the work's fearless bounding from image to image, idea to idea as the poet engages topics of lasting significance to humanity.

Good as gold

Alumni Association activities enhance the alumni experience



If there is a hallmark of the ASU Alumni Association, it is action. Thanks to the organization's efforts, Sun Devils meet, relationships are cemented, and new ideas are born.

The association hosts hundreds of events each year, connecting alumni with each other, ASU students, faculty and staff, and other university supporters. Here is a snapshot of activities that were conducted by the association between June and November.

Signature events celebrate football greats, academic opportunity

The Alumni Association held its annual salute to ASU's football program, the **Legends Luncheon**, on Oct. 26. This year, the spotlight was turned on the nearly 200 Sun Devil players who played professionally in the National Football League.

Nearly 800 fans converged on the Sheraton Downtown Phoenix Hotel to enjoy memories shared by current and former pro players who got their start at ASU, and were able to glean autographs from the 60 players who returned for the event, including panelists Ron Pritchard, Mike Haynes, Luis Zendejas and Phillip Sparks.

Legends Luncheon kicked off the Alumni Association's participation in ASU's **Homecoming 2012** celebration, which had as its theme "A Golden Decade," celebrating the university's achievements from 2002 to 2012. Later on Oct. 26, the Student Alumni Association participated in the Lantern Walk, one of the university's longest-running traditions. On Saturday, Oct. 27, the association sponsored several entries in the Homecoming Parade, and welcomed alumni and their families back to the Tempe campus at the Homecoming Block Party held before the game against the UCLA Bruins. At halftime of the game, the Alumni Association honored commendable ASU alumni and supporters with its Homecoming Awards. S. Harry Robertson '56 B.S. received the Alumni Service Award; George Diaz, Jr. '96 B.S., '99 M.P.A., was honored with the Past Chair's Award.

Snap the QR Code to view photos and videos from Legends Luncheon





Title IX: Inspiring Opportunities



Legacy Scholarship Luncheon

On Nov. 9, the association's Women in Business program presented **Title IX: Inspiring Opportunity**, a celebration of the 40th anniversary of the passage of Title IX, federal legislation that paved the way for equal opportunities in education and sports for women and girls. More than 200 guests gathered at the Arizona Biltmore Resort & Spa to learn more about the impact of Title IX from a panel of speakers that included author and athlete Lyn St. James, ASU women's basketball Head Coach Charli Turner Thorne, Sharon Harper, president and CEO of the Plaza Companies and Sister Lynn Winsor, vice principal for activities and athletics director, at Xavier College Preparatory. The panel was moderated by azcentral sports columnist Paola Boivin.

Sun Devils connect at summer and fall events

Beyond the Alumni Association's signature events, the organization hosted scores of other activities that connected alums with each other and with current ASU students during the summer and fall.

Alumni chapters all over the United States held more than 36 **Sun Devil Send-Offs** during June, July and August, in locations

including Los Angeles, Minneapolis, Portland, New York and Chicago. Hundreds of incoming ASU students and their families were welcomed into the university family at these events, and were able to ask alumni about their experiences at ASU. The association also facilitated Sun Devil Send-Offs in Shanghai and Beijing, China.

Once college football season arrived, the association pumped up the spirit at ASU away games with its **Sparky's Touchdown Tailgates**, held this year at the University of Missouri on Sept. 15, at the University of California-Berkeley on Sept. 29 and at USC on Nov. 10. More than 1,000 fans showed up for these events and were treated to special guest speakers, performances by the ASU Spirit Squad and the ASU Marching Band, great food, lots of



ASYA RnR



Women In Business

maroon and gold, and fun for the entire family.

Alumni Career Resources was very busy assisting Sun Devils in managing their careers, hosting mixers throughout the summer for its **Maroon & Gold Professionals** and **Women in Business** groups at the Salty Seniorita, Canteen Modern Tequila Bar, and The Thirsty Lion. More than 300 individuals braved the heat to meet other ASU grads and enhance their professional network. An early June "Techiepolooza" event sponsored by the ASU Entrepreneurs alumni club brought together the technology and entrepreneurial communities in Phoenix. The program hosted two career development seminars headlined by alumni experts during this period, with personal transformation



Sparky Plates



Generations Grandparents Day



ASYA Pool Party

coach Chris Dorris instructing attendees on what it takes to be an “executive athlete” and management consultant Marnie Green discussing how to achieve painless performance reviews. For videos recapping these exciting events, visit the Alumni Association’s career blog at alumni.asu.edu/news/blog/.

The Alumni Association helped graduates under age 35 connect with one another through its **Arizona State Young Alumni (ASYA)** program. ASYA participated in a joint mixer with young alums from the University of Arizona on June 7, sponsored a day at the Arizona Diamondbacks on July 7, and celebrated their fourth annual “Not Going Back to School” networking event on Aug. 23, the first day of classes at ASU. The group also hosted several game-watching tailgates during football season at popular Valley locations. ASYA’s affiliates in San Francisco, Seattle, New York, and Tucson hosted social events during the summer that included brunches, happy hours and networking mixers.

Additional events

The Alumni Association’s group for ASU faculty and staff, the **U Devils**, hosted a U Paint Event on June 5. Employees enjoyed food, drinks and great music while learning to paint alongside their Sun Devil colleagues, with materials and instruction provided by Brush Bar in Scottsdale.

A **Legacy Scholarship Luncheon** in August welcomed the new recipients of the Alumni Association’s scholarship for relatives of the association’s due-paying members. This is the

third year that the association has offered the scholarship.

The Alumni Association held an Aug. 24 **ribbon-cutting ceremony** celebrating Old Main becoming an authorized third-party plate provider for the Arizona Department of Transportation’s Motor Vehicle Division. The Old Main location sells personalized and non-personalized ASU collegiate license plates, also known as Sparky plates, which benefit the association’s Medallion Scholarship Program.

Sun Devil Generations had an enjoyable **Grandparents’ Day brunch** at the University Club on Sept. 8, and hosted their very own tailgate for ASU families with young children on Sept. 22.

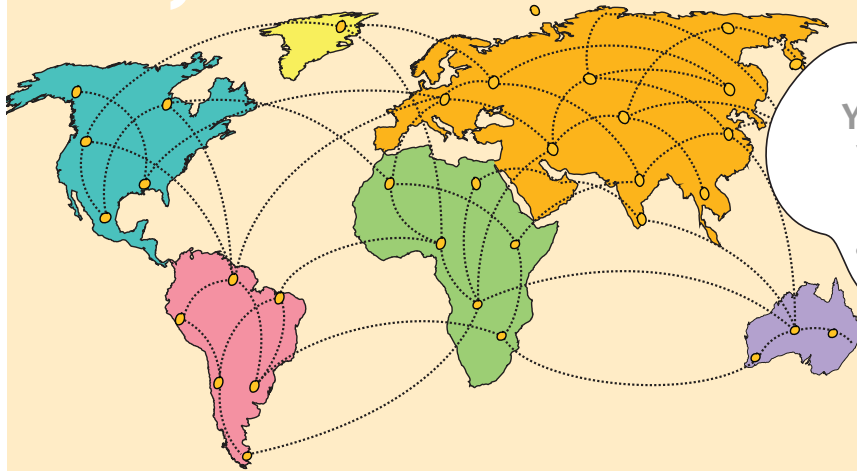
The Student Alumni Association had more than 1,200 students participate in its annual **Whitewash the A** event on Aug. 25, and SAA members participated in the Sun Devils on Mill events before ASU home football games this fall.

The **Senior Year Experience**, the Alumni Association’s program for undergraduates in their final year at ASU, hosted kick-off events on all four campuses during September. The events provided games, food, giveaways and information on the programs and activities hosted by SYE during the academic year.

By Liz Massey, managing editor of ASU Magazine.

Want more? You can view photos from dozens of recent ASU Alumni Association-sponsored events at alumni.asu.edu or on our Facebook page: www.facebook.com/ASUALumni.

Oh, the Places You'll Go!



Oh! the places you'll go!
 You have brains in your head.
 You have feet in your shoes.
 You can steer yourself
 any direction you choose. ...

Dr. Seuss (1990)

Sun Devils,
 Share with ASU where you've been and plan
 on going by posting a Class Note!
 You could be featured in ASU Magazine.

ASU ALUMNI
 ARIZONA STATE UNIVERSITY
alumni.asu.edu/classnotes



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I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).

Reports from the Sun Devil Nation



Los Angeles alumni enjoyed a festive day at the Dodgers game this summer.

Austin

Our chapter has a busy schedule planned for the spring! We have our annual Sun Devil wine tour and our longest running event, the golf tournament, coming up in February and March. We also expect to have a great turnout in April for our Pat's Run shadow run. We will host a Sun Devil Send-Off at Lady Bird Lake early in the summer to meet the new ASU students from Central Texas.

An additional source of excitement for Texas Sun Devils this year stems from the availability of an ASU license plate in our state. To register to receive more information about purchasing a Sparky plate in Texas, visit: www.myplates.com/go/asu. Updated information on our spring events is available online at alumni.asu.edu/chapters/austin and by connecting to the chapter on Facebook, LinkedIn, and Twitter.

Contact: Travis Snell, Stoic.cactus@gmail.com.

Black Alumni

The ASU Black Alumni would like to thank all of its members for their support

during the past academic year. The year would not have been a success without you! Thanks to the financial support of many donors and fundraising efforts by the chapter, ASU Black Alumni was able to award two \$2,000 scholarships this year.

We look forward to seeing you at our events this spring, and to your future support as we bring more activities to you. For up-to-date information on our events, visit us online at alumni.asu.edu/chapters/asu-black-alumni.

Contact: Jason Haile, blacksundevils@gmail.com.

Chicago

Our chapter enjoyed playing in the first Pac-12 volleyball tournament in our city and participated in the annual Pac the Stockings wine tasting event this month. We also spread ASU spirit with packed houses at Cubby Bear for football game-watching tailgates throughout the season.

We hope to see you this winter for basketball game-watching tailgates at the Cubby Bear, dinner outings and our annual volunteer event at the Chicago Food Depository. We also will gather as a chapter when the ASU hockey club plays in Chicago in March. For more

information, visit alumni.asu.edu/chapters/chicago.

Contact: Ryan Dromgoole, Asuchicagoalumni@gmail.com.

Colorado

Our chapter continues to expand its influence. Football game-watching tailgates continue to get bigger and bigger at Blake Street Tavern. And be on the look out for our spring networking event in Colorado Springs!

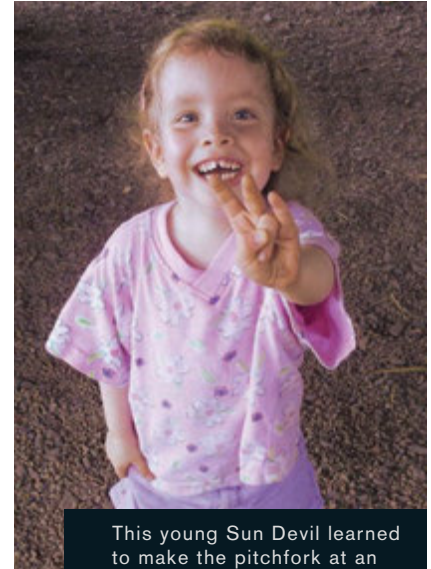
Our chapter's signature event, ASU Ski and Board Day, is coming in early 2013. If you haven't already registered, get ready to strap on your boots and get on your snowboard or skis. Last year was so much fun, we have decided to split and go to both Copper Mountain and Breckenridge this year, followed by a reunion at a post-event meal in Frisco. Come join other ASU alumni to take in the clean air and hopefully a foot of fresh powder!

For more information, visit alumni.asu.edu/chapters/colorado.

Contact: Shaun "Alex" Bainbridge, Bainbridge@asu.edu.



Sun Devils of all ages mingled at Greater Philadelphia's Southwest-style family picnic in August.



This young Sun Devil learned to make the pitchfork at an event held by the Greater Philadelphia chapter.

College of Technology & Innovation

Our chapter would like to recognize a group of College of Technology & Innovation alumni and their vertical wall-scaling invention called SM-7 that recently caught the attention of national electronics retailer Best Buy. The project was featured as part of Best Buy's "Future Innovators" series online and in a nationally televised commercial that ran throughout the NBA playoffs. (It can be viewed online at www.youtube.com/watch?v=qaPBjg7C87w.)

The seven alumni, all engineering graduates, created a vacuum-powered, one-man climbing system as part of a competition designed by the Air Force Research Laboratory. The device was built to allow a user to climb higher, faster and with less effort than current techniques, while also keeping one hand free for communications equipment.

The students and faculty mentors researched, designed and developed a prototype that they tested before competing against 15 other schools at Wright State University's Calamityville tactical laboratory in Ohio. The project was part of CTI's iProjects program, which is designed to connect students and the college with industry partners in order to create innovative solutions to real-world problems.

We salute SM-7 team members Kyle Barrette, Scott Goodin, Robert Morales, Rafael Ramirez, Kevin Scott, Zach Wilson and Johnathon Wright, and their faculty mentors, Sangram Redkar and

Thomas Sugar.

For more information on our alumni group, please visit us online at alumni.asu.edu/chapters/college-technology-and-innovation.

Contact: Brittany Allcott, Brittany.Allcott@asu.edu.

Greater New York

Our chapter enjoyed another season of spirited football game-watching tailgates this fall. Coming early next year will be our annual trip to a New York Rangers hockey game and our Pulmonary Fibrosis fundraiser. For more information, visit us online at alumni.asu.edu/chapters/new-york.

Contact: Jon Katz, ny_sundevils@thesundevils.com.

Greater Philadelphia

It was truly a Sun Devil summer in Philadelphia. Thanks to everyone who came out for our Sun Devil Southwest-style family picnic! Our signature event was a delicious success. Thanks also to ASU football legend Jim Shaughnessy and his wife Patty for hosting our Sun Devil Send-Off!

Our chapter was honored to host Philadelphia's annual Pac-12 football season kick-off networking mixer. It's always a good time when we get together with the alums from other schools in ASU's home conference to reminisce about our college days "out west." We also implemented new member meet and greets this fall, which are low-

key events held around the tri-state area to introduce local alumni to our group.

Check our Facebook page or the website alumni.asu.edu/chapters/philadelphia for the latest on upcoming events.

Contact: Fernando Torres, PhillySunDevils@gmail.com.

Ira A. Fulton Schools of Engineering

The turnout for our chapter's annual May networking mixer exceeded last year's, and we expect the next mixer in January to be even larger. We engage new graduates with these mixers, and we also help ongoing members stay in touch with one another, as well as offering a venue for networking opportunities with potential employers. Thanks to all who have attended the mixers, and to the Engineering Career Center for its continued support and coordination of the employers.

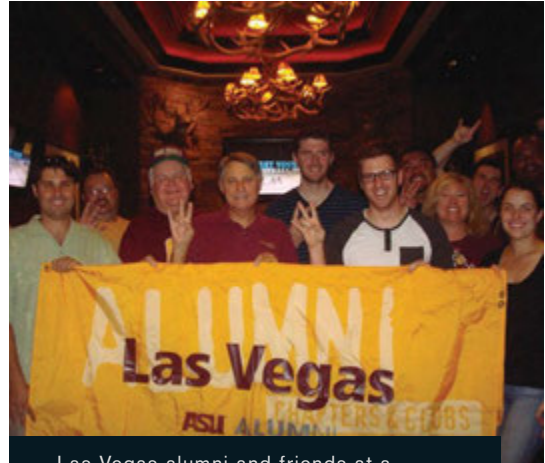
Engineering alumni volunteered in record numbers this fall for the E2 Camp this year, which brings freshmen engineering students to Prescott for an innovative ASU orientation program. This event gives new Sun Devils a great kick-start to their academic careers. Thanks alumni volunteers!

Every engineering alum is welcome at our events. Check out upcoming programs at alumni.asu.edu/chapters/ira-fulton-schools-engineering.

Contact: Rick Hudson, rick.hudson@srpnet.com.



Alumni Association President Christine K. Wilkinson (front row, first on left) and ASU President Michael M. Crow (back row, third from right) were among a host of distinguished ASU deans, faculty, alumni and supporters who participated in the Los Angeles chapter's "LA Stories" media and entertainment panel discussion event on Oct. 19.



Las Vegas alumni and friends at a game-watching tailgate.



ASU alums participate in a Pat's Run shadow run in Las Vegas.

Las Vegas

ASU pride is being shared in a different desert with the Las Vegas Sun Devils! We had our own Pat's Run shadow run in the spring and had a great turnout! We had a lovely Sun Devil Send-Off in July – it was great to meet the next generation of Sun Devils.

This fall, we enjoyed cheering on our team with football game-watching tailgates and had a chance to support some alumni businesses in the city. We're looking forward to some chapter-sponsored volunteer activities in the spring, including participation in ASU Cares! For more information, visit

alumni.asu.edu/chapters/las-vegas.
Contact: Jeremy Bradshaw,
jw.bradshaw@yahoo.com.

LGBT Devils' Pride

Our chapter would like to thank everyone who attended and participated in our meetings, events, and programs in 2012. We are looking forward to a successful 2013, where we will focus on growing our chapter's membership with your support. To keep up on chapter news, visit us online at alumni.asu.edu/chapters/lgbt-devils-pride.

Contact: Gabriel Escontrías, Jr., Gabriel.
Escontrias@asu.edu.

Los Angeles

Our chapter just wrapped up a busy fall, including a Sun Devil Alumni in Media and Entertainment panel on Oct. 19 hosted by alumnus Christopher Cookson '69 B.S.E., '70 M.B.A. at Sony Pictures Studios. The event was attended by key ASU representatives, including deans, faculty and ASU President Michael M. Crow, as well as distinguished local alumni. A big thanks to everyone who helped make this event possible.

We hosted a great Sparky's Touchdown Tailgate in November, where we celebrated head football coach Todd Graham's debut in Los Angeles against the USC Trojans. And we just finished competing against the University of Arizona's local alumni chapter in the 13th Annual Duel in the Desert Bowling Tournament before the ASU-U of A Territorial Cup game.

Thanks to generous support from local donors, we will be awarding three \$1,000 scholarships to L.A. area students attending ASU in January or February. We'll also host Maroon and Gold Networking events and chapter happy hours, community service events as part of the ASU Cares initiative, and our annual Pat's Run shadow run in April.

For more information, visit our website at alumni.asu.edu/chapters/los-angeles or look for us on Facebook (LA Sun Devils). Contact: Eddie DeVall, devall@aol.com.

Orange County

Our chapter members are excited about their upcoming signature year-end event, a dinner and viewing party centered on the annual Christmas Boat Parade in Newport Beach, Calif. All Sun Devils and their families are welcome to attend this fun event!

Connect with the OC Sun Devils on Facebook or visit us online at alumni.asu.edu/chapters/orange-county.

Contact: Chris Bissonnette,
chrisbissonnette@aol.com.

San Diego

Our chapter held its first brewery tour this past summer, visiting three San Diego craft breweries in a Swiss military transporter. We were given a behind the scenes tour at the Lost Abbey brewery, where we learned about the brewing and bottling process, with plenty of samples along the way. It was a great way to launch our new signature event and raise money for our scholarship fund!

Alumna Kristin Bean hosted San Diego's Sun Devil Send-Off during the summer, providing a wonderful brunch that gave us the opportunity to welcome 18 new Sun Devils to the ASU community. During football season, we held our popular game-watching tailgates in downtown San Diego and in Carlsbad.

For more information on our chapter, visit alumni.asu.edu/chapters/san-diego.

Contact: Alice Vollmer, alicevollmer@gmail.com.



Incoming ASU students were welcomed and celebrated at the Sun Devil Send-Off in Western Pennsylvania.

Twin Cities

Thanks to everyone who attended our Sun Devil Send-off in August! It was a great opportunity for local students to connect and get excited about heading off to ASU.

If you live outside the Twin Cities, but still want to be involved with the chapter, we are looking for a few alums to help organize events in outlying communities and bring together Sun Devil alumni. If you are interested, please contact Kate Lyons at Twincitiessundevils@gmail.com.

Our chapter is now on Facebook! Stay connected with us at: <http://facebook.com/twincitiessundevils>.

You also can visit us online at alumni.asu.edu/chapters/twin-cities.

Contact: Kate Lyons,
Twincitiessundevils@gmail.com

Western Pennsylvania

ASU alumni and friends residing throughout western Pennsylvania, eastern Ohio and West Virginia can continue to count on us to unite all local Sun Devils. We offer game-watching tailgates throughout the football and basketball seasons, and our visits to cultural events in western Pennsylvania have been tremendously successful.

Earlier this year, we experienced a very entertaining evening at a concert entitled "Come Fly Away," which featured the music of Frank Sinatra. We created a fabulous Cinco de Mayo celebration in May with homemade Mexican dishes, and we'll be gathering for a special Christmas concert in Pittsburgh's illustrious Heinz Hall, and afterward we will enjoy dessert together at a restaurant close to the venue.

For chapter updates, visit alumni.asu.edu/chapters/western-pa.

Contact: Charles Tichy, charles.tichy@sru.edu



San Diego alums pose in front of the Swiss military transporter that was their ride during their first annual brewery tour.

Collected wisdom

Kevin Tomkins



Looking at her husband's expression is enough to tell Julie Tomkins that her husband is about to enter Sun Devil Country.

"Even today, after 22 years, he looks like a little kid on Christmas morning when we fly into Phoenix," she said. Kevin Tomkins earned his bachelor's degree in organizational communication from Arizona State University. Experiences that defined his time at the university served as a catalyst to his devotion to ASU today.

Academic and athletic traditions became part of Tomkins core, as he studied, became involved and attended sporting events.

"I really enjoyed the people. ASU attracts outgoing, positive students," he said.

Tomkins asserts that he owns more Arizona State paraphernalia than "anyone alive" today. His collection is legendary, including everything from his customized ASU golf cart (equipped with a tailgating barbecue hook-up) to Rose Bowl memorabilia. His game room is filled with autographed baseballs, softballs from ASU's national championships, and a commissioned painting of the ASU football team. Most of the collection comes from events and eBay.

"My friends who went to other schools walk in there and sort of get the heebie-jeebies," he said. "My wife is convinced that there is not an article of ASU clothing that I don't own. The woman who runs the stadium shop knows me."

Today, he is known around his Arcadia, Calif., neighborhood as an avid ASU fan, hosting tailgating parties, a golf tournament to benefit ASU athletics, and ASU send-offs for new students through the Los Angeles chapter of the ASU Alumni Association.

"It's a way for incoming students to meet new people and get their questions answered," he said. "We supply the house, food and ASU atmosphere."

Tomkins' inspiration to support ASU Future Sun Devils is his way of giving back to the university. He's also providing ASU inspiration among ardent California fans. When he first moved into his home, two neighboring families were University of Southern California supporters.

"Four of their five kids ended up going to ASU. I'd like to think that I had something to do with that," he said.

By Julie Newberg, a media relations officer at ASU and a Phoenix-based freelance writer.

2010s

Eric Anzalone '12 B.A., a member of the disco group the Village People, announced the release of his autobiographical novel, "Collisions Course," by Dog Ear Publishing.

William Gardiner '12 B.S.E.E. joined Koh Young America as a field service engineer on the technical support team after traveling to Thailand for six weeks and to South Africa for seven months for volunteer work.

◆ **Krystal Klei '12 B.A.** joined ABC affiliate KVIA TV 7 in El Paso, Texas, as a weekend meteorologist and reporter.

Kathryn Nauman '12 B.A. accepted a position as assistant for membership and industry relations with the Academy of Country Music.

◆ **Dan Neligh '12 B.A.** won first place and \$5,000 in the category of national television broadcast in the national championships of the William Randolph Hearst Foundation's Journalism Awards Program.

Nathan O'Neal '12 B.A. competed successfully in the William Randolph Hearst Foundation's Journalism Awards Program, winning a \$1,500 award as a finalist in the national television broadcast news championship and a \$1,000 award for best use of television for news coverage.

Weston Phippen '12 B.A. received third place and a \$3,000 award in the national writing championship category of the William Randolph Hearst Foundation's Journalism Awards Program.

Cory Schneider '12 B.I.S. and Barry Schneider '06 B.F.A. recently announced commercial development of Face Craze!, a new application that utilizes advanced face morphing technology to allow users to see themselves as a different person. The brothers also have initiated a startup application development firm, CJE APPS, that is based in San Francisco.

Emily Dalton Smith '12 M.A., a program officer at the Bill & Melinda Gates Foundation, identifies technologies such as gaming that can be applied in an educational setting to support and assess student learning.

Patrick Carroll '12 B.A. is an assistant to the writing team behind the films "Friends With Benefits" and "Think Like a Man."

Clayton Porter '12 B.A. accepted a full-time position as production assistant on "The Daily Show."

Hillary Bach '11 B.A., former Sun Devil softball student-athlete, was recognized as the Pac-12 Conference Woman of the Year. She is the first

ASU student-athlete to earn this award. During her undergraduate career at ASU, Bach earned Academic All-American status, was a three-time Pac-12 Pitcher of the Week, and was named First Team Pac-12 All-Academic three times.

◆ **James Hardina '11 B.L.S.**, formerly commander of patrol operations with the ASU Police Department, was recently promoted to assistant chief.

Jordan Brown '11 B.A. announced the release of her first self-improvement book for teenage girls, "The Girl's Guide to Loving Life," that focuses on having a positive attitude, loving yourself, achieving your dreams, overcoming obstacles and creating a legacy.

Linda Gao '11 M.Acc. joined the accounting department of Koh Young America after completing an internship at McKinsey & Company.

Shirley Jean Johnson '11 D.B.H. accepted a position with St. Luke's Behavioral Health's Momentum program, a partial-hospitalization program that serves people who have mental illness.

◆ **Jeremy Shirley '11 B.S.E.** was selected by Barrow Neurological Institute to tell his medical recovery story on a new website, Barrow50.org. While an undergraduate at ASU, Shirley developed a large brain tumor that required three complex brain surgeries to remove. Shirley recovered, graduated and now works as an engineer for the Indian Health Service.

Tom Smith '11 B.A. and Kyle Merritt '10 B.A. opened Hops on Birch, a new craft beer bar in Flagstaff, Ariz., in June.

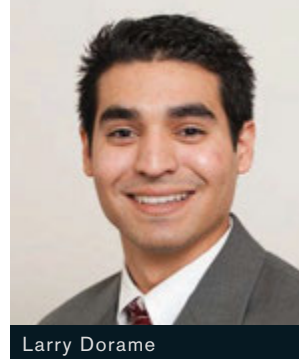
Nico Coney '10 B.I.S. earned an M.B.A. degree from San Diego State University in 2012.

◆ **Larry A. Dorame '10 B.S.** accepted a position as gifts director with Bourgade Catholic High School in Phoenix.

Emily Knowles '10 M.M. was selected by the Great Falls Symphony (Mont.) as a core player for their Cascade Quartet's 2012-2013 season. She will perform also with the symphony orchestra and lead teaching sessions with music students across the region.

◆ **Andy Yates '10 M.B.A.** was promoted to Afghanistan country director for the International Republication Institute and works with Afghan civil society organizations in a joint effort to advance the rights of youth, women and ethnic minority groups throughout the country.

Ian Zymarakis '10 B.A. accepted a position as social media administrator for Shell Vacations Hospitality.



Larry Dorame

2000s

Clare E. Moussallem Ballard '08 B.A. announced the release of her nonfiction book with Virginia Ballard, "The Gems of Ginny: Memoirs of an Early Arizona Family," by Tate Publishing in July.

◆ **Kyle Sanders '08 M.B.A.** has accepted a position as president of St. Vincent's Southside in Amarillo, Texas.

Jacob Gottlieb '08 B.S. and Jason Hung '07 B.S. launched a new company, Levion, that released a free, browser-based app that allows users to interact with the popular QuickBooks accounting software remotely or from multiple devices.

Matthew Parker '07 B.A. announced the release of his fully illustrated graphic memoir, "Larceny in My Blood: A Memoir of Heroin, Handcuffs, and Higher Education," by Penguin/Gotham.

Victor Sampson '07 Ph.D., a faculty associate with the Learning Systems Institute's Florida Center for Research in Science, Technology, Engineering and Mathematics, received the 2012 Early Career Research Award from the National Association for Research in Science Teaching. The award recognizes the researcher who within five years of completing the doctorate degree demonstrates the greatest potential for contributions to research in science education.

Vairavan Subramanian '07 M.S.E. accepted a position as senior consultant with PRÉ (Product Ecology), a Netherlands-based consultancy that supplies sustainability metrics. Subramanian will be located in Washington, D.C., and assist the company's expansion into North America.

Zachary Waggoner '07 Ph.D. was appointed director of writing at Stanford University's Program for Writing and Rhetoric.

Angelica Vilaverde '07 B.S., '09 M.A.S. was one of 11 professionals from Head Start programs across the United States honored as Champions of Change at the White House on June 18.

◆ **Chris Krygier '06 B.S., '10 M.B.A.** was named rates and regulation manager for Liberty Utilities. He oversees the regulatory affairs for the Arizona, Texas and Missouri divisions of the organization.



Courtney Klein Johnson



Jennifer Holsman Tetreault

Matthew Gavin Frank '06 M.F.A., creative writing instructor at Grand Valley State University in Michigan, published the memoir "Pot Farm" recently and gave a reading at Arcadia University in August.

◆ **Courtney Klein Johnson '05 B.I.S., '10 M.N.P.S.** has launched with co-founder Chris Petroff a nonprofit organization, SEEDspot, that will mentor and assist startup businesses that strive to create a positive impact.

Britany Simon '05 B.I.S. is a designer and account executive at a home building retailer and a photographer and home stager for her own design firm. She competed recently on HGTV's "Design Star" to earn an online show based on fan votes.

Timothy Glotch '04 Ph.D., associate professor in the Department of Geosciences at Stony Brook University, was selected to receive the National Science Foundation's Faculty Early Career Development Program award for his research, which uses infrared spectrometers on orbiting spacecraft to investigate the mineral composition of planetary bodies.

David Pye '04 B.A., '12 M.B.A. announced the development of a new venture, Locality, that will launch an online community for Phoenix area residents age 50 and over. The launch was preceded by a naming contest for the online service.

◆ **Jill Schiefelbein '04 B.A., '06 M.A.** received the 2012 Rookie of the Year award from the Gilbert Chamber of Commerce at their sixth annual awards event last June. Schiefelbein's new business, Impromptu Guru, helps people learn to communicate in ways that range from traditional public speaking to navigation of the virtual landscape. The award recognizes a chamber member who celebrated their one-year anniversary of their business within the year, experienced a year of sales and market growth, met first year goals, and provides a unique service or product.

Zivile Katiliene '04 Ph.D. was appointed director of regulatory affairs and clinical operations for

Immunovative, Inc., an Israeli biopharmaceutical company. She will be responsible for assuring compliance with FDA regulations, as well as the development of global clinical research operations.

Jeff Pappas '03 Ph.D., formerly historian and lead ranger at Yosemite National Park, was named director of New Mexico's Historic Preservation Division.

Scott Johnson '02 Ph.D., formerly lecturer and employer liaison for the business school at the University of Greenwich in London, accepted a position as director of the business and accounting program at the College of Idaho.

Lisa Cole-Jones '02 B.S. is the fund development program manager for external relations with National Conflict Resolution Center in San Diego, which recently has launched a campus civility initiative to promote conflict resolution skills for tomorrow's leaders.

Sean Nevin '02 M.F.A., poet and former assistant director of ASU's Virginia G. Piper Center for Creative Writing, accepted an appointment at Drew University as director and core faculty member of the Master of Fine Arts in Poetry and Poetry in Translation program.

Joel Wage '02 M.B.A. was promoted to senior project manager, construction, with Ryan Companies U.S., Inc. He will oversee all aspects of project completion.

Lynsey Whareham '02 B.A. joined CorSource Technology Group as a recruiting specialist charged with sourcing and attracting qualified, diverse candidates to meet the specialized technical staffing needs across CorSource client organizations throughout the Northwest.

Burke Lokey '01 B.Mus. is orchestra director at St. Joseph High School in St. Joseph, Mich., and traveled recently to Atlanta with the school's chamber orchestra to compete in the National Orchestra Festival. The ensemble placed third in the competition.

Trudes Rodriguez '01 B.S., a registered dietitian for the Maricopa County Department of Public Health and coordinator for the WIC Dietetic Internship, was recognized as the Young Dietitian of the Year at the annual meeting of the Arizona Academy of Nutrition and Dietetics Central District in June.

Scott Somers '01 B.S.W., formerly city manager of Reedsport, Ore., accepted the position of county manager for Clatsop County, Ore.

David Stutz '01 B.I.S. and Michael Palatnek '99 B.A., co-founders of C2C Outdoor in 2007, announced that the company was ranked 14th on Crain's New York Business' inaugural Fast 50 list. The out-of-home (OOH) agency provides strategy negotiation and activation of clients' OOH campaigns and represents clients in the fashion, apparel, technology, TV, liquor and education sectors.

Erin Sweeney '01 B.A., an attorney with Fisher & Phillips LLP, was selected for inclusion in the 2012 listing of Oregon Rising Stars, a distinction reserved for only five percent of the lawyers in the state. Her practice focuses on employment and labor law.

Laura L. Bush '00 Ph.D. launched a new business, Peacock Proud, LLC, that offers professional writing, editing and marketing communications for business, nonprofit or personal needs. The organization also offers instructional design and curriculum development services for professional development or training purposes.

Brenda Eden '00 B.F.A., photographer and mapmaker for the city of Phoenix's Street Transportation Department, was recognized by Phoenix New Times on their list of 100 Creatives, which profiled 100 people who are considered creative forces in the Valley.

Jennifer Holsman Tetreault '00 B.S., executive director of operations for the ASU Alumni Association from July 2007 to September 2012, recently accepted a position with Rural Metro's corporate legal counsel staff. She will remain in the southwestern U.S. and will focus on mergers and acquisitions, human resources, and contracts.

Tayari Jones '00 M.F.A. received the Lifetime Achievement Award in the Fine Arts from the Congressional Black Caucus Foundation, Inc. in recognition of her contributions to literature. The award was presented Sept. 19 at the 16th annual Celebration of Leadership in Fine Arts in Washington, D.C.

Nancy Kelley '00 B.S. was promoted to assistant controller at Kitchell and will oversee risk management, accounts payable, cash flow management and financial/tax reporting for the organization.

Craig Savage '00 B.A. is a U.S. press officer with BP America.

If the **Sun Devil** in your life meets any of these qualifications...

- ❑ They legally changed their name to Sparky.
- ❑ They use a pitchfork in place of a salad fork.
- ❑ No matter the situation, they finish every sentence with, "Go Devils."

it's definitely time to go shopping, **ASU style!**



Alumni Membership

The gift of membership in the Alumni Association is one of those gifts that just keeps on giving! Great gift...meet even better value.

License Plate

Brighten up the bumper of that special someone and give the ultimate display in Sun Devil pride with a Sparky plate!

Commemorative Brick or Plaque

Take a pass on giving the gift of a holiday fruitcake this year. Instead, say it with an engraved brick paver or commemorative plaque—ever present on the terrace of ASU's Old Main. Take advantage of special savings on brick pavers through Dec. 31.

Sun Devil Generations Membership

It's never too early to get your miniature Sun Devil indoctrinated into all things ASU.

Graduation Trip

Send that senior in your life packin'. ASU grads will embark on a European Discovery with their fellow Sun Devils—starting in London and ending in Paris. Vive la fun!

Travel with ASU

Ho ho ho...who WOULDN'T go?! One of the most popular benefits of membership in the ASU Alumni Association is its travel program, ASU Travel & Tours.

This holiday, go Sun Devil shopping!

1990s

Tom Chee '99 B.A. is senior manager of product marketing at CBSSports.com College Network.

Kristin Johnson '99 B.A. is business development coordinator with the Chicago Transit Authority.

Lori Haro Lauersdorf '99 B.A. is implementation manager with Wells Fargo Technology Infrastructure.

Louis Scichilone '99 B.S. was promoted to commander for the Polytechnic campus with the ASU Police Department.

Susan Harden '98 M.E.P., vice president of planning for RBF Consulting, accepted an appointment to the California Planning Roundtable, which provides a forum for prominent planning professionals to expand understandings of the state's critical public policy issues and to recommend action as a result of those understandings.

Christina Hundley '98 B.A. is assistant athletic director for Paradise Valley Community College in the Phoenix area.

Julie Maurer '98 M.P.A., an associate in the Phoenix office of Snell & Wilmer LLP, was appointed to the board of Arizona Women's Education and Employment, Inc., an organization that supports economic success.

Todd Salnas '98 M.B.A., '98 M.H.S.A. was promoted to president for St. Joseph Health in Sonoma County, Calif.

Aqeel Shahid '98 B.S., Telesphere's general manager for Arizona, joined the board of directors of the Tempe Chamber of Commerce.

Victoria L. Burke '97 B.A. graduated from Southwestern Law School in Los Angeles on May 15, 2011, and passed the California Bar Exam in July of that year. She is a member of the executive committee of the Beverly Hills Bar Association (BHBA) IP/Internet & New Media Section and contributes legal articles to the BHBA IP & New Media Blog.

◆ **Paul Corens '97 B.S.** received a Flinn-Brown Fellowship with the Civic Leadership Academy. As a fellow he will study the critical operational and political concerns of elected and executive branch government and explore drivers of policy change for regional, state and local issues related to Indian affairs, land use, infrastructure, natural resources, and water and electrical utilities.

◆ **David Lodwick '97 B.S.** was appointed chief financial officer of Alliance Residential's southwest region. He is responsible for identifying and



Sheldon Blumling

managing joint-venture equity and debt financing throughout the Southwest.

◆ **Sean Pate '97 B.S.** is the United States public relations director for Ancestry.com.

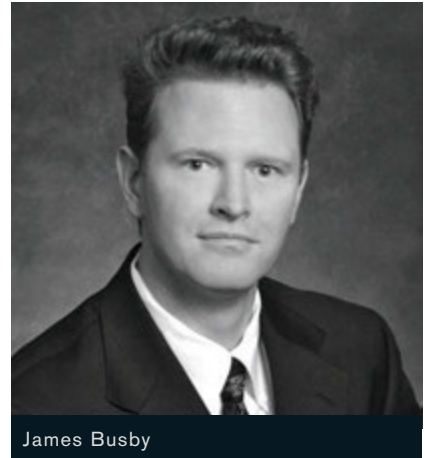
Kevin Quashie '97 M.A., '00 Ph.D. announced the release of his new book, "The Sovereignty of Quiet," by Rutgers University Press.

Jason Verdugo '97 B.A., a former student-athlete standout in Sun Devil football and baseball, was promoted to director of athletics at Hamline University and will continue for an 11th season as head coach of that university's baseball team.

Katie "Kat" Ackerman Buchanan '96 B.A., senior vice president of programming and acquisitions for the NBCU-owned Style Network, won a Daytime Emmy for the documentary, "Style Exposed: Baring It All," that tells the story of four women who are each in different stages of breast cancer. In 2011, she produced "Too Fat for 15: Fighting Back" that was nominated for a Daytime Emmy in the Special Class Series category.

Jeff Guldner '96 J.D. was promoted to senior vice president of customers and regulation with Arizona Public Service. He will oversee the customer service function of the utility, as well as its interactions with the Arizona Corporation Commission and the Federal Energy Regulatory Commission.

Kim (Schouten) Williams '96 B.A., a sixth grade teacher in the Sacramento City Unified School District, was one of two teachers nationwide selected by the U.S. Green Building Council as representatives on a two-week expedition to Antarctica with polar explorer Robert Swan. Teachers were selected for their efforts to make their classrooms healthy, supportive places to teach students about environmental and civic responsibility. Motivated by this experience, Williams



James Busby

participated in the school district's Project Green contest. Her class was awarded first place and \$550,000 to support green renovations at their school.

Ron D. Phares '96 B.A. is the new minister at Mountain Vista Universalist Congregation in Tucson, Ariz.

Jeff Billingsley '95 B.S., formerly with MillerCoors in Chicago, joined Deschutes Brewery in Bend, Ore., as marketing director.

Jason Latella '95 B.A. was promoted to sergeant for patrol operations with the ASU Police Department.

◆ **Sheldon Blumling '95 B.S.**, a partner with Fisher & Phillips LLP in Irvine, Calif., was recognized as a top attorney in Chambers USA: America's Leading Lawyers for Business 2012 for his focus area in employee benefits and executive compensation.

Julie Reuvers Christensen '95 B.A. is assistant director for University of Minnesota's news service, University Relations.

Tim McDermott '95 B.A.E. accepted a position as principal of H.C. Storm Elementary School in Batavia, Ill., effective July 1.

Ryan C. Curtis '94 B.A. joined Brownstein Hyatt Farber Schreck, a Las Vegas law firm, as an associate. His practice focuses on employee benefits plans, including Employee Retirement Income Security Act compliance, plan mergers, IRS and Department of Labor audit defense, and withdrawal liability collection.

James G. Busby, Jr. '94 M.B.A., '95 J.D., a CPA and state and local tax attorney with Gallagher & Kennedy in Phoenix, was named chair of the Tax Section of the State Bar of Arizona for fiscal year 2012-13. In addition, he addressed several

audiences on the subject of Arizona tax issues during the month of June and participated in a live televised roundtable for the Horizon program on KAET/EIGHT on June 11.

◆ **Jennifer Anderson '93 B.S., '99 M.S.** was named business banking manager for Arizona at Wells Fargo in Phoenix. She will lead a team of business banking professionals who serve small and mid-sized businesses throughout Arizona.

◆ **Charles (Spike) Lawrence '93 B.A.**, co-founder of Tempe-based Lawrence & Geysler Development, was appointed president of the Chandler Economic Development Advisory Board.

Mark Quintanilla '93 Ph.D., a faculty member at Hannibal-LaGrange University, received a Fulbright Research & Teaching Fellowship for the 2012-13 academic year. He is the first faculty member at his institution to receive a Fulbright Fellowship and the first Fulbright scholar to be hosted by the Caribbean nations of St. Vincent and the Grenadines and Dominica. Quintanilla will serve as an educational consultant and pursue two research topics during the year.

Teryl Sands-Herz '92 B.F.A., '97 M.T.E.S.L., '05 Ph.D. has accepted a full-time position as professor at Mesa Community College.

◆ **Stephanie deLusé '91 B.S., '95 M.A., '99 Ph.D.**, a faculty fellow in Barrett, The Honors College, is co-author of a new book, "Arizona State University," which uses more than 200 vintage photographs to tell the history of the university. The work was released recently by Arcadia Publishing Company.

Joyce Anne Ware Longfellow '91 B.A., '91 B.A., '94 M.S. released her first book, "I Could Never Say Goodbye—A Daughter's Journey to the End of Life with Dad & Mom," in which she explores ways of coping with the illness and death of loved ones.

Lena T. Rodriguez '90 B.S., '93 M.P.A., formerly chief marketing/development officer with the Urban Entrepreneur Partnership of the Kauffman Foundation, was appointed vice president and dean of the School of Professional and Graduate Studies at Baker University in Baldwin City, Kan.

Bruce K. Behn '90 M.B.A., '94 Ph.D., the Ergen Professor of Business and Center for Business & Economic Research faculty fellow at The University of Tennessee, was named Business Professional of the Year by Beta Alpha Psi. The award is sponsored by the Institute of Management Accountants, Inc. and recognizes individuals who make a significant contribution to the business information professions in the areas of academia, business and government.

◆ Active, dues-paying member of the ASU Alumni Association



Fearless at the frontier

Cheryl Shavers '76 B.S., 81 Ph.D.

Cheryl Shavers says she believes that each person has one word that describes them. Her word, she says, is "fearless."

In 1999 she was director of emerging technologies at Intel in Silicon Valley, her dream job. She got a call asking her if she might be interested in going to Washington, D.C., to become an undersecretary for technology within the U.S. Department of Commerce. During that conversation she heard her "comfortable self" thinking "I am not going to leave," but what she said at the end of the call was: "It sounds like a great opportunity."

She added, "Going to Washington was a life changer. The job was to set policies that impact everyone." She worked on encryption standards and digital signatures that have enabled web commerce and electronic contracts.

Shavers' successes serve to highlight how far she has come in her life. She grew up with her sister and mother in a south Phoenix duplex. Her mother was a maid who hoped Cheryl would go to high school and graduate without becoming pregnant. When Cheryl was 13, she peeked out their window to see the body of the young prostitute who lived next door being carted away.

She decided then she wanted a good life. She was a star in science and chemistry at South Mountain High School and received a scholarship to Mesa Community College, then made the jump to ASU. She worked nights at a data processing center to pay for her tuition.

By 1981, she was a graduate student in solid-state chemistry at ASU. She attended a chemistry conference in Wickenburg and found herself assigned to assist an attending chemistry superstar, Linus Pauling, a two-time Nobel Laureate often called the father of molecular biology.

"It was a 'Driving Miss Daisy' sort of deal, to cart him around," she says. But he wanted to know what she was up to. "He went over some of my work and it all became real. I was this poor black kid and I was thinking, man, what are the odds I'd be talking to a Nobel Laureate about my work? Without ASU, that just wouldn't have happened. I have met kings and presidents since, but nothing stands out like that moment."

Shavers is now CEO of Global Smarts, a consulting firm that helps companies around the world create technology roadmaps and strategies. She lives in Santa Clara, Calif., with her husband, daughter and twin sons. Her mother, Erna Mae Caldwell, decided her daughter was a success when she saw her featured in Ebony magazine. For Shavers, that moment came when she was inducted into ASU's College of Liberal Arts and Sciences Hall of Fame in 1997.

In her rare spare time, she's penning her story.

"We all start out as penny stock," she says. The rest is up to us.

By Maureen West, a freelance writer based in Phoenix.



Vincent Sheridan

1980s

Mike Huston '89 B.S. was promoted to executive vice president and chief banking officer at First Interstate Bank in Billings, Mont.

◆ **Kristin Currey '88 B.S.** was named director of business development/West region with Document Technologies Inc.

Troy Hutchings '88 M.Ed. accepted an appointment as research chair for education in the University of Phoenix's College of Education and its School of Advanced Studies.

Dan Leff '88 B.S., formerly a partner for L Star, accepted an appointment on the acquisitions and development team with the Preiss Company, a privately held owner and operator of student housing.

Shawn Dewane '88 B.S., owner of Dewane Investment Strategies, was named second vice president of the Orange County (Calif.) Water District Board for the remainder of the 2012 term. Dewane was elected to the board in 2010 and serves as adjunct faculty at Pepperdine University.

Gina DePinto '87 B.A. is principal communications specialist for the Orange County Water District and supports the director of public affairs by managing public and media relations efforts, as well as community outreach programs. Prior to joining the water district, DePinto managed her own firm, Bylines Public Relations and Marketing.

Renee Borsack '87 B.S., director of sponsorships and events for Experian Consumer Services, leads broad-scale, direct-to-consumer marketing campaigns for leading national consumer brands. She also owns, with her husband and two daughters, an award-winning winery, B Cellars/Napa Valley Blends. The family lives in Southern California.

◆ Active, dues-paying member of the ASU Alumni Association



Bill Hardy

John Regoli '87 B.A. is a manager with Actelion Pharmaceuticals.

◆ **Robert Blumenfeld '86 B.S.** was appointed chief financial officer for The Children's Center of Wayne County (Mich.) and will oversee the agency's multi-million dollar budget and the information technology plan.

Michael J. Colburn '86 B.Mus., director of the U.S. Marine Band, conducted a concert at the SUNY-Postdam Crane School of Music and received an honorary lifetime membership from the university's alumni association in July.

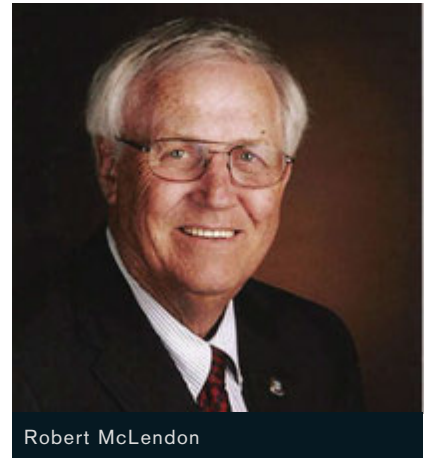
James C. Fish, Jr. '86 B.S. was promoted to executive vice president and chief financial officer with Waste Management, Inc.

◆ **Tom Awai '85 B.S.D., '93 M.E.P.** joined Southwest Center for HIV/AIDS as director of community center outreach. He will oversee facility design, construction, marketing and community outreach in preparation for the grand opening of The Parsons Foundation Center for Community Health and Education in early 2013.

Barry Hibbs '85 B.S., professor of geological sciences at California State University-Los Angeles, was elected as a Fellow of the Geological Society of America in recognition of his contributions to groundwater flow analysis, water quality studies, and the documentation of surface/groundwater interactions, and the management implications of his studies along the border. He is also credited with mentoring graduate students and sponsoring publications of their research.

Sue Tumay '85 B.S. joined the legal team for Breakwater Equity Partners in San Diego as bankruptcy case manager.

Michelle C. Lue Sang '85 J.D., a judge with the Mesa Municipal Court, received the Civil Justice



Robert McLendon

Leader Award from the George Washington Carver Museum and Cultural Center in recognition of her efforts on behalf of youth and people in need.

◆ **Monica A. Limón-Wynn '84 B.S., '98 J.D.,** formerly an attorney with Snell & Wilmer law firm, announced the opening of a private law practice, Monica Limón-Wynn PLLC, for which she serves as managing partner. She will continue to practice in the areas of commercial litigation and contract issues.

Richard Wanninger '84 B.S. was promoted to senior associate executive director of the Patriot League, an NCAA Division I athletic conference based in Pennsylvania. His responsibilities include oversight of the league's men's basketball championship, television and broadband packages, marketing and sponsorship initiatives, overall promotions, football and basketball officiating, and scheduling strategies for various sports.

◆ **Bill Hardy '83 B.S.** was promoted to director of contracts for PricewaterhouseCoopers LLP in McLean, Va.

James H. Hinton '83 M.H.S.A., president and CEO of Presbyterian Healthcare Services, was elected chair-elect designate of the American Hospital Association's Board of Trustees.

Kay (Patterson) Roberts '83 B.A.E.S.E., senior paralegal for the personal injury practice of David V. Stiles, managing partner of Chain Cohn Stiles in Bakersfield, Calif., was named Kern County's 2012 Paralegal of the Year by the Kern County Paralegal Association.

◆ **Vince Ferraro '82 M.B.A.,** general management executive and vice president of global strategy and marketing for Kodak's Consumer Digital Group and Corporate Marketing, joined several business leaders and authors to publish "In It To Win It: The World's Leading Experts Reveal Their Top Strategies for Winning in Business and in Life!"

◆ **Connie (Travis) Voight '80 B.A.** was recognized as Troupe Director of the Year by the Alabama Educational Theatre Association following nomination by her student. Voight serves currently as the Alabama Chapter Director of the Educational Theatre Association and is theatre director at Randolph School in Huntsville, Ala.

1970s

Randy Clawson '78 B.S., customer-project manager and consultant at APS, was elected as vice president of the Chandler Economic Development Advisory Board.

Rhonda Prast '78 B.A., formerly online editor at the Minneapolis Star Tribune, joined the Kansas City Star as assistant managing editor for digital content.

Marty Schupak '77 M.S. recently announced the release of his new book, "Playoff Fever & Split Pants." The work is the latest addition to the Cliff Vermont book series and is available through Amazon.

Camilla Westerberg '77 M.A. received the Arts and Education Award from the George Washington Carver Museum and Cultural Center in recognition of her creativity and inspiration of others.

Jackie Norton '76 J.D., president and CEO of the Rodel Foundation, was selected by the Girl Scouts of Arizona as a 2012 Women & Young Women of Distinction Award honoree and received the Leadership Award during the organization's centennial celebration.

◆ **Rebecca Berch '76 B.S., '79 J.D., '90 M.A.**, chief justice of the Arizona Supreme Court, received the 2012 Sarah Herring Sorin Award from the Arizona Women Lawyers Association on June 22 during the State Bar of Arizona's annual convention. The award recognizes those who demonstrate superior support for and encouragement of the advancement of women in the legal profession.

◆ **Vern M. "Rusty" Findley '76 B.S.** retired last December as a lieutenant general after a 35 year career in the U.S. Air Force. He has opened an independent consulting business in Litchfield Park, Ariz.

Jay M. Goldstone '75 M.P.A., chief operating officer of the City of San Diego and a public member of the Municipal Securities Rulemaking Board (MSRB), will serve as MSRB chair for fiscal year 2013.

Vincent Sheridan '75 Ph.D., principal of Our Lady of Mount Carmel School in Tempe, was appointed to the board of directors for the Catholic Community Foundation of Phoenix.

◆ Active, dues-paying member of the ASU Alumni Association



Crowning glory Eddie Le Vian '79 B.S.

When Eddie Le Vian says his family's business has deep historical roots, he's not kidding. Those roots run so deep that they might just intersect with the mines that quarry the precious stones that the company uses to create amazing pieces of fine jewelry.

Le Vian says the pedigree of the company originated in 16th century Persia. His ancestors received the patronage of King Nadir Shah, founder of the Afsharid Dynasty who carved out an impressive empire.

"We began making jewelry for royalty in the 1700s," he said. "Based on our extensive knowledge of jewels combined with our sterling reputation, the emperor chose my ancestors to care for the priceless treasures that he plundered from India in 1746." One of these extraordinary pilfered treasures is the Koh-i-Noor diamond, which eventually became part of the crown of Queen Elizabeth II of Great Britain.

More than 200 years later and several continents away, Le Vian descendants are still making jewelry for "royalty," this time in the form of celebrities such as Jennifer Lopez, Katy Perry and Jada Pinkett Smith, who have been spotted wearing Le Vian designs at Hollywood events.

The company has even retained its mastery of crownmaking, having created the Fiesta Bowl Tiara in 1985.

"This tiara is the first to have been created for a parade in U.S. history," Le Vian said. "As an ASU alumnus, I was especially excited to have been involved with the project."

Le Vian, who is both CEO and a designer for the company, is very enthusiastic about the education that he received at ASU.

"The business school taught me how to transform a small, ancient family business into a major corporation," he said. "The invaluable marketing and management skills I learned back in the 1970s have played a significant role in building one of the world's most desired fine jewelry brands."

The Le Vian company currently holds the copyright to 200,000 designs for five separate jewelry lines, and is responsible for introducing the Chocolate Diamonds® that revolutionized the industry. The company also publishes a much-anticipated annual trend forecast for the fine jewelry world. It appears that this jewelry company will be making history for many, many years to come.

By Oriana Parker, a Scottsdale-based arts writer.

Randall (Randy) Talbot '75 B.S., managing director of Talbot Financial, LLC in Seattle, was appointed to the board of directors for Washington Federal, Inc.

Bob Naiman '74 Ph.D., professor at the University of Washington and a UNESCO Chair in Sustainable Rivers, received the Eminent Ecologist Award, the highest recognition given by the Ecological Society of America. The award is presented to a senior ecologist who has produced an outstanding body of ecological work.

Gene Giddings '73 B.A.E., retired teacher, coach and principal, announced the release of his new book (with co-author Copper Stoll), "Reawakening the Learner," by Roman and Littlefield in May 2012.

Anna Solley '72 B.A.E., '72 M.A.E., '87 Ed.D., president of Phoenix College, was selected as a 2012 Women & Young Women of Distinction Award honoree and received the Visionary Award during the organization's centennial celebration.

Marci Donaho '71 B.A.E. of Seminole, Okla., is the executive director of Jasmine Moran Children's Museum. She worked previously as a teacher.

George Kostopoulos '71 M.S.E., '71 Ph.D. announced the release of his book, "Cyberspace and Cybersecurity," by CRC Press.

Mary Anne McCrear '71 B.S.N., '94 M.S., formerly chief nursing officer (CNO) at Creighton University Medical Center in Omaha, accepted a position as CNO at Desert Regional Medical Center in Palm Springs, Calif.

1960s

Lance Renfrow '66 B.S.E. revisited a scene from his youth when he attended the Tommy Bartlett show over the Fourth of July weekend in Wisconsin Dells, Wis. When he was 16, Renfrow was hired as the youngest water skier in this annual event on Lake Delton. Following his days in the show, Renfrow graduated from ASU and helped develop the first knee brace.

Everett E. Murdock '65 B.S., emeritus professor at California State University-Long Beach, announced the publication of his most recent book, "Obama Will Win, but Romney Will Be President: How Political Parties Target Electoral College Votes to Win Presidential Elections." Murdock's career also includes teaching appointments at the University of

Utah and the University of California-Los Angeles, and publications to guide computer use. As an emeritus professor, he remains engaged in teaching, writing and other professional activities in addition to training for the USA Track & Field masters championships. He is currently the U.S. steeplechase champion for his age group.

Peterson Zah '63 B.A.E., special advisor to ASU presidents Lattie Coor and Michael Crow, is the subject of a new book, "We Will Secure Our Future: Empowering the Navajo Nation." The biography is written in collaboration with Peter Iverson, an emeritus Regents' Professor of history, and published by the University of Arizona Press.

♦ **Harry Mitchell '62 B.A.**, former U.S. Congressman and Tempe mayor, is the 2012 recipient of the 29th annual Don Carlos Humanitarian Award in recognition of his four decades of public service that includes teaching at Tempe High School, the redevelopment and transformation of downtown Tempe and his support of veterans.

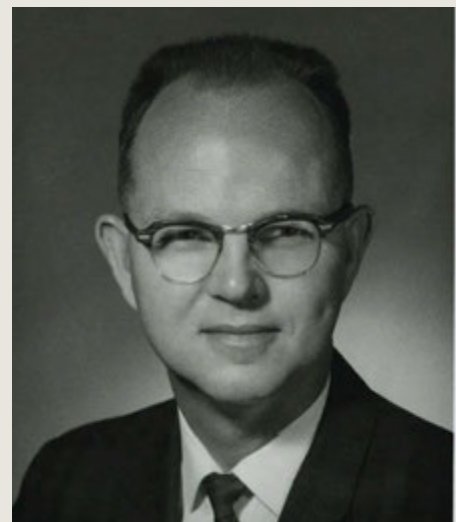
♦ **Gary Tooker '62 B.S.E.**, was honored on Nov. 8 with the OneNeck IT Services People's Choice Lifetime Achievement Award at the Governor's Celebration of Innovation. The award is given annually to someone in the state's technology sector who has spent their lives trying to make the state's industries better.

♦ **Robert McLendon '61 B.A.E., '69 M.A.E.**, a recently retired member of the Arizona Board of Regents, was inducted into the Yuma High School Hall of Fame in recognition of his years of service.

Royce Youree '60 B.A.E., '63 M.A.E., ASU's 2009 inductee into the Pac-10 Hall of Honor, was inducted into the National High School Athletic Coaches Association Hall of Fame on July 24, 2012, in Fargo, N.D. Youree coached boys' basketball at Phoenix East High School for nearly 30 years. As an undergraduate at ASU, he was a three-year starter on the basketball team and the first player in school history to surpass 1,000 points.

1950s

Coy Payne '59 B.A.E., '73 M.A.E., a former mayor of Chandler, received from the George Washington Carver Museum and Cultural Center a Carver Center Honors Lifetime Achievement Award for his work in civil justice.



Part of history

Dean Ellis Smith '47 B.S., '71 M.B.A. 1923-2012

Dean Ellis Smith, the prolific author of more than 20 books, many of them specialized histories of Arizona, died July 7.

From the autumn day in 1940 when he arrived as a freshman on the campus of Arizona State College, Smith was an avid student of Arizona history. He was a World War II veteran who earned his degree in business administration in 1947, then spent 10 years as newspaper reporter and sports editor of the Mesa Daily Tribune.

Smith later became director of publications at ASU and earned an MBA. He retired from ASU in 1984, then turned to independently writing 22 books, most of which related to some aspect of Arizona or local Valley history. He also wrote a history column for the business magazine Arizona Trend and authored more than 100 articles in national and regional magazines.

Smith's books included "Tempe: Arizona Crossroads," "The Goldwaters of Arizona," "Arizona Pathways," "The Meteor Crater Story," "Arizona Goes to War," "Arizona Ghost Towns and Mining Camps," "Barry Goldwater: The Biography of a Conservative," and "Brothers Five," a history of the Babbitts of Arizona. His last book was "Arizona Nuggets," published in 2009, a volume in which each page was a separate chapter focused on little-known pieces of Arizona history.

Smith was active in the Arizona Historical Foundation; the Scottsdale Westerners; and the YMCA's Sky-Y Camp. He was an originator of the concept for the Tempe Community Council's coveted Don Carlos Humanitarian Award in 1984.

He is survived by his wife of nearly 44 years, Jean, and four children – son Clark and daughters Kathy Franklin, Karen Behee, and Kelly Brydle – as well as stepsons Bob Britton, Rick Britton, Randy Britton, and Gary Britton.

By Lawn Griffiths, a longtime Valley reporter and editor.

sun devil births



Rhys Victor



Natalie Cora



Zack Harkey



Camilla Jaymes



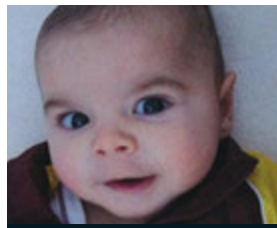
Ella Nicole



Garrett Cole



Sydney Joy



Jackson Sawyer

Rhys Victor Ashley was born to **James W. Ashley '11 Ph.D.** and **Mary Graff Ashley** on June 5, 2012, in Scottsdale, Ariz.

Zack Harkey was born to **Erin Harkey '07 B.I.S.** and **Scott Harkey** on May 28, 2012. The family is at home in Chandler, Ariz.

Ella Nicole Casey was born to ♦ **Sean Casey '03 B.I.S.** and **Jennifer (Voss) Casey '04 B.A.** on May 19, 2012, in Concord, Calif.

Sydney Joy Davis was born to **Lisa Mork Davis '93 B.A.** and **Nathan Davis** on April 6, 2012.

Natalie Cora Ehlen was born to **Timothy Ehlen '04 B.S.** and **Stacia (Kircher) Ehlen '05 B.S.** on Jan. 13, 2012. The family is at home in Prescott, Ariz.

Camilla Jaymes Robles-Tracy was born to **Felicia Robles '05 B.A.E.** and **George Tracy** on Oct. 1, 2011.

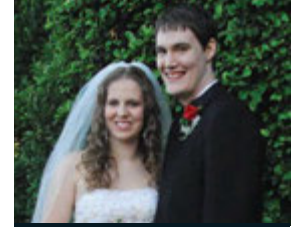
Garrett Cole Martin was born to **Paisley (Wirt) Martin '05 M.Ed.** and **Craig Martin '00 B.A.** on Sept. 9, 2011.

Jackson Sawyer Book was born to **Krystal (White) Book '05 B.S.** and **Michael Book** on July 26, 2011, in Mesa, Ariz.

sun devil marriages



Laura & Chris



Alexander & Audra



Kelsey & Jason



Jessica & Brenton



James & Taylor



Natalya & Sergey



Tushar & Reetika

Laura J. Emmons '04 B.A.E. and **Chris Kramme** were married July 7, 2012, in Chandler, Ariz.

♦ **Kelsey (Masse) Perone '06 B.I.S.** and **Jason Perone '98 B.S.** were married on June 16, 2012, and are at home in the Phoenix area.

♦ **James Reed Davis '08 B.S.** and ♦ **Taylor Kujalowicz '08 B.S.** were married on April 28, 2012, at the Four Seasons Resort in Scottsdale, Ariz.

Tushar Chandra '05 M.S. and **Reetika Saxena** were married in a week-long traditional Indian wedding at Hotel Taj in Lucknow, India, on April 18, 2012. They are at home in Mountain View, Calif.

Alexander Munchbach '10 B.S. and **Audra Hineman '10 B.S.N.** were married on Dec. 23, 2011, in Scottsdale. The couple met while attending a country dancing class in 2009 at ASU.

Jessica Gardner '08 B.S. and **Brenton Palacio '09 B.A.** were married on April 9, 2011, at Encanterra in Queen Creek, Ariz.

Lisa Mork Davis '93 B.A. and **Nathan Davis** were married on Nov. 28, 2009, at Grayhawk Golf Club in Scottsdale, Ariz.

Natalya Shkoda '01 M.M., '06 D.M.A. and **Sergey Smirnov '02 Ph.D.** celebrated their tenth wedding anniversary on July 13, 2012. The couple lives in Chico, Calif., where Natalya is an assistant professor at California State University and Sergey is pursuing an M.B.A. from Walden University.



Building memories

Manzanita Hall, built during a boom period for the university, was completed on Sept. 29, 1967. When the ribbon was cut on the residence hall, it was Tempe's largest building, originally designed as a women-only dormitory for 1,000 ASU students. The iconic structure was designed by the Cartmell and Rossman architectural firm and cost \$3.6 million – ASU's most expensive construction project up until that time.

During 2012, Manzanita Hall, affectionately known as "Manzy" by many of its former denizens, has undergone a comprehensive \$50-million redevelopment. American Campus Communities is creating a new 816-bed facility that will include a fitness center and a basement movie theater, as well as outside volleyball and basketball courts and barbeque areas. Construction is on track to finish in August 2013, and the hall is expected to be open for the Fall 2013 semester.



Editor's Note: Did you live in Manzanita Hall during your time on campus – or spend so much time there that you qualify as an honorary resident? Share your Manzy stories and photographs with us! For more information, visit ASU Magazine online at asumagazine.com, or snap the QR code with your smartphone.

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